

**FLUIDRA**

**POOL & SPA**  
GENERAL CATALOGUE  
**2019**

**ASTRALPOOL** 

Fluidra and Zodiac have closed their merger

# WELCOME TO THE NEW FLUIDRA

Our mission is to be the most customer-focused pool company in the industry.

Our team of product and market experts is now 5,500 people strong, meaning more resources to support innovation in critical areas such as energy-efficiency, electronic pool cleaners and the Internet of things.

We now offer you a wider range of products from the most recognized brands in the sector. Likewise, our logistics network is more extensive, allowing us to provide you with the product that you need, when and where you need it.

We are guided by clear values and come to work every day with a simple and direct mission in mind: To create the perfect pool and wellness experience.



## OUR MISSION

WE CREATE THE PERFECT POOL  
AND WELLNESS EXPERIENCE



### Passion for success

We are committed, accountable and consistent

### Honesty and Trust

We are honest, transparent and accessible

### Customer collaboration

We add value for our users and customers



### Excellence and innovation

We continuously improve and aim to be the best

### Learn and adapt

We are open minded, flexible and positive

### Teamwork

1+1 > 2  
We are humble and inclusive

# KEY FIGURES

5,500

Number of employees

46

Number of countries

136

Number of sales branches

37

Number of production centres

## HIGHLY RECOGNIZED BRANDS



## A GLOBAL POWERHOUSE

North America HQ  
San Diego

Global HQ  
Barcelona



# NEW PRODUCTS 2019



## Colour range of embedded fittings

VERSATILITY AND COLOUR  
FOR YOUR POOL

See page 98



## Victoria Plus Silent Variable Speed

A NEW GENERATION  
OF FILTRATION PUMPS



Fluidra Connect  
compatible

See page 177



## Blue Check

5-IN-1 MAINTENANCE  
TEST STRIPS

See page 211



## Elite Connect

THIS IS THE FUTURE  
OF SALT CHLORINATION



Fluidra Connect  
compatible

See page 221



## Smart Next

DEMAND MORE FROM  
YOUR SALT CHLORINATOR



Fluidra Connect  
compatible

See page 222



## Energy Sel

THE BEST VALUE FOR MONEY  
SALT CHLORINATOR IN THE MARKET



See page 222

# NEW PRODUCTS 2019



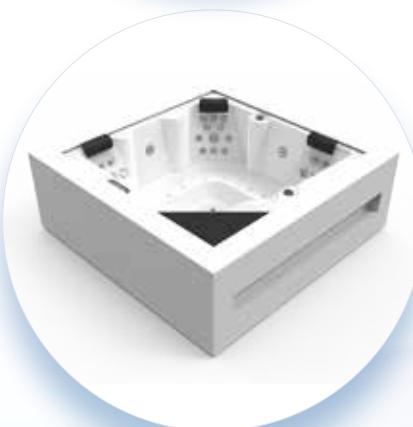
## New range of Flexi LEDs

THE LED SOLUTION THAT ADAPTS  
TO ALL POOL TYPES

See page 264



Fluidra Connect  
compatible



## Pure Ergo

A NEW DESIGNER SPACE  
FOR YOUR HOME

See page 364



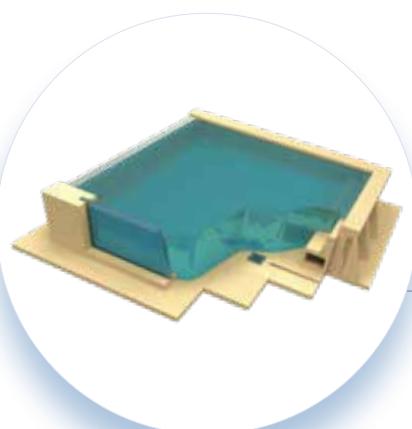
## AstralPool Heat 3

DESIGN AND EFFICIENCY  
FOR HEATING YOUR POOL

See page 389



AstralPool  
Toolbox app for  
iOS and Android



## Prefabricated module

THE SOLUTION FOR UNIQUE POOLS  
OF ANY HEIGHT

See page 460



## Freepool<sup>2</sup>

REVOLUTIONARY POOL WATER TREATMENT  
AND DISINFECTION SYSTEM

See page 517



## Control Connect

THE SMART MULTI-SETTING  
CONTROLLER

See page 533



# OFFICIAL PARTNER

# GET READY FOR 2019

## WHAT IS AN OFFICIAL PARTNER?

All you need to know.

Our **Official Partner** program is an international network of approved retailers authorized to promote and represent the AstralPool brand.

To become an AstralPool **Official Partner** you must have a proven track record in the world of pools backed up by a team of experts with long-standing experience in the sector. **Official Partners** give their customers a unique service and exclusive advice.

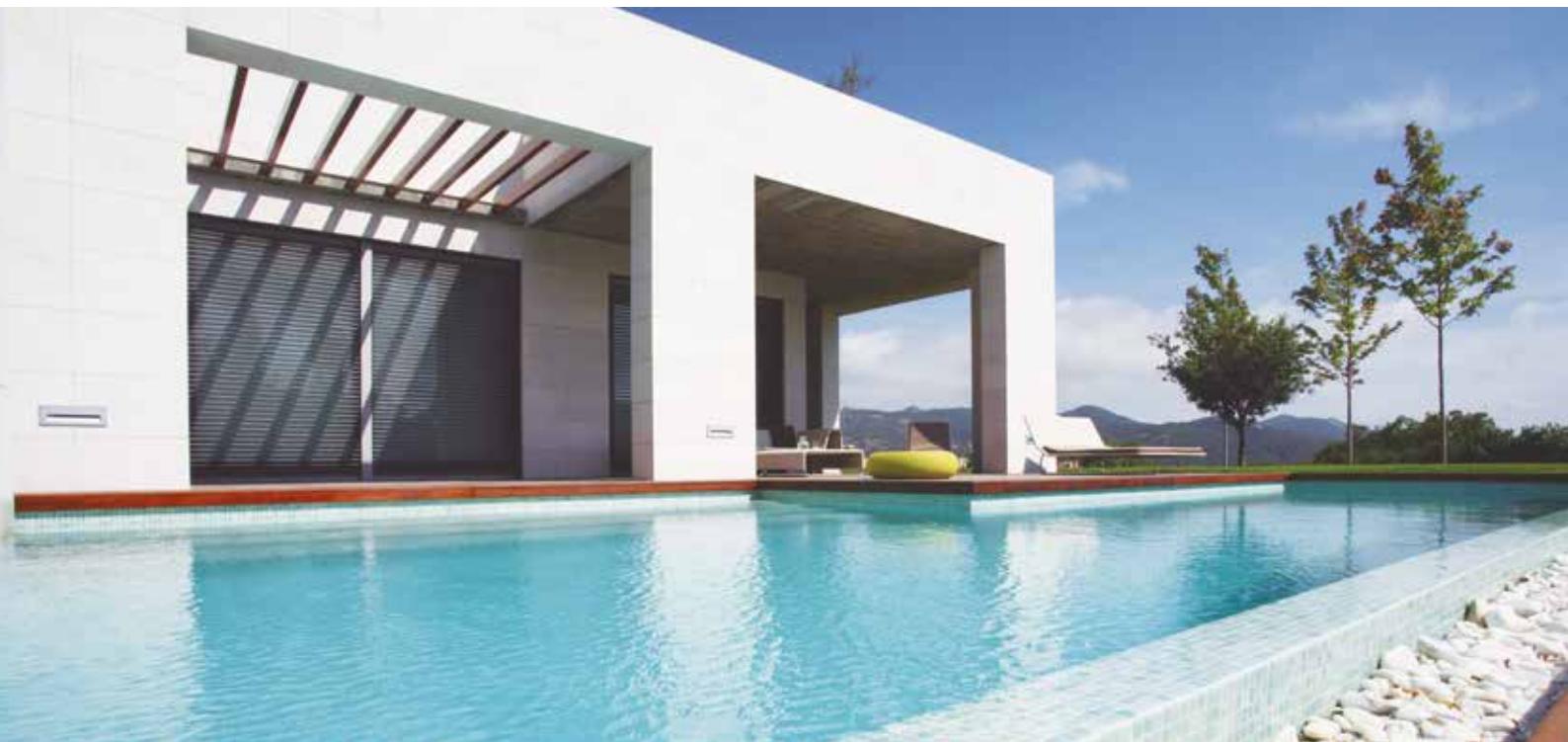
In addition, they are given many exclusive advantages through a range of premium products guaranteed to satisfy customers.



### INTERNATIONAL OUTREACH

.....

Our distributors that have earned the distinction as Official Partners currently operate in 15 countries from over 200 specialist stores.



## ADVANTAGES AND BENEFITS

### Everything you need

Set yourself apart and benefit from all of the advantages of belonging to the  
AstralPool Official Partner Program

#### MORE FOOTFALL IN YOUR ESTABLISHMENT.

-  Exclusive marketing campaigns.
-  Your establishment on our locator.
-  Posts on social media.
-  Exclusive Official Partner brochures.



#### STAND OUT FROM THE REST.

-  Exclusive Space Partner brochures.
-  ProLine range.
-  Exclusive service.
-  Official Partner trips and events.

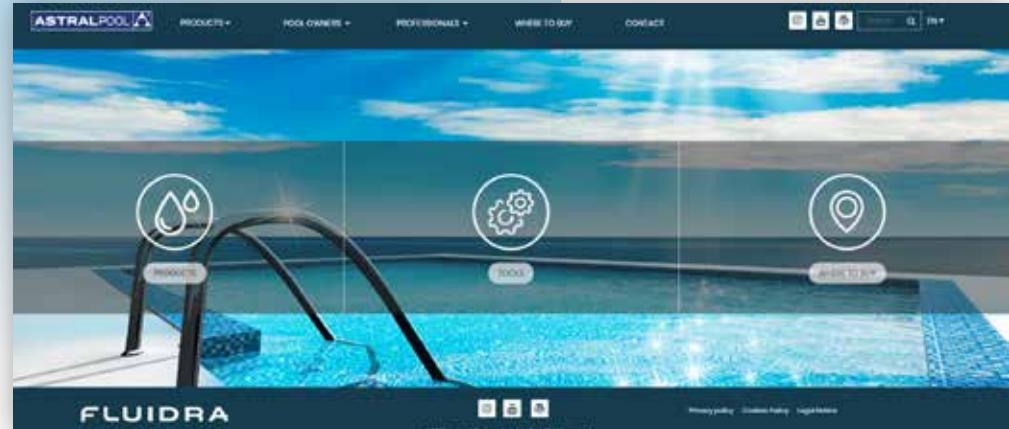


# INFORMATION ABOUT FLUIDRA'S PRODUCTS AT INTERNET

For further information about the range of Fluidra's products, please go to:



[www.astralpool.com](http://www.astralpool.com)



Follow us on:



#Fluidra



Fluidra



Fluidra



@Fluidra



[www.cepex.com](http://www.cepex.com)



The first expert blog on the world of pools



this is your area

dive into ...

**THE COOL POOL**

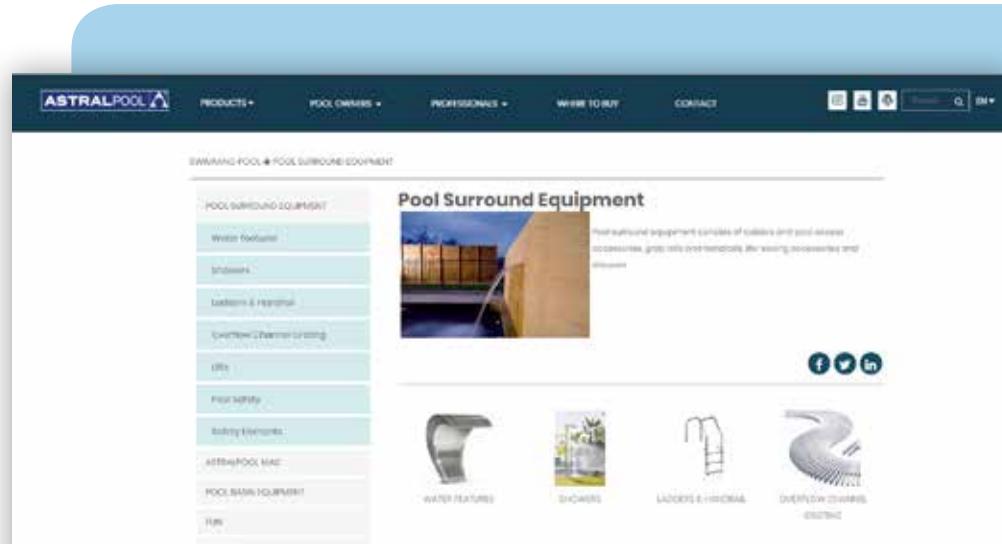
[www.thecoolpool.info](http://www.thecoolpool.info)

All of the information on spare parts that you need

**Spare parts**  
[spareparts.fluidra.com](http://spareparts.fluidra.com)



See information about our articles in the PRODUCTS section on the AstralPool website



The screenshot shows the AstralPool website's products section for "Pool Surround Equipment". The top navigation bar includes links for "PRODUCTS", "POOL OWNERS", "PROFESSIONALS", "WHERE TO BUY", "CONTACT", and social media icons. A sidebar on the left lists categories such as "WATER FEATURES", "SHOWERS", "LADDERS & HANDRAILS", "SWIMMING POOL SCREENING", "CERAMICS", "POOL MATTING", "SWIMMING ELECTRONICS", "ASTRALPOOL MAG.", "POOL BARN EQUIPMENT", and "PUBS". The main content area features a heading "Pool Surround Equipment" with a sub-section "Water Features" showing an image of a modern pool with a waterfall feature.

**Products**  
[www.astralpool.com](http://www.astralpool.com)

# TOOLS

## of the AstralPool website

### Heat pump configurator

AstralPool offers heat pump solutions for every type of pool and geographic location. Use the application to find the model that best suits your pool.

Find this calculation tool at:

[Swimming pool professionals / Calculation tools](#)

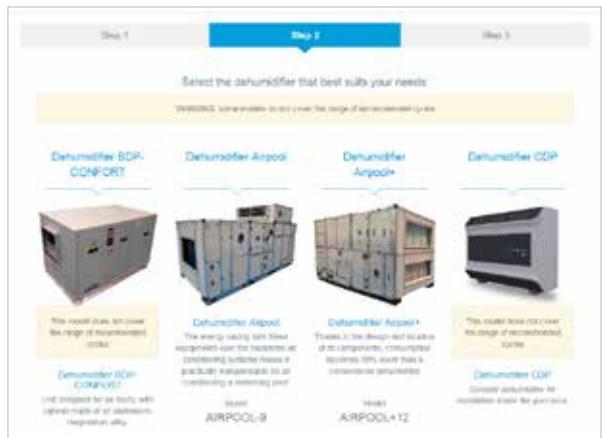


### Dehumidifiers configurator

The configurator helps you select the dehumidifier model that best suits the conditions of your pool. With our wide range of dehumidification solutions you will obtain perfect comfort.

Find this calculation tool at:

[Swimming pool professionals / Calculation tools](#)



### Filter pump energy efficiency calculator

AstralPool's KIVU pumps are the most efficient pumping solution for public pools. Their optimized hydraulics enable very high savings in power and consumption to be made in comparison with other solutions in the market. Using the configurator, you will be able to calculate the amount of money you can save if you have a KIVU pump and to find out how many years it will take to pay it off thanks to the lower consumption.

AstralPool's Victoria Plus Silent VS and VIRON variable speed pumps are the most efficient pumping solution for residential pools. Their speed settings can be adjusted according to the needs of each particular pool and user. By increasing or decreasing the pump's speed, not only will its speed and flow rate be modified but also its power consumption.

The application makes it possible to calculate the annual savings made by installing a variable speed pump in comparison with conventional single speed pumps found on the market.

Find this calculation tool at:

[Swimming pool professionals / Calculation tools](#)



### Fountain configurator

#### Configure your fountain easily and quickly

In just a few steps, you will be able choose the shape of a fountain, the type and number of jets, the height of the fountain, the lighting, etc. What's more, you will be able to see an interactive 3D presentation and place it in its actual location. You can also download the information with all of the products required to help you submit an offer.





All our catalogues and tools on a single app!

Download it now!



NEW UPDATE!

Catalogues and leaflets now **in e-book format** on your **telephone** or **tablet**



## Calculation tools

**Find the best option directly on your mobile**

### Dehumidifier configurator

The configurator will help you select the **model** of dehumidifier that best suits your pool's conditions.

### Kivu energy efficiency calculator

The app makes it possible to calculate the annual savings made by installing a **Kivu** pump.

### Heat pump configurator

**AstralPool** provides you with heat pump solutions for every type of pool wherever it is located.

### Filter pump energy efficiency calculator

The app makes it possible to calculate the annual savings made by installing a **Viron** or **Victoria Plus Silent VS** variable speed pump.



**FLUIDRA**  
PROACADEMY



# Your new training platform

The new training platform for Fluidra distributors.

**Fluidra Pro Academy** is a learning platform designed for you, with all of the expertise and tools that you need to sell our products with confidence and assurance.



It combines **face-to-face and e-learning sessions** for all members of the Fluidra family.



Access **to technical and sales information** about our products is quick and easy.



There are **three different course levels:** basic, medium and expert.



**Exclusive contents** have been designed so that you feel more comfortable when you recommend our products.



You will also be able to get **discounts on the purchase of products, loyalty points, gifts** and much more.

[proacademy.fluidra.com](http://proacademy.fluidra.com)

Come and discover everything we have prepared for you.



## your water mirror



## Dolce Vita

Elegant in design, this system has revolutionized the world of pools. The unbeatable quality rattan and sound technology ensure a long service life.



## PLAYA

An extremely elegant mini-pool that is perfectly suited for terraces and gardens.

Hot water, an air massage and bubble feature, and a space for sunbathing.

Available in Laghetto's colours: white, grey and coffee.



## POP!

The classic above-ground pool has been revamped to bring colour into your garden.

Pop! can be turquoise, white, sand, green or purple. Design adapted to new technology backed by 40 years of experience.

## FLUIDRA

For further information go to: [www.piscinelaghetto.com](http://www.piscinelaghetto.com)



### Thermal cover

- Reduces evaporation by up to 65%.
- Saves 25% of heat energy.

**-65%**



### Electronic pool cleaners

- Saves 20% in water consumption during filter backwash.

**-20%**



### LED lighting

- Reduces electrical energy consumption by up to 92%.

**-92%**



### Variable speed pumps

- Reduces electricity consumption by up to 85%.
- Reduces the sound level by 75%.

**-75%**

**-85%**

Eco H2O Eco Energy Eco Sound



# Our commitment to sustainable pools



## NanoFiber Filter

- Reduces water consumption for filter backwash by 50%.

-50%



## Active glass filter media

- Reduces water consumption by 25% during filter backwash.

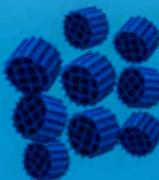
-25%



## Pro Elyo Inverboost NN

- Saving of up to 33% on your pool's heating bills.

-33%



## OC-1 filtration media

- Savings of 40% in filter backwashes.

-40%

## Simple details for a great Future.

Respect for the water and its rational use is the core philosophy of our Group.

Our commitment to sustainability has led us to create a specific line of sustainable products.

# GENERAL INFORMATION

## Unit conversion table

Length:	m	in	ft	
<b>Metre (m)</b>	1	39.370	3.281	
<b>Inch (in)</b>	0.025	1	0.083	
<b>Foot (ft)</b>	0.305	12	1	
Surface:	m <sup>2</sup>	in <sup>2</sup>	ft <sup>2</sup>	cm <sup>2</sup>
<b>Square metre (m<sup>2</sup>)</b>	1	1,150.388	10.764	10,000
<b>Square inch (in<sup>2</sup>)</b>	0.000645	1	0.0069	6.450
<b>Square foot (ft<sup>2</sup>)</b>	0.093	144.036	1	929.03
<b>Square centimetre (cm<sup>2</sup>)</b>	0.0001	0.155	0.00107	1
Volume:	m <sup>3</sup>	UK gal	US gal	l
<b>Cubic metre (m<sup>3</sup>)</b>	1	219.969	264.172	1000
<b>Imperial gallon (UK gal)</b>	0.0045	1	1.201	4.546
<b>US gallon (US gal)</b>	0.0038	0.833	1	3.785
<b>Litre (l)</b>	0.001	0.220	0.264	1
Speed:	m/s	in/s	ft/s	m/h
<b>Metres / second (m / s) v</b>	1	39.370	3.281	3600
<b>Inch / second (in / s)</b>	0.025	1	0.083	91.44
<b>Foot / second (ft / s)</b>	0.305	12	1	1097.28
<b>Metre / hour (m / h)</b>	0.00028	0.011	0.00091	1
Flow rate:	m <sup>3</sup> /m <sup>2</sup> .h	US gal/ft <sup>2</sup> .min	UK gal/ft <sup>2</sup> .min	ft <sup>3</sup> /ft <sup>2</sup> .min
<b>(m<sup>3</sup> / m<sup>2</sup>.h)</b>	1	0.409	0.341	0.055
<b>(US gal / ft<sup>2</sup>.min)</b>	2.445	1	0.833	0.134
<b>(UK gal / ft<sup>2</sup>.min)</b>	2.936	1.201	1	0.158
<b>(ft<sup>3</sup> / ft<sup>2</sup>.min)</b>	18.322	7.474	6.311	1
Mass:	kg	g	lb	
<b>Kilogram (kg)</b>	1	1000	2.205	
<b>Gram (g)</b>	0.001	1	0.0022	
<b>Pound (lb)</b>	0.454	453.59	1	
Pressure:	Pa	bar	kg/cm <sup>2</sup>	psi
<b>Pascal (Pa)</b>	1	0.00001	0.00001	0.00014
<b>Bar (bar)</b>	100000	1	1.019	14.504
<b>Kilogr. / Cent. squared (kg / cm<sup>2</sup>)</b>	98100	0.981	1	14.228
<b>Pound / square inch (psi)</b>	6894.76	0.0689	0.070	1
Energy:	J	kWh	cal	kcal
<b>Joule (J)</b>	1	0.000000277	0.239	0.00024
<b>Kilowatt per hour (kWh)</b>	3600000	1	860421	861.244
<b>Calorie (cal)</b>	4.186	0.00000116	1	0.001
<b>Kilocalorie (kcal)</b>	4186	0.0012	1000	1
Power:	kW	HP	BTU/h	
<b>Kilowatt (kW)</b>	1	1.341	3412.14	
<b>Horsepower (HP)</b>	0.746	1	2544.43	
<b>British Thermal Unit / hour (BTU / h)</b>	0.00029	0.00039	1	
Flow rate:	m <sup>3</sup> /h	US gall/min	UK gall/min	
<b>Cubic metre / hour (m<sup>3</sup> / h)</b>	1	3.667	4.403	
<b>US gallon / minute (US gall / min)</b>	0.273	1	1.201	
<b>Gal / min UK (UK gall / min)</b>	0.227	0.833	1	
<b>Litres / second (l / s)</b>	3.6	13.198	15.85	
Temperature:	°C	°F	K	
<b>Degrees Celsius (°C)</b>	1	[(9/5)x°C]+32	°C+273.16	
<b>Fahrenheit (F)</b>	(5/9)(F-32)	1	n.a	
<b>Kelvin (k)</b>	K-273.16	n.a	1v	

## Size of pipe and water flow rate

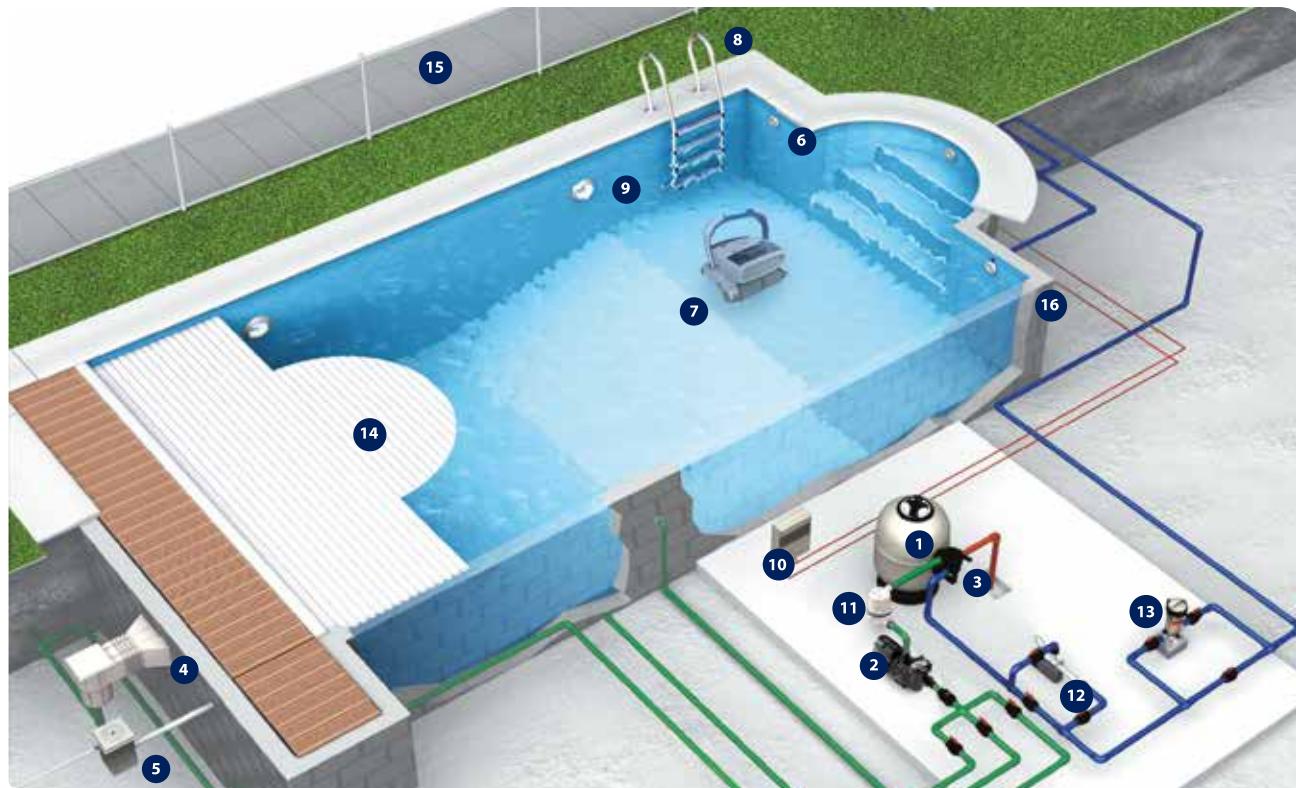
DN mm	D mm	Inches	Flow rate (m <sup>3</sup> /h) depending on the speed of the water Suction (1.2 m/s)	Flow rate (m <sup>3</sup> /h) depending on the speed of the water Discharge (2 m/s)
15	20	1/2"	1	1.6
20	25	3/4"	1.6	2.7
25	32	1"	2.7	4.4
32	40	1 1/4"	4.4	7.3
40	50	1 1/2"	7.5	12.5
50	63	2"	11	18.4
65	75	2 1/2"	15.7	26.1
80	90	3"	22.3	37.1

Due to ongoing changes, some photographs may not match the products exactly.

Printed on paper from sustainable forests. Fluidra contributes to environmental protection.



## General diagram of installation of swimming pool equipment



- ① Filter
- ② Pump
- ③ Multiport valve
- ④ Skimmer

- ⑤ Level regulator
- ⑥ Return inlet
- ⑦ Automatic bottom cleaners
- ⑧ Ladder

- ⑨ Light spot
- ⑩ Electric control cabinet
- ⑪ Hydrospin
- ⑫ Heat exchanger

- ⑬ Chlorine dispenser
- ⑭ Automatic pool cover
- ⑮ Safety barriers
- ⑯ Pool shell

## Filter and pump selection table

				Connections	Pump	Sand	
Pool volume	Renewal	Filtration speed	Filter Ø	mm	mm      inches	HP	kg
m³	h	m³/h/m²	mm	mm	inches		
40	8	50	350	50	1½"	0.3	40
40-50	8	50	400	50	1½"	0.5	60
50-60	8	50	450	50	1½"	0.5	70
60-75	8	50	500	50	1½"	0.5	100
75-90	8	50	560	50	1½"	0.75	130
90-115	8	50	600	50	1½"	1	160
115-130	8	50	650	50	2"	1	175
130-170	8	50	750	50	2"	1.5	300
170-200	8	50	800	50	2"	2	330



Best in class



Best value for money



Exclusive to the professional channel\*



Unique sustainable quality



Recommended for public pools



3-year warranty



New product



Until end of stocks



Fluidra Connect compatible

\*Product recommended for sale in physical stores due to the product's specialized and complex nature and/or its installation.

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INTERNET OF POOLS



POOL SURROUND EQUIPMENT



POOL SHELL EQUIPMENT



FILTRATION



PUMPS



WATER TREATMENT PRODUCTS



DOSING AND CONTROL EQUIPMENT



CLEANING EQUIPMENT



POOL LIGHTING



POOL LINING MATERIAL



COVERS AND ROLLERS



PVC FITTINGS FOR POOLS



SPAS AND SAUNAS



HEATING



COMMERCIAL POOLS



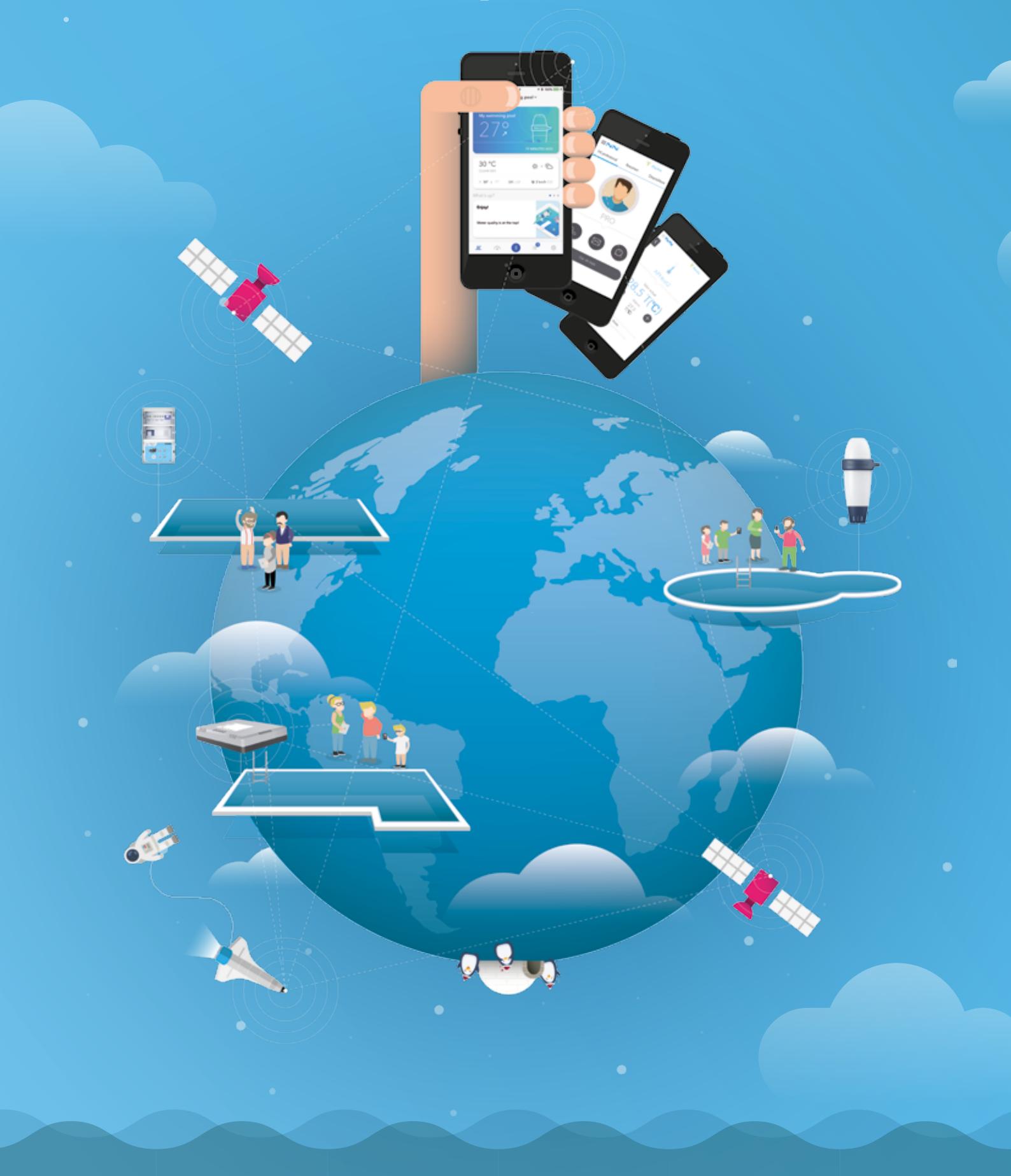


# INTERNET OF POOLS

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- 39 • Fluidra Connect
- 40 • Blue Connect range
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- 45 • Variable speed pumps
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- 60 • Air/water heat pumps, for outdoor installation
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# INTERNET OF POOLS

The Internet of things that connects pools,  
users and professionals



# Any pool CAN BE CONNECTED WITH FLUIDRA



BASIC

NEW



Blue Check

MEDIUM

NEW



Blue Connect

pool type

AUTONOMOUS  
ASSISTED

CONNECTED & DATA  
CONNECTED

Elite Connect



Fluidra Connect & GO



Fluidra Connect +  
NN Products



HIGH

MEDIUM-HIGH



Always seeking innovative solutions, Fluidra has developed a wide range of customized products for all types of pools, spas and budgets.

From the simplicity of test strips to the automation of highly complex public pools.



## Automated pools

### TOTAL CONTROL

Automation systems connected to the Internet that accommodate all pool devices. Users and professionals can have total control of a pool and its devices in an efficient way to enhance the experience of its use and maintenance.

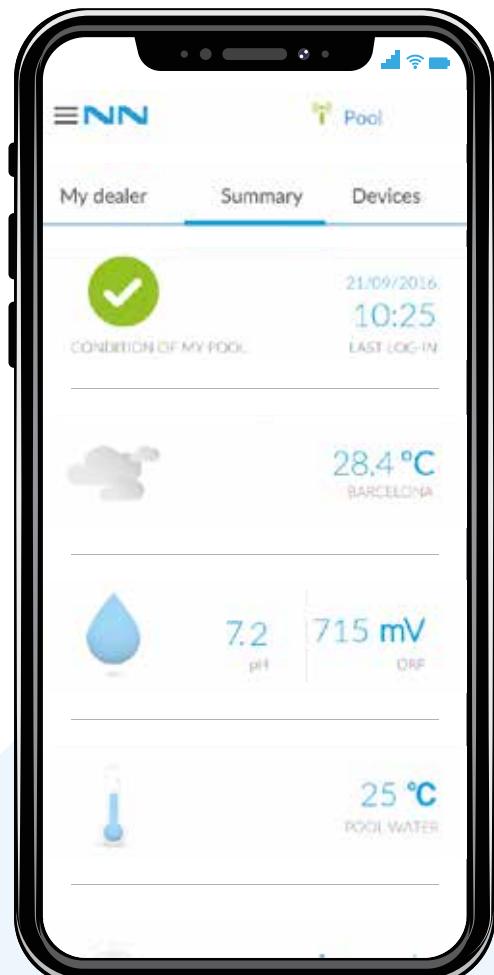


## Connected products

### THE EASIEST WAY

Devices connected to the Internet make it possible to share information about a pool without complications. The easiest way of connecting pools with users and professionals.

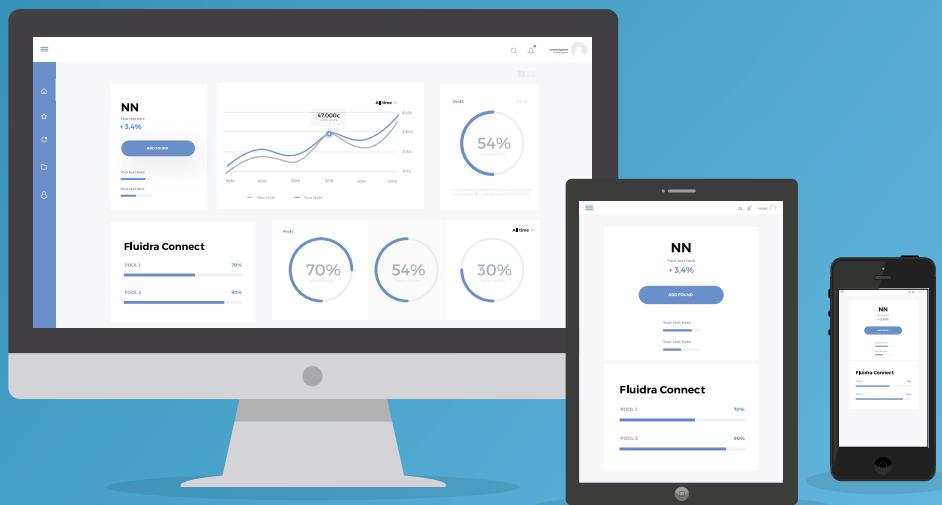
**blueconnect**



THE SMART SOLUTION FOR

# The remote control of pools

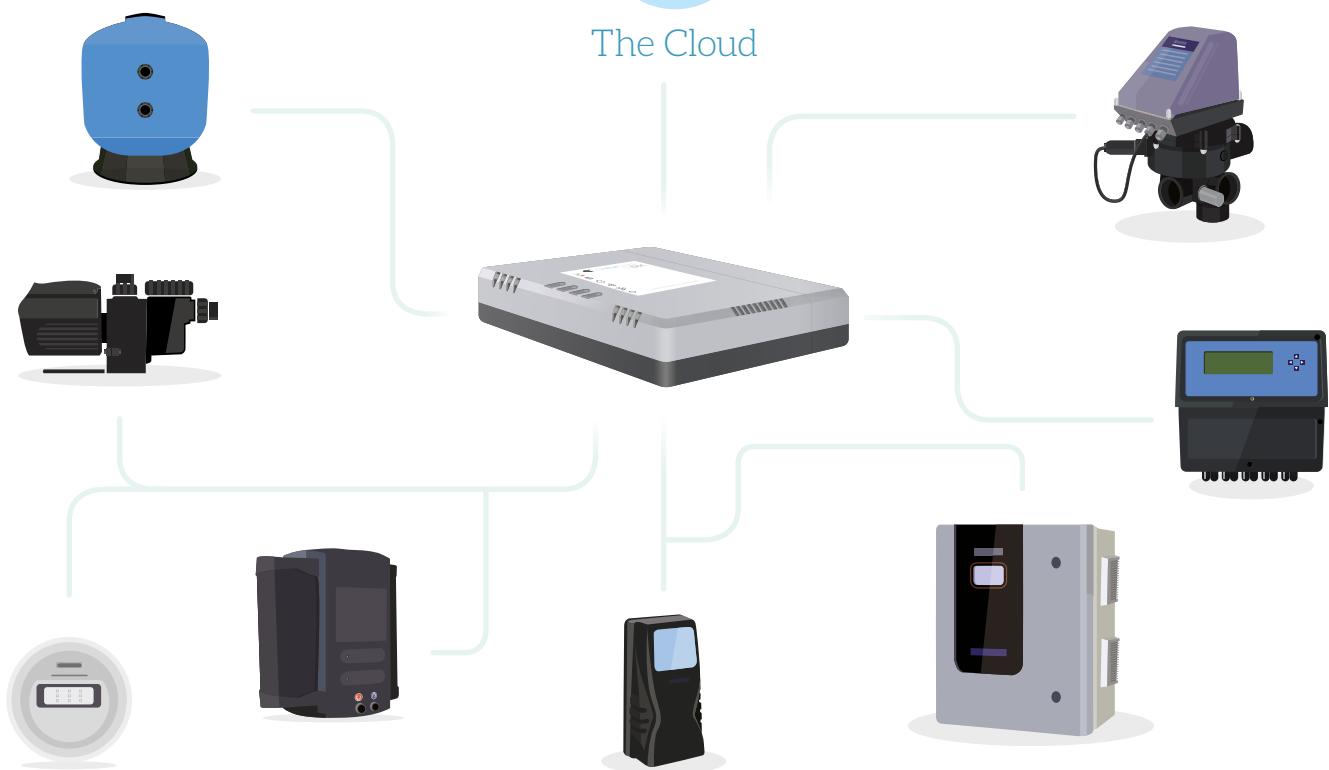
Through a service platform:  
[www.fluidraconnect.com](http://www.fluidraconnect.com)



You can remotely  
control, diagnose and manage your pool thanks to



The Cloud

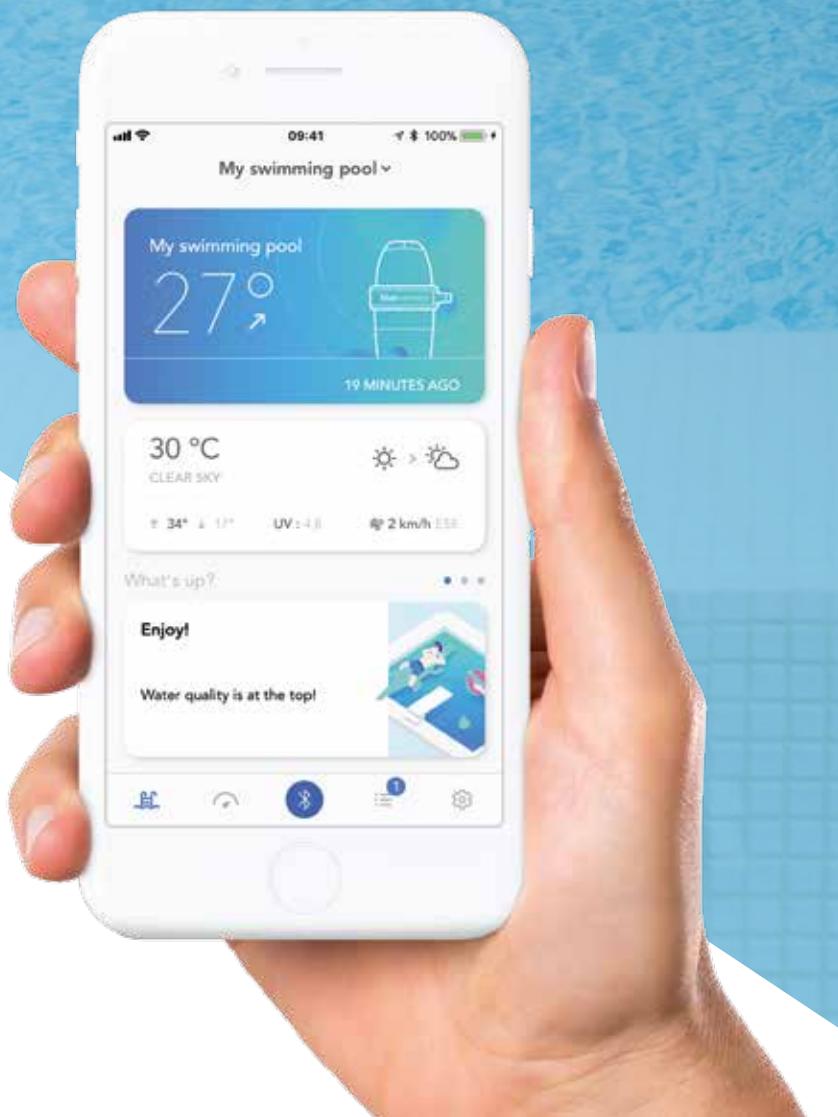


# blue connect

SMART POOL ANALYZER

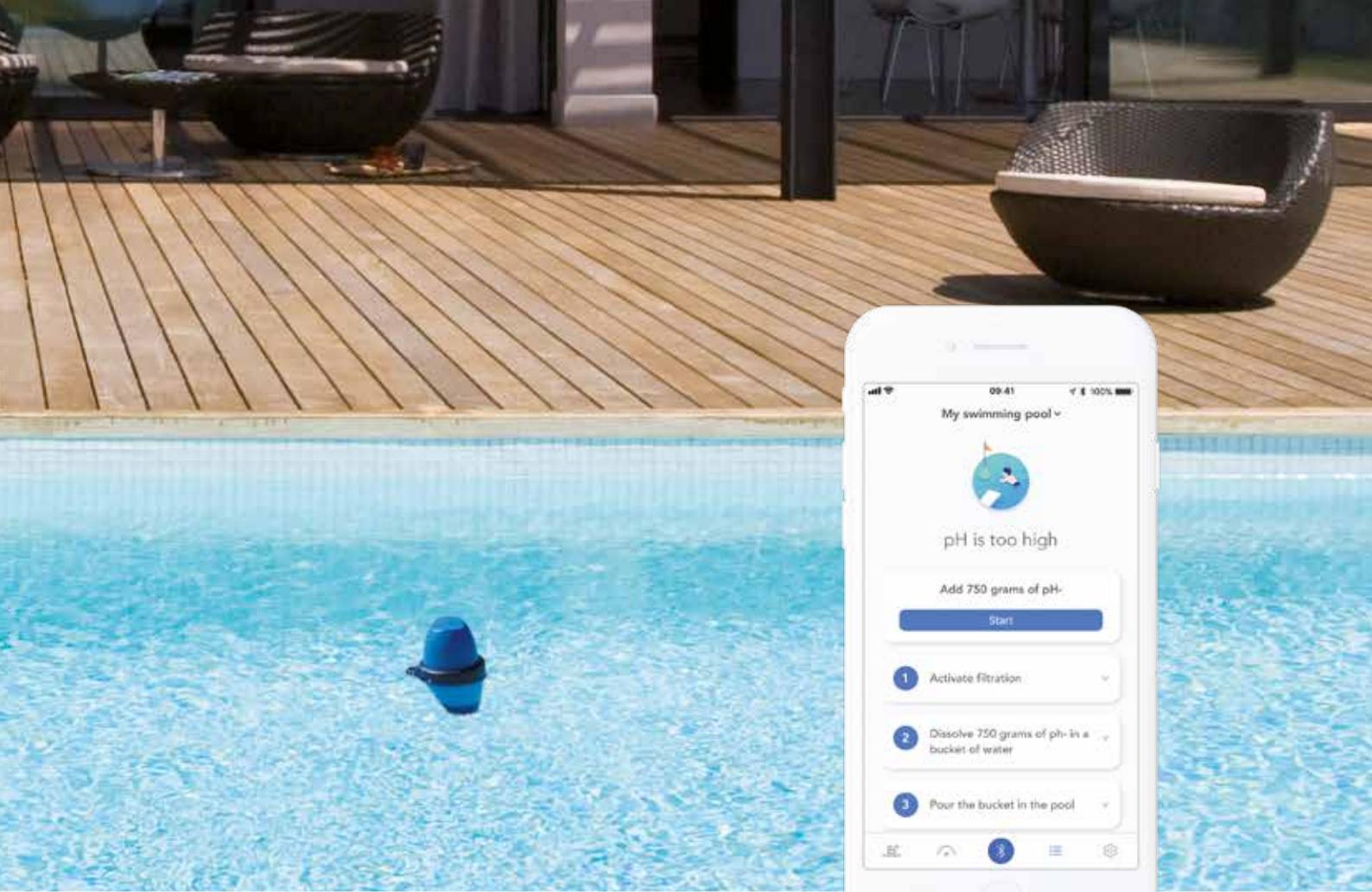


Analyses water quality and gives guidelines on its care with chemical products



## With app

- › Water status in real time
- › Pool maintenance guidelines



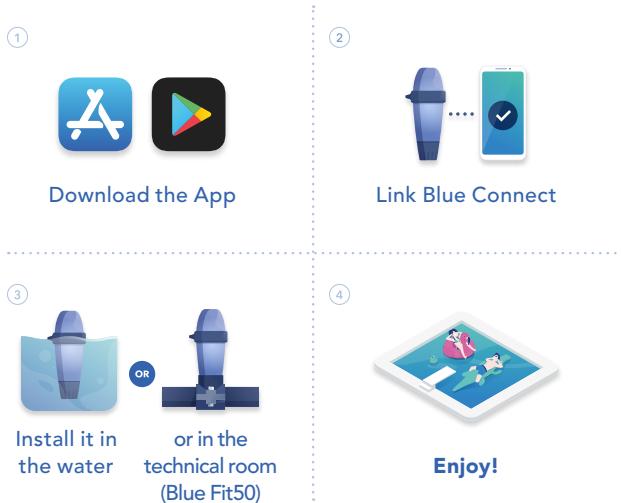
## What is Blue Connect?

Blue Connect is a smart device that analyses the quality of the water and tells you the products needed to maintain your pool.

The device is equipped with a sensor that measures the 4 main parameters to keep to keep a crystal clear water: pH, temperature, ORP (disinfectant level) and conductivity.

## Plug & Play

Blue Connect works with all types of pools and its installation takes only 3 minutes.



## Blue Connect App

With the free application Blue Connect, the user access real-time information on the quality of the water but also weather conditions.

When an action is needed, he receives an alert on his smartphone. Depending on the characteristics of his pool, the application gives him the procedure to follow and the quantity of chemicals needed to maintain a clean and healthy water.

### ALWAYS CONNECTED

Blue is always connected thanks to different technologies:

#### Sigfox.

Blue Connect continuously sends the data to the cloud via a network dedicated to connected devices.

#### Bluetooth.

Take an instant measure directly with Bluetooth.

#### Wi-Fi.

Use Blue Connect with your Wi-Fi thanks to the Wi-Fi gateway Blue Extender.

## Blue Extender, Wi-Fi gateway

If there is no Sigfox coverage in your area, Blue Connect can be connected to the Wi-Fi thanks to the Wi-Fi gateway Blue Extender.

Check your coverage on [blueconnect.io](http://blueconnect.io)

## Blue Fit50 , saddle clamp 50 mm

Blue Connect can float or can be installed in the technical room thanks to the saddle clamp Blue Fit50.

## Blue Connect packages

There are 2 packages of Blue Connect: Blue Connect and Blue Connect Plus.



### blue connect

Monitor your pool 24/7, wherever you are with the connected pool water analyser and the free Blue Connect app.



#### Blue Connect white

The smart pool analyser and its free application Blue Connect

#### Step-by-step assistant

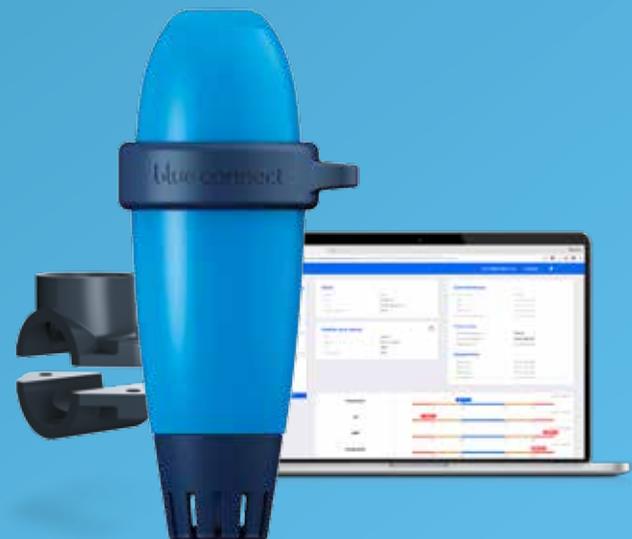
Follow your custom practical guide and save time and money

#### All-in-one sensor

Blue Connect accurately measures and analyses your pool

### blue connect plus

In addition to all the Blue Connect features, Blue Connect Plus gives access to a powerful web platform that allows local pool professional to monitor the pool remotely, for the ultimate peace of mind.



#### Blue Connect blue

The smart pool analyser and the advanced app Blue Plus

#### Blue Fit50

Saddle clamp to install Blue Connect in the technical room

#### Virtual Pool Care

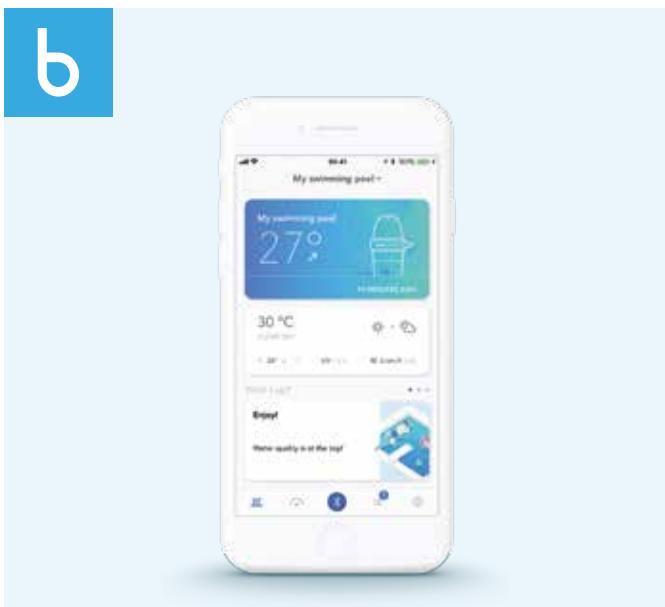
Web platform for pool Professional [virtualpoolcare.io](http://virtualpoolcare.io)

#### BLUE CONNECT STANDARD OR SALT?

There are options for the Plus version:  
A version for chlorine and bromine pools (platinum probe) and a version optimized for salt water pools (gold probe).

# App Blue Connect

There are 2 versions of the Blue Connect app: Blue Connect and Blue Plus (advanced mode).



## BLUE CONNECT

### The condition of your pool at a glance.

Not only do you see the general condition of your pool, but also the perfect time for swimming thanks to the weather info.

### Down to the finest detail

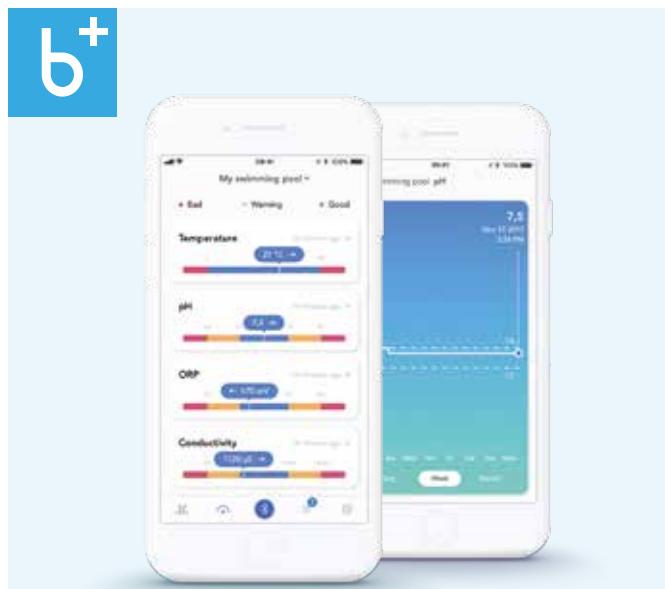
It displays the exact values of the main settings of your pool or spa.

### Notifications

Blue Connect notifies you when it detects a change in your pool or spa.

### Step-by-step assistant

It gives you step-by-step instructions on which chemicals to add to get your pool into optimal swimming conditions again.



## BLUE CONNECT PLUS

In addition to all the Blue Connect app features, Blue Plus gives access to more advanced features:

**20 daily readings** (instead of 2)

**Up to 5 days weather forecasts**

**Multi-user:** share your pool with relatives

**Data history:** see the evolution of your parameters

**Custom alerts:** chose when and how you want to receive alerts

*Blue Plus is included in the Blue Connect Plus package or can be purchased directly in the app.*

## SMART POOL ANALYZER

	Code	Standard Packaging	Standard Weight Kg	Standard Vol. m <sup>3</sup>
Blue Connect* (white)	70158-R	1	-	-
Blue Connect Plus (blue)	70159	1	-	-
Blue Connect Plus Salt (blue)	71663	1	-	-
Blue Battery	7015C001	1	-	-
Blue Sensor Pt	7015R001	1	-	-
Blue Sensor Au**	7015R002	1	-	-
Blue Fit50	7015C002	1	-	-
Blue Extender Wi-Fi Gateway	7015C004	1	-	-
Blue calibration KIT	71666	1	-	-

\* For the United States, Australia and Latin America countries, please check the code with the distributor before purchasing (check radio frequency)

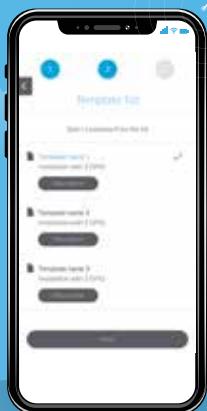
\*\* Optimised sensor for salt water pools



## CONNECT & GO

The perfect solution for the automation  
of residential pools in 4 steps

- 1 Fill in the installation form
- 2 Download the configuration template
- 3 Automatic recognition of NN-compatible products
- 4 Close the installation form



Professional App



Fast and easy thanks to Electrical Cabinet and 4 steps App

### Electrical Cabinet

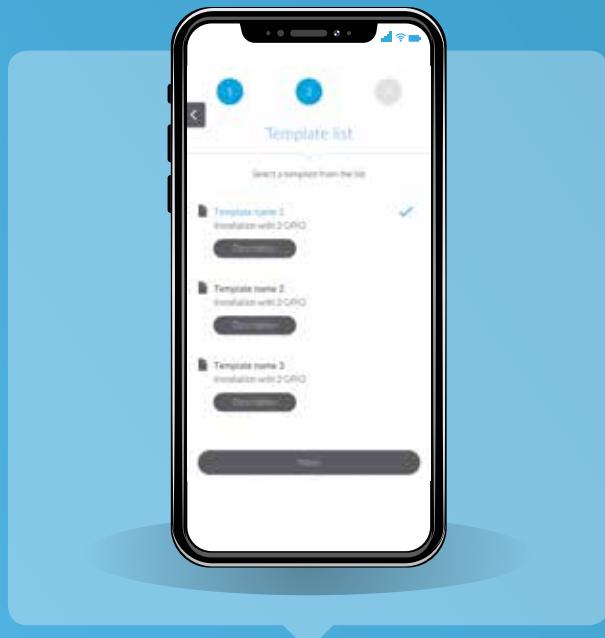
- Plug & Play
- Prepared for NN
- Available in different options
- Ready to connect



# The quickest installation solution

FOR POOL DEALERS

"The 4-Step configuration app turns your pool into an Automated Pool fast and easy:



- 1 Fill in the installation form in only few minutes
- 2 Choose the right configuration template for your pool
- 3 Product scan detects all Fluidra Connect Compatible Products automatically
- 4 Reduces the installation time by 80%



FLUIDRA  
**CONNECT**<sup>®</sup>

[www.fluidraconnect.com](http://www.fluidraconnect.com)

**FLUIDRA**  
**CONNECT®**  
 AUTOMATED POOLS

The smart solution for the automation of pools and spas



### FLUIDRA CONNECT COMPATIBLE THINGS

Water treatment	Lighting	Temperature	Filtration	Cleaning	Liner accessories
Connect Box					
Elite Connect Smart Next Control Connect Easy Salt Pro-Chlorine Salt Nature Salt AP Neo AP PR Optima Plus	Control Basic Plus Redox Basic EV Plus Control Basic Double pH-EV Plus Controller	LumiPlus Deck Niche W1 RGB Niche W2 RGB Slim W1 RGB Slim W2 RGB Rapid W1 RGB Rapid W2 RGB Design RGB Mini W2 RGB Mini W3 RGB Micra	Compact Electric Heater Evoline Pro Elyo Inverboost NN ProHeatII AstralPool HEAT III	System Vrac III Basic Victoria Plus Client VS	- WebCam Power meter Modbus temperature probe

Benefits				
Advanced functionality Use Control Coordination Alert management				

GPIO					
Electrolysis Peristaltic pump	Halogen spotlight or white LED	Heat pump Gas heater Solar heater Electric exchanger	1,2 or 3-speed pump Battery for 1 to 4 pumps	Net&Clean Electronic pool bottom cleaners: H-Duo Pulit Advance+ R-Series Sonic	Other Water meters Irrigation programmer Virtual temperature and ORP controllers
Benefits					
		ON/OFF		Timer	



Fluidra Connect Compatible adapter kit available

# Connect & Go

## INSTALLATION DIAGRAM



Product	Fluidra code	1 pump	2 pumps	White light	RGB light	Transformer included	On / Off device, added extra
OPTION 1	70874(C) / 70875(D)	✓		✓			
OPTION 2	70554(C) / 70555(D)	✓		✓			✓
OPTION 3	70556(C) / 70557(D)		✓				✓
OPTION 4	70697(C) / 70698(D)		✓	✓		✓	✓
OPTION 5	70699(C) / 70700(D)		✓		✓	✓	✓

## CONNECT & GO SOLUTION

### THE FUTURE IS HERE

The Connect & Go cabinets can be connected to Fluidra Connect, in addition to which the screens on the PRO app enable a smart pool to be set up.

The Connect & Go cabinets contain the electrical protection and control devices as described for each of them.

For refurbished or new-build pools we recommend the Connect & Go cabinets, which are pre-wired for Fluidra Connect and GPIO connections.

Steps to be followed on the Pro app for installation:

1. Fill in the installation form
2. Select the right screen depending on your installation.
3. Scan to add the connected products
4. Close the installation form

By following these simple steps you will be able to enjoy a smart pool and efficient maintenance.

Type	Intensity range	Power Range 1-phase 230V
C	4A - 6.3A	¾ HP - 1 HP
D	6A - 10A	1.5 HP



#### Basic

New

Control and power devices for a single-phase pump and control devices for lighting.

- IP-65 protection rating. Two transparent lids with lock and key.
- Products compatible with 220/240 V single-phase (P+N+T) 50 Hz/60Hz input.
- Internet connection required.
- Manual (selector) or automatic lighting control and pump.
- Includes Connect Box and 1 GPIO wiring.
- Enables optional temperature sensor connection (code 69682) with no need for accessories.
- Possibility of connecting a levels box.
- External transformer needed for lighting.
- Expansion modules can be connected for white, RGB and GPIO lighting.

	Code	Pack. Standard	Weight kg Standard	Volume in m <sup>3</sup> Standard
Basic C	70874	1	-	-
Basic D	70875	1	-	-



#### Basic Plus

New

Control and power devices for a single-phase pump plus a control device for lighting.

- IP-65 protection rating. Two transparent lids with lock and key.
- Products compatible with 220/240 V single-phase (P+N+T) 50 Hz/60Hz input.
- Internet connection required.
- Manual (selector) or automatic control for lighting, pump and auxiliary devices.
- Includes Connect Box and 1 GPIO wiring.
- Enables optional temperature sensor connection (code 69682) with no need for accessories.
- Possibility of connecting a levels box.
- External transformer needed for lighting.
- Expansion modules can be connected for white, RGB and GPIO lighting.

	Code	Pack. Standard	Weight kg Standard	Volume in m <sup>3</sup> Standard
Basic Plus C	70554	1	-	-
Basic Plus D	70555	1	-	-



Further information at  
[www.fluidraconnect.com](http://www.fluidraconnect.com)

## CONNECT &amp; GO SOLUTION

 New

## Net'N'Clean

Control and power devices for a single-phase pump plus a control another device.

- IP-65 protection rating. Two transparent lids with lock and key.
- Products compatible with 220/240 V single-phase (P+N+T) 50 Hz/60Hz input.
- Internet connection required.
- Manual (selector) or automatic control for pump, an auxiliary pump and an auxiliary device.
- Includes Connect Box and 1 GPIO wiring.
- Enables optional temperature sensor connection (code 69682) with no need for accessories.
- Possibility of connecting a levels box.
- External transformer needed for lighting.
- Expansion modules can be connected for white, RGB and GPIO lighting.

	Code	Pack. Standard	Weight kg Standard	Volume in m <sup>3</sup> Standard
Net'N'Clean C	<b>70556</b>	1	-	-
Net'N'Clean D	<b>70557</b>	1	-	-

 New

## Complete White

Control and power devices for two single-phase pump plus a control and power for white lighting.

- IP-65 protection rating. Three transparent lids with lock and key.
- Products compatible with 220/240 V single-phase (P+N+T) 50 Hz/60Hz input.
- Internet connection required.
- Manual (selector) or automatic control for pump, an auxiliary pump, an auxiliary device and lighting.
- Includes Connect Box and 1 GPIO wiring.
- Enables optional temperature sensor connection (code 69682) with no need for accessories.
- Possibility of connecting a levels box.
- A 100 VA transformer is included for lighting.
- Expansion modules can be connected for RGB and GPIO lighting.

	Code	Pack. Standard	Weight kg Standard	Volume in m <sup>3</sup> Standard
Complete White C	<b>70697</b>	1	-	-
Complete White D	<b>70698</b>	1	-	-

 New

## Complete RGB

Control and power devices for two single-phase pump plus a control and power for RGB lighting.

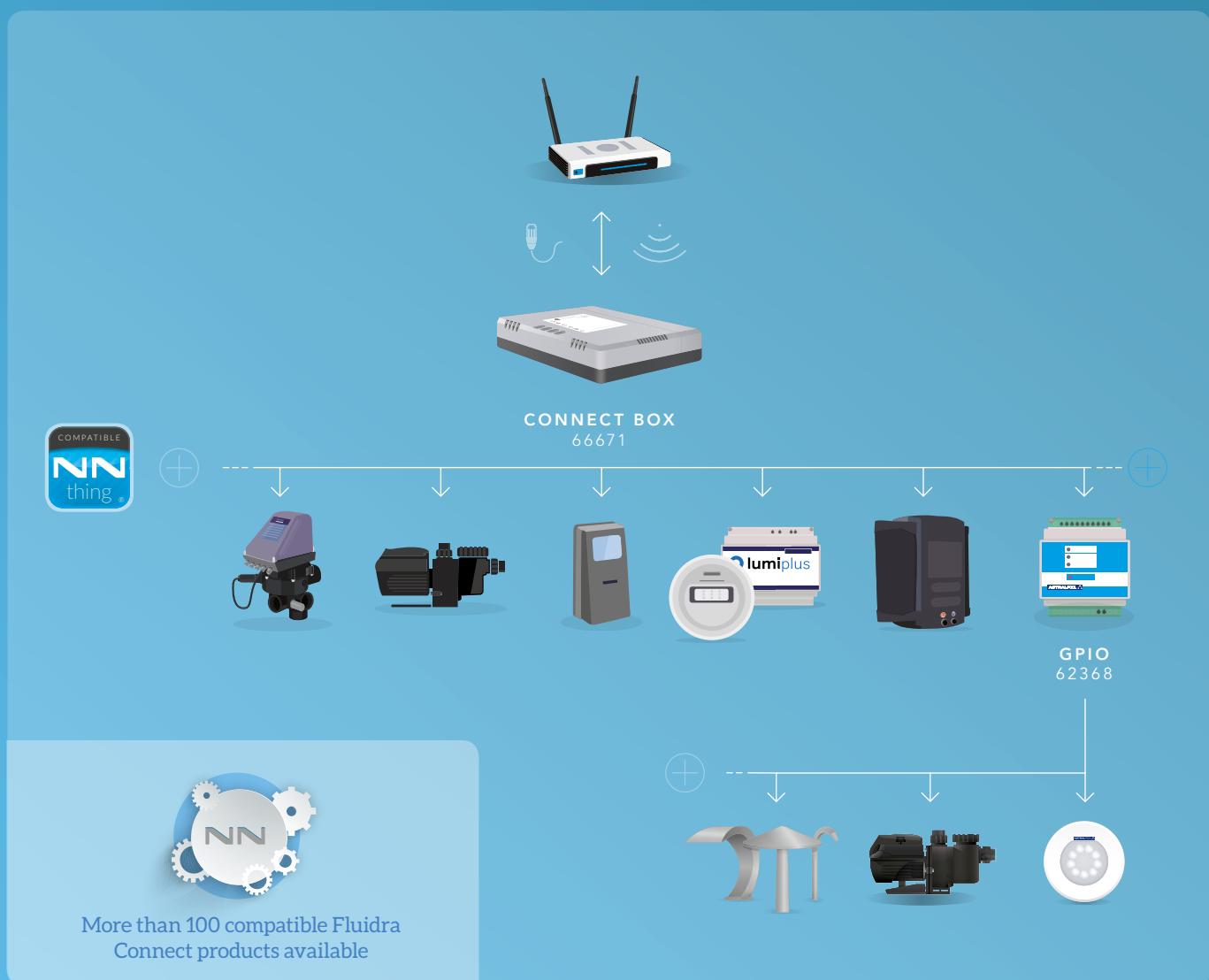
- IP-65 protection rating. Three transparent lids with lock and key.
- Products compatible with 220/240 V single-phase (P+N+T) 50 Hz/60Hz input.
- Internet connection required.
- Manual (selector) or automatic control for pump, an auxiliary pump and an auxiliary device.
- Includes Connect Box and 1 GPIO wiring.
- Enables optional temperature sensor connection (code 69682) with no need for accessories.
- Possibility of connecting a levels box.
- A 100 VA transformer is included for lighting.
- Expansion modules can be connected for white and GPIO lighting.

	Code	Pack. Standard	Weight kg Standard	Volume in m <sup>3</sup> Standard
Complete RGB C	<b>70699</b>	1	-	-
Complete RGB D	<b>70700</b>	1	-	-

Check out the expansion modules available for GPIO, RGB, etc.

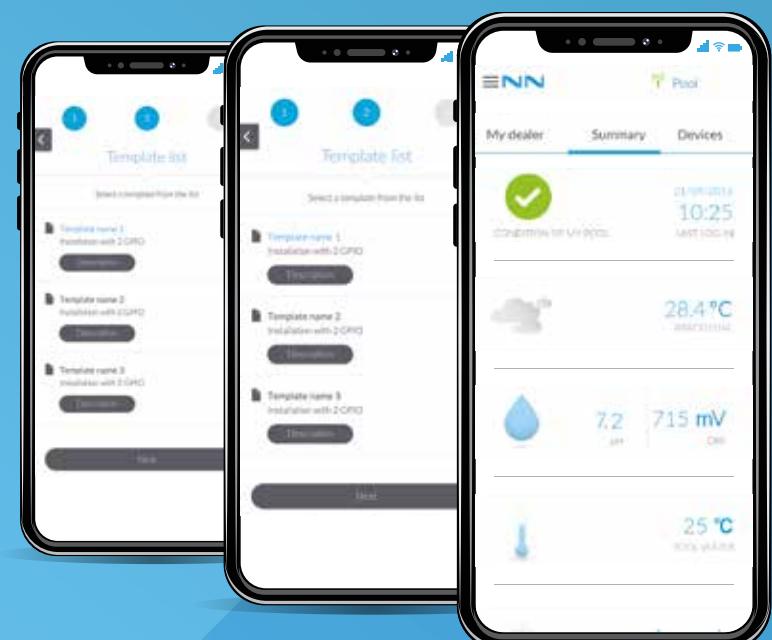
# Fluidra Connect

## INSTALLATION DIAGRAM



**Fluidra Connect,**  
the most flexible solution

With more than 100 totally compatible products that can be controlled through the Fluidra Connect app.





THE FUTURE  
IS HERE

## FLUIDRA CONNECT

Fluidra Connect is a smart solution that enables end users and pool dealers to control a pool remotely. This makes it possible for pool dealers to check out, manage and control all the pools they have installed from a PC.

Fluidra Connect has two control modes:

- Basic, intuitive control for end users front the app.
- Advanced control for pool professionals over the [www.fluidraconnect.com](http://www.fluidraconnect.com) platform (optional).



### Connect Box

Connect Box is the brains behind a Fluidra Connect pool installation. Fluidra Connect does not work without Connect Box, which must have a cable or Wi-Fi Internet connection (from a home router, 3G network, etc.).

	Code	Pack. Standard	Weight kg Standard	Volume in m <sup>3</sup> Standard
Connect Box	<b>66671</b>	1	-	-

In cases that the products to be controlled are not compatible with Fluidra Connect, they can be run using a device called a GPIO.



### GPIO

It has 4 digital input and output pins.

Using the GPIO, incompatible products, such as a white spotlight or filtration pump, can be switched on or off and their timers set.

It also displays the status of some devices, such as a pool cover.

	Code	Pack. Standard	Weight kg Standard	Volume in m <sup>3</sup> Standard
GPIO	<b>62368</b>	1	-	-

Up to 247 GPIOs can be connected to a single Connect Box.



Further information at  
[www.fluidraconnect.com](http://www.fluidraconnect.com)

## BLUE CONNECT RANGE



### WHAT IS BLUE CONNECT?

Blue Connect is smart device that tests water quality. It comes with a free app that tells you have to balance your pool water in a few easy steps.

The device is equipped with a probe that measures the four main settings for keeping your pool water crystal clear: **pH**, **temperature**, **ORP** (**level of disinfectant**) and **conductivity**.



### Plug & Play

Blue Connect works with all types of pools and its installation takes only 3 minutes.



**1. Download the App**



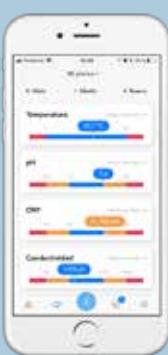
**2. Link Blue Connect**



**3. Install it in the water or in the technical room (Blue Fit50)**



**4. Enjoy!**



### BLUE CONNECT APP

With the free application Blue Connect, the user access **real-time information** on the quality of the water but also **weather conditions**.

When an action is needed, he receives an **alert** on his smartphone. Depending on the characteristics of his pool, the application gives him the **procedure to follow** and the quantity of chemicals needed to maintain a clean and healthy water.

### Always connected

Blue is always connected thanks to different technologies:



Blue Connect continuously sends the data to the cloud via a network dedicated to connected devices.



Take an instant measure directly with Bluetooth.



Use Blue Connect with your Wi-Fi thanks to the Wi-Fi gateway Blue Extender.

## BLUE CONNECT RANGE

### Blue Extender Wi-Fi Gateway

If there is no Sigfox coverage in your area, Blue Connect can be connected to the Wi-Fi thanks to the **Blue Extender Wi-Fi gateway**.

Check your coverage on [blueconnect.io](http://blueconnect.io)



### Blue Fit50, saddle clamp 50 mm

Blue Connect can float or can be installed in the technical room thanks to the saddle clamp Blue Fit50.



### Blue Connect packages

There are 2 packages of Blue Connect: **Blue Connect** and **Blue Connect Plus**.



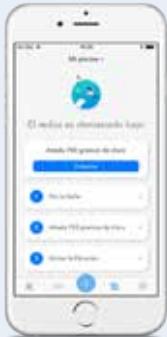
**Blue Connect (white)**

The smart pool tester and the free Blue Connect app

**blue connect**

Monitor your pool 24/7, wherever you are with the connected pool water analyser and the free Blue Connect app.





**Step-by-step assistant**

Follow your custom practical guide and save time and money



**Blue Connect (blue)**

The smart pool analyser and the advanced app Blue Plus



**Blue Fit50**

Saddle clamp to install Blue Connect in the technical room



**Virtual Pool Care**

Web platform for pool Professional [virtualpoolcare.io](http://virtualpoolcare.io)

### Blue Connect Standard or Salt?

Each of those packages are declined in 2 versions: a version for chlorine and bromine pools (platinum probe) and a version optimized for salt water pools (gold probe).

## TESTERS

### Blue Connect App

There are two versions of the Blue Connect app: Blue Connect and Blue Plus (advanced mode).



**The condition of your pool at a glance.**  
Not only do you see the general condition of your pool, but also the perfect time for swimming thanks to the weather info.

**Down to the finest detail**  
It displays the exact values of the main settings of your pool or spa.

**Notifications**  
Blue Connect notifies you when it detects a change in your pool or spa.

**Step-by-step assistant**  
Gives you step by step instructions on which chemicals to add to get your pool into optimal swimming conditions again.





In addition to all the Blue Connect app features, Blue Plus gives access to more advanced features:

- 20 daily readings (instead of 2)
- Up to 5 days weather forecasts
- Multi-user: share your pool with relatives
- Data history: see the evolution of your parameters
- Custom alerts: chose when and how you want to receive alerts

*Blue Plus is included in the Blue Connect Plus package or can be purchased directly in the app.*

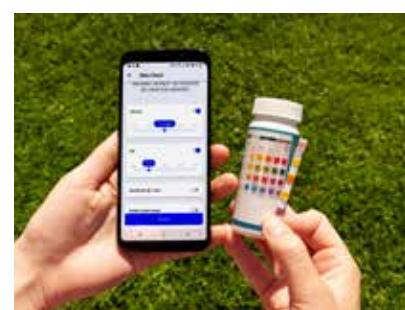


### Blue Check, 5-in1 test strips that work with the app

Blue Check has 50 test strips that are used with the free Blue Connect app, on which customers can find tips on how to maintain their pools. A simple solution for keeping clean with total peace of mind.

Blue Check works with Blue Connect to check additional settings, such as alkalinity, hardness and cyanuric acid.

Further information on page 43.



## Smart Pool Analyzer

	Code	Pack. Standard	Weight kg Standard	Volume in m <sup>3</sup> Standard
Blue Connect* (white)	70158-R	1	-	-
Blue Connect Plus (blue)	70159	1	-	-
Blue Connect Plus Salt (blue)	71663	1	-	-
Blue Battery, lithium battery	7015C001	1	-	-
Blue Sensor Pt	7015R001	1	-	-
Blue Sensor Au**	7015R002	1	-	-
Blue Fit50	7015C002	1	-	-
Blue Extender (Wi-Fi)	7015C004	1	-	-
Blue calibration KIT	71666	1	-	-

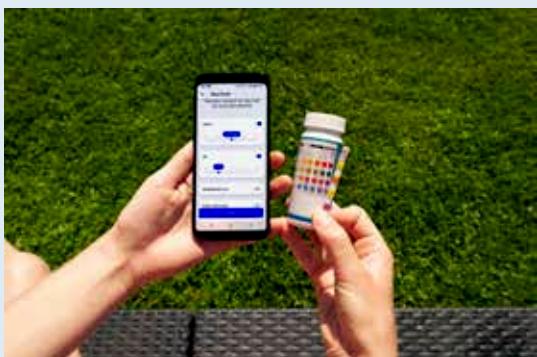
\* For the United States, Australia and Latin America countries, please check the code with the distributor before purchasing (check radio frequency)

\*\* Optimized sensor for salt water pools

## TESTERS

New

Blue Check, test strips for use with the Blue Connect maintenance app



Blue Check has 50 test strips that are used with the free **Blue Connect** app, on which customers can find tips on how to maintain their pools. A simple solution for keeping clean with total peace of mind.

**Blue Check measures:**

- pH (6.8 - 8.2)
- Free chlorine (0.0–5.0)
- Bromine (0.0–11.0)
- Total alkalinity (0–240)
- Total Hardness (40–1000)
- Cyanuric Acid (0–150)

**Blue Check works in conjunction with Blue Connect, the smart pool water tester (see page 42).** Thanks to Blue Check you will be able to ensure that your pool water is balanced by checking other settings, such as alkalinity, hardness and cyanuric acid.



1

Test the water and enters the values in the app  
**Blue Connect**



2

See the state of your pool and the weather forecast



3

Receive customised tips on which chemicals to use and in which amounts



	Code	Pack. Standard	Weight kg Standard	Volume in m <sup>3</sup> Standard
--	------	-------------------	-----------------------	--------------------------------------

Blue Check, test strips (pack in EN, FR, DE, NL)  
Blue Check, test strips (pack in EN, ES, IT, PT)

71664  
71665

## AUTOMATIC MULTIPOINT VALVES

New

*Fluidra Connect compatible*

A multiport safety valve  
(code 41898 or 41899)  
is recommended.

## The VRAC III automatic multiport valve system

New, improved automatic multiport valve run using a push button keyboard. Controls filtration, backwashing, rinsing, emptying, recirculation and shut-down.

- **Adaptable:** It can be fitted in all facilities with a filter, and is quick and easy to install.
- **Comfort:** With a simple programming using the keypad, you will receive a fully automated filtration of your pool.
- **Hygiene:** To obtain an optimal water quality for swimming, filtration runs every day, optimizing the wash cycles.
- **Safety:** The automatic valve continually monitors the filtration system, thus preventing potential breakdowns. New power surge protection. Spring coated to prevent rusting.
- Quick-read information via LED lights.

	Code	Pack. Standard	Weight kg Standard	Volume in m <sup>3</sup> Standard
Basic 1½" side mounted, Config. 3	<b>70768</b>	1	4.27	0.023
Basic 2" side mounted, Config. 3	<b>70769</b>	1	5.75	0.033



## VICTORIA PLUS SILENT VS



Fluidra Connect  
compatible

### VARIABLE SPEED PUMPS

#### Victoria Plus Silent VS pump



The Victoria Plus Silent pump for residential pools comes with a 1 hp or 2 hp motor, has variable speeds and can be automatically controlled.

This pump has been designed for both new-build pools and as a replacement for pumps already fitted.

Significant power savings can be made thanks to the use of variable speeds and the timer.

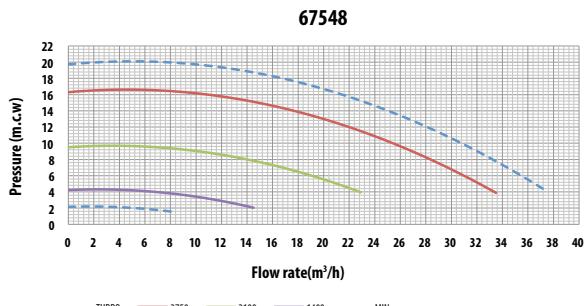
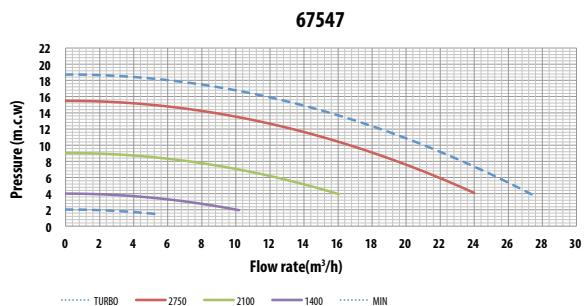
The pump is compatible with the Fluidra Connect platform.

It has a built-in HIM controller with the possibility of mounting it on a wall for better usability.

Bathers experience a greater feeling of well-being due to the reduced noise level.

There are digital inputs and outputs for the smooth running of all pool units, such as the salt chlorinator and heat pump. It includes a power factor correction function for reducing current flow. It does not require an external power pack for Fluidra Connect..

	Code	Pack. Standard	Weight kg Standard	Volume in m <sup>3</sup> Standard
Victoria Plus Silent VS pump - 1 hp	67547	1	19	0.087
Victoria Plus Silent VS pump - 2 hp	67548	1	22	0.087



Menu-driven adjustments and settings



Intuitive weekly timer settings



Pre-set and adjustable speeds



Power consumption and savings display

#### Technical features:

##### Installation and control:



HMI control system on pump



HMI control system on wall

	67547			67548		
	LOW	MEDIUM	HIGH	LOW	MEDIUM	HIGH
<b>Speed (rpm)</b>	1400	2100	2750	1400	2100	2750
<b>Voltage (V)</b>	220-240	220-240	220-240	220-240	220-240	220-240
<b>Frequency (Hz)</b>	50/60	50/60	50/60	50/60	50/60	50/60
<b>Power (W)</b>	170	470	1030	258	750	1560
<b>Current (A)</b>	1	2.2	4.5	1.4	3.4	7.1
<b>Flow rate (m<sup>3</sup>/h)</b>	8.2	12.4	16.7	11.1	18.8	25.5
<b>Pressure (m)</b>	2.7	6.1	10	3.2	6.2	10
<b>Efficiency (l/Wh)</b>	48.3	26.4	16.2	43	25	16.3
<b>Max. working pressure (m)</b>	4	9	15.5	4	9.4	16.3
<b>Noise (dB)</b>	45	53	61	51	58	66

## SALT ELECTROLYSIS AND PH/CL CONTROL

### Model comparison

Product name	Elite Connect				Smart Next				
Chlorine output	12 g/h	24 g/h	32 g/h	42 g/h	7 g/h	12 g/h	21 g/h	30 g/h	40 g/h
Unheated pool volume (m <sup>3</sup> )	60	100	160	200	30	60	80	140	180
Heated pool volume (m <sup>3</sup> )	50	80	120	160	25	50	70	115	155
Output control	0-100%				0-100% (10 levels)				
Low Salt	Optional				No				
pH control	Scalable (fail-safe mode)				Optional				
Electrode holder included	Yes (pH option)				Yes (pH option)				
pH pump included (indoor or outdoor)	Yes (pH option)				Yes (pH option)				
pH fail-safe mode	Yes (1-120 min)				Yes (1-120 min)				
ORP control	Scalable				No				
ppm control	Scalable				No				
External output control	Yes (adjustable)				Yes (adjustable)				
Cover detector	Yes (adjustable)				Yes (adjustable)				
User interface	2,8" TFT colour touchscreen				Back-lit touchscreen				
Minimum flow rate	2 m <sup>3</sup> /h	4 m <sup>3</sup> /h	6 m <sup>3</sup> /h	8 m <sup>3</sup> /h	2 m <sup>3</sup> /h	3 m <sup>3</sup> /h	5 m <sup>3</sup> /h	6 m <sup>3</sup> /h	8 m <sup>3</sup> /h
Protection rating	IP65				IP65				
Type of cell	Horizontal or vertical				Horizontal or vertical				
Cell service life	12,000 h				10,000 h				
Lack of water fail-safe mode	Yes (flowmeter and gas probe)				Yes (gas sensor and optional flowmeter)				
Salt fail-safe mode	Yes (High - Low)				Yes (High - Low)				
Electric power	83 W	165 W	205 W	205 W	46 W	92 W	92 W	184 W	207 W
Reverse polarity	Yes, 2-3-4 h				Yes, 2-3 h				
Timer	Yes				No				
Running time meter	Yes				Yes				
Temperature display	Yes				Yes				
Salinity display	Yes				Yes				
Connectivity	Yes (PoolStation included, NN-compatible)				Yes (NN-compatible)				
Inputs - Outputs	4 (digital) - 4 (relays)				No				
Warranty	3 years				2 years				



Further information at  
[www.fluidraconnect.com](http://www.fluidraconnect.com)



## SALT ELECTROLYSIS AND PH/CL CONTROL



Fluidra Connect  
compatible



Possibility of upgrading the unit  
with S-Driver®

### Elite Connect



New

A totally automated pH and chlorine control unit with all of the added advantages of salt chlorinators.

- Scalable control functions with S-Driver® plug-in modules (pH, Rx and Cl ppm).
- 2.8" TFT colour touchscreen.
- Compatible with Fluidra Connect and integrated PoolStation.
- It has 4 digital inputs and 4 digital outputs (relay) for controlling the filtration pump, heat pump, lighting, watering system, etc.
- Equipped with a bubble detector, a flow meter and a compact probe holder (pH option) as standard.
- Equipped with high quality electrodes, with a service life of up to 12,000 hours under normal conditions.
- Output control of 0 to 100%.
- pH dosing pump included with pH option.
- Low-salt version (1–4 g/l).

	Code	Pack. Standard	Weight kg Standard	Volume in m <sup>3</sup> Standard
<b>Elite Connect</b>				
Elite Connect 12 g/h	70012	1	-	-
Elite Connect 24 g/h	70013	1	-	-
Elite Connect 32 g/h	70014	1	-	-
Elite Connect 42 g/h	70016	1	-	-
<b>Elite Connect pH</b>				
Elite Connect pH 12 g/h	70019	1	-	-
Elite Connect pH 24 g/h	70021	1	-	-
Elite Connect pH 32 g/h	70023	1	-	-
Elite Connect pH 42 g/h	70025	1	-	-
<b>Elite Connect pH/Rx</b>				
Elite Connect pH/Rx 12 g/h	70031	1	-	-
Elite Connect pH/Rx 24 g/h	70032	1	-	-
Elite Connect pH/Rx 32 g/h	70033	1	-	-
Elite Connect pH/Rx 42 g/h	70035	1	-	-
<b>Elite Connect pH/ppm</b>				
Elite Connect pH/ppm 12 g/h	70361	1	-	-
Elite Connect pH/ppm 24 g/h	70363	1	-	-
Elite Connect pH/ppm 32 g/h	70365	1	-	-
Elite Connect pH/ppm 42 g/h	70369	1	-	-
<b>Elite Connect LS</b>				
Elite Connect LS 12 g/h	70037	1	-	-
Elite Connect LS 24 g/h	70039	1	-	-
Elite Connect LS pH 12 g/h	70040	1	-	-
Elite Connect LS pH 24 g/h	70042	1	-	-
Elite Connect LS pH/Rx 12 g/h	70047	1	-	-
Elite Connect LS pH/Rx 24 g/h	70048	1	-	-
Elite Connect LS pH/ppm 12 g/h	70371	1	-	-
Elite Connect LS pH/ppm 24 g/h	70372	1	-	-
<b>Drivers</b>				
SD-pH	70049	1	-	-
SD-Pump	70054	1	-	-
SD-ORP	70051	1	-	-
SD-PPM	70052	1	-	-



70049



70054



70051



70052

## SALT ELECTROLYSIS AND PH/CL CONTROL


 New

 Fluidra Connect  
compatible


### Smart Next

A salt chlorinator with the possibility of total automated control over pH.

- Compatible with Fluidra Connect.
- Equipped with a bubble detector (optional flow meter) and compact probe holder (pH option) as standard.
- Monitors temperature and salinity.
- Equipped with high quality electrodes, with a service life of 8,000–10,000 hours under normal conditions.
- Output control of 0 to 100%.
- pH dosing pump included with pH option.

	Code	Pack. Standard	Weight kg Standard	Volume in m <sup>3</sup> Standard
<b>Smart Next</b>				
Smart Next 7 g/h	<b>70058</b>	1	-	-
Smart Next 12 g/h	<b>70060</b>	1	-	-
Smart Next 21 g/h	<b>70062</b>	1	-	-
Smart Next 30 g/h	<b>70063</b>	1	-	-
Smart Next 40 g/h	<b>70064</b>	1	-	-
<b>Smart Next pH</b>				
Smart Next pH 7 g/h	<b>70083</b>	1	-	-
Smart Next pH 12 g/h	<b>70084</b>	1	-	-
Smart Next pH 21 g/h	<b>70085</b>	1	-	-
Smart Next pH 30 g/h	<b>70086</b>	1	-	-
Smart Next pH 40 g/h	<b>70093</b>	1	-	-
<b>Option:</b>				
Flow meter, D.50 collar and adaptor	<b>71124</b>	1	-	-


 Further information at  
[www.fluidraconnect.com](http://www.fluidraconnect.com)

## SALT ELECTROLYSIS AND PH/CL CONTROL



Fluidra Connect  
compatible



Freepool<sup>2</sup>

Freepool<sup>2</sup> 180 g Cl/h

	Code	Pack. Standard	Weight kg Standard	Volume in m <sup>3</sup> Standard
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70990 1 - -



60361

AP PR-200 control unit compatible with Freepool2

Recommended unit:

	Code	Pack. Standard	Weight kg Standard	Volume in m <sup>3</sup> Standard
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AP PR-207 pH/Cl2 PPM\*

60361 1 - -

AP PR-207 pH/Cl2 PPM + integrated TRI KIT\* 60361-KIT TRI 1 - -

ECC1S Electrolyte / free chlorine sensor gel  
(seawater)

64658 1 - -

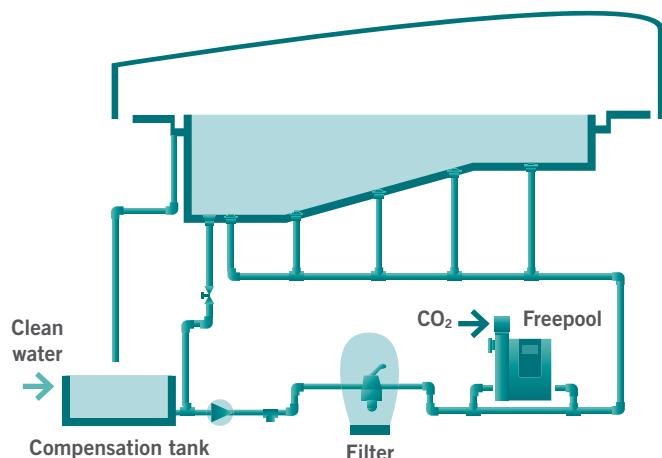


Universitat Autònoma de Barcelona



Hospital Universitari

The benefits of Freepool have been backed up by two studies conducted by Universitat Autònoma de Barcelona and Hospital Universitari Clínic de Barcelona.



## SALT ELECTROLYSIS AND PH/CL CONTROL



### Salt Electrolysis for public pools

Salt water chlorinators for commercial pools are becoming popular because they are efficient, practical, safe and well priced.

Our wide range of industrial electrolysis systems covers self-cleaning equipment of up to 600 grams/hour of Chlorine, which makes it possible to use saline electrolysis to treat the water at any public use facility.

#### Main advantages:

- Safety:** There is no need to store, handle or dose any chemical products and therefore it is a much safer system. The raw material stored is common salt.
- Savings:** The introduction of saline electrolysis systems can bring net savings in operating costs of around 50-60%, with respect to traditional systems.

Peristaltic pump not included.

	Easy Salt	Pro-Chlore Salt	Nature Salt
<b>Self-cleaning electrodes</b>	10,000 - 12,000 h	12,000 - 15,000 h	12,000 - 15,000 h
<b>Salinity range</b>	5-12 g/l (recommended 5-6 g/l)	5-12 g/l (recommended 5-6 g/l)	1.5-3 g/l (recommended: 2-2.5 g/l) (*)
<b>Production (g/h)</b>	70 - 180	50 - 600	50 - 300

(\*) Operating range 1.5-5 g/l depending on the temperature (28-35 °C) and nominal output (80-100%)



### Easy Salt

SELF-CLEANING salt electrolysis system for residential and public pool applications of up to 180 g chlorine/hour. Easy Salt is a compact and cost-competitive piece of equipment. To control more than one unit for the same pool you will need an AP PR-200 external control or Smart Control and the TRI multiple control kit (code 70338).



Fluidra Connect compatible

	Code	Pack. Standard	Weight kg Standard	Volume in m <sup>3</sup> Standard
Easy Salt 50	<b>66151</b>	1	30	0.29
Easy Salt 70	<b>53799</b>	1	70	0.29
Easy Salt 90	<b>53801</b>	1	80	0.29
Easy Salt 180	<b>53803</b>	1	90	0.29
External control option (AP PR 60359-60361-60362, Smart Control 54523-4-5)				
Easy Salt 50 + pH/ORP (EXT-1)	<b>66153</b>	1	30	0.29
Easy Salt 70 + pH/ORP (EXT-1)	<b>53800</b>	1	70	0.29
Easy Salt 90 + pH/ORP (EXT-1)	<b>53802</b>	1	80	0.29
Easy Salt 180 + pH/ORP (EXT-1)	<b>53804</b>	1	90	0.29
Optional probe holder for EXT-1 (EXT-1+66448 = EXT-1D)	<b>66448</b>	1	-	-
Optional: Connection kit compatible with Fluidra Connect	<b>60363</b>	1	0.39	0.002

Valid for Easy Salt and Pro-Chlore Salt and Nature Salt:

	pH	ORP	FREE CHLORINE*
<b>Components supplied</b>	H-035 probe pH calibration solution (7,0/4,0)	RX-02 probe ORP calibration solution (470 mV)	CL0102 probe ID-CAL calibration card
Two PE ½" probe holder connectors (standard in all models); probe holder panel with inductive flow rate detector; flow rate and pre-filter adjustment (standard in ppm models)			
<b>Size</b>	600 x 240 x 120 mm (panel)		
<b>pH control output</b>	230 V / 50-60 Hz / 0,5 A max, ON/OFF		
<b>Scale</b>	0.0 - 9.9	0 - 999 mV	0.0 - 5.0 ppm
<b>Control range</b>	7.0 - 7.8	650 - 850 mV	0.0 - 5.0 ppm
<b>Accuracy</b>	0.1 pH	1 mV	0.1 ppm
<b>Calibration</b>	(pH) Automatic; two modes Fast: one-point calibration Standard: Two-point calibration	Automatic: one-point calibration	FREE CHLORINE: automatic (one-point using external DPD calibrator – not supplied)

\*Not available for Easy Salt

## SALT ELECTROLYSIS AND PH/CL CONTROL



### Pro-Chlore Salt

Our Pro-Chlore Salt range includes EX electrodes that provide the highest level of durability in self-cleaning systems. The Pro-Chlore Salt range with its integrated EXTENSION options (EXT-1, EXT-1E, EXT-2) or external control options (AP PR200, Smart Control) includes a control and regulation system for ORP values (Redox) or ppm, as well as pH, allowing improved management of the equipment and an excellent water quality at all times. The Pro-Chlore range can be manufactured, on request, for seawater (Pro Chlore Salt AM Series). To control more than one unit for the same pool you will need an AP PR-200 external control or Smart Control and the TRI multiple control kit (code 70338).

	Code	Pack. Standard	Weight kg Standard	Volume in m <sup>3</sup> Standard
Pro-Chlore Salt A-50EX	<b>35252</b>	1	55	0.17
Pro-Chlore Salt A-80EX	<b>35253</b>	1	65	0.19
Pro-Chlore Salt A-120EX	<b>35254</b>	1	100	0.36
Pro-Chlore Salt A-180EX	<b>35255</b>	1	120	0.36
Pro-Chlore Salt A-300EX	<b>35256</b>	1	140	0.36
Pro-Chlore Salt A-600EX	<b>35257</b>	1	200	0.74

External control option  
(AP PR 60359-60361-60362, Smart Control 54523-4-5)



Pro-Chlore Salt A-50EX + pH/ORP (EXT-1)	<b>35258</b>	1	55	0.17
Pro-Chlore Salt A-80EX + pH/ORP (EXT-1)	<b>35259</b>	1	65	0.19
Pro-Chlore Salt A-120EX + pH/ORP (EXT-1)	<b>35260</b>	1	100	0.36
Pro-Chlore Salt A-180EX + pH/ORP (EXT-1)	<b>35261</b>	1	120	0.36
Pro-Chlore Salt A-300EX + pH/ORP (EXT-1)	<b>35262</b>	1	140	0.36
Pro-Chlore Salt A-600EX + pH/ORP (EXT-1)	<b>35263</b>	1	200	0.74

Optional probe holder for EXT-1  
(EXT-1+57769=EXT-1E)

<b>57769</b>	1	-	-
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Pro-Chlore Salt A-50EX + pH/PPM (EXT-2)	<b>45836</b>	1	60	0.17
Pro-Chlore Salt A-80EX + pH/PPM (EXT-2)	<b>45837</b>	1	70	0.19
Pro-Chlore Salt A-120EX + pH/PPM (EXT-2)	<b>45838</b>	1	105	0.36
Pro-Chlore Salt A-180EX + pH/PPM (EXT-2)	<b>45839</b>	1	125	0.36
Pro-Chlore Salt A-300EX + pH/PPM (EXT-2)	<b>45840</b>	1	145	0.36
Pro-Chlore Salt A-600EX + pH/PPM (EXT-2)	<b>45841</b>	1	205	0.74

Probe holder included with EXT-2

### AM

Options for seawater (on request). Example: 45836-AM.



Optional:

Connection kit compatible with Fluidra Connect

<b>60363</b>	1	0.39	0.002
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Fluidra Connect  
compatible

	A-50	A-80	A-120	A-180	A-300	A-600	
<b>Power supply (AC)</b>	230 V / 50 - 60 Hz				380 V / 50 - 60 Hz		
<b>Power rating (AC) 30C 5g/l</b>	1.6 A	2.9 A	4.6 A	2.6 A	4.3 A	8.2 A	
<b>Cable:</b>	HO17 V/K						
<b>Input (AC)</b>	3 x 1.0 mm <sup>2</sup>	3 x 1.0 mm <sup>2</sup>	3 x 2.5 mm <sup>2</sup>	5 x 1.5 mm <sup>2</sup>	5 x 4 mm <sup>2</sup>	5 x 4.0 mm <sup>2</sup>	
<b>Output (DC)</b>	2 x 10 mm <sup>2</sup>	2 x 25 mm <sup>2</sup>	2 x 35 mm <sup>2</sup>	2 x 70 mm <sup>2</sup>	2 x 120 mm <sup>2</sup>	3 x 240 mm <sup>2</sup>	
<b>Pipe connection</b>	Female thread 1½"	Flanges D63 mm					
<b>Fuse</b>	5 AT (6 x 32 mm)	7 AT (6 x 32 mm)	10 AT (6 x 32 mm)	QM K10A	QM K20A	QM K25A	
<b>Outlet</b>	9 V / 25 A	10 V / 40 A	10 V / 60A	10 V / 90 A	10 V / 150 A	10 V / 300 A	
<b>Cooling</b>	Natural	Fan					
<b>Minimum flow rate</b>	9 m <sup>3</sup> /h	14 m <sup>3</sup> /h	20 m <sup>3</sup> /h	30 m <sup>3</sup> /h	50 m <sup>3</sup> /h	90 m <sup>3</sup> /h	
<b>Electrodes</b>	8	12	8	12	16	2 x 15	

## SALT ELECTROLYSIS AND PH/CL CONTROL



### Nature Salt

Nature Salt equipment has a sustainable cycle through the removal of chloramines, 2 g salt/litre operation and chemical-free treatment. SELF-CLEANING industrial salt electrolysis system for public pool applications of up to 300 g chlorine/hour. High-pressure TWINCELL SYSTEM fitted with quality Nature Salt electrodes. To control more than one unit for the same pool you will need an AP PR-200 external control or Smart Control and the TRI multiple control kit (code 70338).

	Code	Pack. Standard	Weight kg Standard	Volume in m <sup>3</sup> Standard
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Nature Salt 50EX/LS	<b>53810</b>	1	80	0.17
Nature Salt 80EX/LS	<b>53811</b>	1	90	0.19
Nature Salt 120EX/LS	<b>53812</b>	1	130	0.36
Nature Salt 180EX/LS	<b>53813</b>	1	145	0.36
Nature Salt 300EX/LS	<b>53814</b>	1	170	0.36

#### External control option

(AP PR 60359-60361-60362, Smart Control 54523-4-5)

Nature Salt 50EX/LS + pH/ORP (EXT-1)	<b>53815</b>	1	80	0.17
Nature Salt 80EX/LS + pH/ORP (EXT-1)	<b>53816</b>	1	90	0.19
Nature Salt 120EX/LS + pH/ORP (EXT-1)	<b>53817</b>	1	130	0.36
Nature Salt 180EX/LS + pH/ORP (EXT-1)	<b>53818</b>	1	145	0.36
Nature Salt 300EX/LS + pH/ORP (EXT-1)	<b>53819</b>	1	170	0.36

Optional probe holder for EXT-1  
(EXT-1+57769=EXT-1E)

Optional probe holder for EXT-1 (EXT-1+57769=EXT-1E)	<b>57769</b>	1	-	-
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Nature Salt 50EX/LS + pH/PPM (EXT-2)	<b>53820</b>	1	85	0.36
Nature Salt 80EX/LS + pH/PPM (EXT-2)	<b>53821</b>	1	95	0.36
Nature Salt 120EX/LS + pH/PPM (EXT-2)	<b>53822</b>	1	135	0.36
Nature Salt 180EX/LS + pH/PPM (EXT-2)	<b>53823</b>	1	150	0.74
Nature Salt 300EX/LS + pH/PPM (EXT-2)	<b>53824</b>	1	175	0.74

Probe holder included with EXT-2



Optional:  
Connection kit compatible with Fluidra Connect

<b>60363</b>	1	0.39	0.002
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Fluidra Connect  
compatible

### Self-cleaning electrodes

	Code	Pack. Standard	Weight kg Standard	Volume in m <sup>3</sup> Standard
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#### Pro-Chlore Salt Series

A-50EX/EXT-1/EXT-2	<b>60634</b>	1	-	-
A-80EX/EXT-1/EXT-2	<b>60636</b>	1	-	-
A-120EX/EXT-1/EXT-2	<b>60676</b>	1	-	-
A-180EX/EXT-1/EXT-2	<b>60677</b>	1	-	-
A-300EX/EXT-1/EXT-2	<b>60678</b>	1	-	-
A-600EX/EXT-1/EXT-2	<b>60679</b>	1	-	-

#### Nature Salt Series

A-50EX/LS/EXT-1/EXT-2	<b>60680</b>	1	-	-
A-80EX/LS/EXT-1/EXT-2	<b>60681</b>	1	-	-
A-120EX/LS/EXT-1/EXT-2	<b>60682</b>	1	-	-
A-180EX/LS/EXT-1/EXT-2	<b>60683</b>	1	-	-
A-300EX/LS/EXT-1/EXT-2	<b>60684</b>	1	-	-

#### Easy Salt Series

EASY SALT 70/EXT-1	<b>60685</b>	1	-	-
EASY SALT 90/EXT-1	<b>60686</b>	1	-	-
EASY SALT 180/EXT-1	<b>60687</b>	1	-	-

## UV AUTOMATIC DISINFECTION FOR RESIDENTIAL POOLS

**Neolysis**, the most advanced water treatment by AstralPool: + Sustainability + Innovation + Disinfection + Healthy.

**Advantages:**

- Water suitable for watering.
- Dual disinfection based on UV and electrolysis.
- Unbeatable water quality.

**Characteristics:**

- The ultimate in chloramine reduction capacity (UV LP + Electrolysis).
- UV LP HO lamps (13,000 h).
- Patented process.



### Neolysis S (6 g/L)

Standard salinity (S) salt chlorinator systems combined with UV lamps for private pool applications of up to 120 m<sup>3</sup>. Operation with standard salinity (4–6 grams per litre).

	Code	Pack. Standard	Weight kg Standard	Volume in m <sup>3</sup> Standard
AP NEO/S (6 Gr/l) 12 Gr/h + UV 48 W	<b>66126</b>	1	-	-
AP NEO/S (6 Gr/l) 24 Gr/h + UV 56 W	<b>66127</b>	1	-	-
AP NEO/S (6 Gr/l) 32 Gr/h + UV 56 W	<b>66128</b>	1	-	-
AP NEO/S (6 Gr/l) 12 Gr/h + UV 48 W + pH	<b>66129</b>	1	-	-
AP NEO/S (6 Gr/l) 24 Gr/h + UV 56 W + pH	<b>66130</b>	1	-	-
AP NEO/S (6 Gr/l) 32 Gr/h + UV 56 W + pH	<b>66138</b>	1	-	-
AP NEO/S (6 Gr/l) 12 Gr/h + UV 48 W + pH/ORP	<b>66139</b>	1	-	-
AP NEO/S (6 Gr/l) 24 Gr/h + UV 56 W + pH/ORP	<b>66140</b>	1	-	-
AP NEO/S (6 Gr/l) 32 Gr/h + UV 56 W + pH/ORP	<b>66141</b>	1	-	-
Optional: Compatible Fluidra Connect kit (without lamp control)	<b>60363</b>	1	0.39	0.002



Fluidra Connect  
compatible



### Neolysis LS (1.5 - 3.0 g/L)

No need to add any extra salt. Natural conductivity in the operating range of 1.5–3 g/l depending on the temperature (28–35 °C) and nominal output (80–100%).

	Code	Pack. Standard	Weight kg Standard	Volume in m <sup>3</sup> Standard
AP NEO 12 Gr/h + UV 48 W	<b>57744</b>	1	-	-
AP NEO 24 Gr/h + UV 56 W	<b>57745</b>	1	-	-
AP NEO 32 Gr/h + UV 56 W	<b>57746</b>	1	-	-
AP NEO 12 Gr/h + UV 48 W + pH	<b>57747</b>	1	-	-
AP NEO 24 Gr/h + UV 56 W + pH	<b>57748</b>	1	-	-
AP NEO 32 Gr/h + UV 56 W + pH	<b>57749</b>	1	-	-
AP NEO 12 Gr/h + UV 48 W + pH/ORP	<b>57750</b>	1	-	-
AP NEO 24 Gr/h + UV 56 W + pH/ORP	<b>57751</b>	1	-	-
AP NEO 32 Gr/h + UV 56 W + pH/ORP	<b>57752</b>	1	-	-
Optional: Compatible Fluidra Connect kit (without lamp control)	<b>60363</b>	1	0.39	0.002



Fluidra Connect  
compatible



Further information at  
[www.fluidraconnect.com](http://www.fluidraconnect.com)

See technical features, lights and Neolysis electrodes for public pools on page 481



## NEOLYSIS FOR PUBLIC POOLS

**Neolysis**, the most advanced water treatment by AstralPool: + Sustainability + Innovation + Disinfection + Healthy.

### Advantages:

- Unbeatable water quality.
- Dual disinfection based on UV and electrolysis.

### Characteristics:

- Two options: low salinity of 2–3 g/l (Neo LS) and standard salinity of 6 g/l (Neo S).
- The ultimate in chloramine reduction capacity (UV LP + Electrolysis).
- Self-cleaning electrodes that last 12,000–15,000 hours (NeoLS and Neo S).
- LP HO UV lamp (13,000 hours)
- Patented process.
- To control more than one unit for the same pool you will need an AP PR-200 external control or Smart Control and the TRI multiple control kit (code 70338).



### Neolysis S (5-6 g/L) + UV for public pools



**EXT-1 + 57769 = EXT-1E**



**Probe holder included in EXT-2**



Fluidra Connect compatible

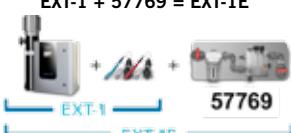
	Code	Pack. Standard	Weight kg Standard	Volume in m <sup>3</sup> Standard
AP NEO/S 50 Gr/h + UV 75 W	<b>66142</b>	1	-	-
AP NEO/S 80 Gr/h + UV 90 W	<b>66143</b>	1	-	-
AP NEO/S 120 Gr/h + UV 2 x 90 W	<b>66144</b>	1	-	-
AP NEO/S 180 Gr/h + UV 3 x 90 W	<b>68120</b>	1	-	-
AP NEO/S 300 Gr/h + UV 4 x 90 W	<b>68123</b>	1	-	-
External control option (AP PR 60359-60361-60362, Smart Control 54523-4-5)				
AP NEO/S 50 Gr/h + UV 75 W + pH/ORP (EXT-1)	<b>66145</b>	1	-	-
AP NEO/S 80 Gr/h + UV 90 W + pH/ORP (EXT-1)	<b>66146</b>	1	-	-
AP NEO/S 120 Gr/h + UV 2 x 90 W + pH/ORP (EXT-1)	<b>66147</b>	1	-	-
AP NEO/S 180 Gr/h + UV 3 x 90 W + pH/ORP (EXT-1)	<b>68121</b>	1	-	-
AP NEO/S 300 Gr/h + UV 4 x 90 W + pH/ORP (EXT-1)	<b>68124</b>	1	-	-
Optional probe holder for EXT-1	<b>57769</b>	1	-	-
AP NEO/S 50 Gr/h + UV 75 W + pH/PPM (EXT-2)	<b>66148</b>	1	-	-
AP NEO/S 80 Gr/h + UV 90 W + pH/PPM (EXT-2)	<b>66149</b>	1	-	-
AP NEO/S 120 Gr/h + UV 2 x 90 W + pH/PPM (EXT-2)	<b>66150</b>	1	-	-
AP NEO/S 180 Gr/h + UV 3 x 90 W + pH/PPM (EXT-2)	<b>68122</b>	1	-	-
AP NEO/S 300 Gr/h + UV 4 x 90 W + pH/PPM (EXT-2)	<b>68125</b>	1	-	-
Optional: Connection kit compatible with Fluidra Connect (without lamp control)	<b>60363</b>	1	0.39	0.002



### Neolysis LS (1.5-2 g/L) + UV for public pools



**EXT-1 + 57769 = EXT-1E**



**Probe holder included in EXT-2**



Fluidra Connect compatible

	Code	Pack. Standard	Weight kg Standard	Volume in m <sup>3</sup> Standard
AP NEO 50 Gr/h + UV 75 W	<b>57753</b>	1	-	-
AP NEO 80 Gr/h + UV 90 W	<b>57761</b>	1	-	-
AP NEO 120 Gr/h + UV 2 x 90 W	<b>57762</b>	1	-	-
AP NEO 180 Gr/h + UV 3 x 90 W	<b>68117</b>	1	-	-
External control option (AP PR 60359-60361-60362, Smart Control 54523-4-5)				
AP NEO 50 Gr/h + UV 75 W + pH/ORP (EXT-1)	<b>57763</b>	1	-	-
AP NEO 80 Gr/h + UV 90 W + pH/ORP (EXT-1)	<b>57764</b>	1	-	-
AP NEO 120 Gr/h + UV 2 x 90 W + pH/ORP (EXT-1)	<b>57765</b>	1	-	-
AP NEO 180 Gr/h + UV 3 x 90 W + pH/ORP (EXT-1)	<b>68118</b>	1	-	-
Optional probe holder for EXT-1	<b>57769</b>	1	-	-
AP NEO 50 Gr/h + UV 75 W + pH/PPM (EXT-2)	<b>57766</b>	1	-	-
AP NEO 80 Gr/h + UV 90 W + pH/PPM (EXT-2)	<b>57767</b>	1	-	-
AP NEO 120 Gr/h + UV 2 x 90 W + pH/PPM (EXT-2)	<b>57768</b>	1	-	-
AP NEO 180 Gr/h + UV 3 x 90 W + pH/PPM (EXT-2)	<b>68119</b>	1	-	-
Optional: Connection kit compatible with Fluidra Connect (without lamp control)	<b>60363</b>	1	0.39	0.002





## CONTROL UNITS



### Control Basic Plus

Small in size, it has been designed to prevent siphoning, require little maintenance, be easy to install and is protected from the spraying of chemical products. The device automatically measures and checks a pool's pH or redox.

**Supplied without sensors or calibration solutions. Installation kit included.**

- Plastic housing with IP-65 protection rating
- Backlit LCD display comprising 2 lines and 16 characters.
- Self-calibration of electrodes.
- Quality control of electrodes.
- Dosing pause during alarms and notification by a blinking LED.
- Proportional dosing.
- Adjustable set point.
- Flow rate: 1,5 l/h or 5 l/h.
- Back pressure: 1.5 bar.
- pH measurement range: 0.00 to 14.00.
- Redox measurement range: -999 to + 999 mV.
- Switch.
- Alarm relay.
- Minimum chemical product level input.
- PT100 temperature input (optional sensor).



Fluidra Connect compatible

See the probes and the installation kit on page 227

	Code	Pack. Standard	Weight kg Standard	Volume in m <sup>3</sup> Standard
Control Basic 1,5 l/h	<b>66159</b>	1	2.2	0.01
Control Basic 5,0 l/h	<b>66160</b>	1	2.2	0.01
pH electrode with calibration solutions	<b>36004</b>	1	0.4	0.001
Redox electrode with calibration solutions	<b>36005</b>	1	0.3	0.001
Optional:				
PT100 sensor	<b>66758</b>	1	-	-
Flange for PT100	<b>66759</b>	1	-	-



### Redox Basic EV Plus

Small in size, it has been designed to prevent siphoning, require little maintenance, be easy to install and is protected from the spraying of chemical products. The device automatically measures and checks a pool's pH or redox. Recommended for use with Sel Pure, Sel Basic, Smart and Smart+ pH.

**Supplied without sensors or calibration solutions. Installation kit included.**

- Plastic housing with IP-65 protection rating
- Backlit LCD display comprising 2 lines and 16 characters.
- Self-calibration of electrodes.
- Quality control of electrodes.
- Dosing pause during alarms and notification by a blinking LED.
- Proportional dosing.
- Adjustable set point.
- Redox measurement range: -999 to + 999 mV.
- Switch.
- Alarm relay.
- Output relay for external component.
- Minimum chemical product level input.
- PT100 temperature input (optional sensor).



Fluidra Connect compatible

See the probes and the installation kit on page 227

	Code	Pack. Standard	Weight kg Standard	Volume in m <sup>3</sup> Standard
Redox Basic EV Sensor not included	<b>66161</b>	1	2.1	0.01
Redox electrode with calibration solutions	<b>36005</b>	1	0.3	0.001
Optional:				
PT100 sensor	<b>66758</b>	1	-	-
Flange for PT100	<b>66759</b>	1	-	-

## CONTROL UNITS



Fluidra Connect  
compatible

### Dual pH-EV Basic Control Plus

The DUAL pH-EV BASIC CONTROL dosing device has been specifically designed for automatically controlling pH and redox (ORP) levels.

It is a must in home spas and pools. It can work with a salt chlorinator or chlorine tablets, as it has relay output for enabling the chlorinator, in addition to controlling a pool's pH levels through a peristaltic pump.

It is the most simple control and dosing device in the market. Small in size, it has all of the components required for immediate installation.

Depending on the device that has been connected, the control function can be set to the ON-OFF setting or proportional setting (ideal for solenoid valves).

#### General technical features

- Automatic pH or redox control and dosing system.
- Measurement range of 0–14 (pH) and 0–100 mV (redox).
- It comes with a full installation kit, made up of a pH electrode, a probe holder, standard solutions, suction and blow pipes, and suction and blow pipe fittings.
- ABS casing with IP65 protection rating.
- Digital screen that gives pH, redox (ORP) and temperature (optional Pt100) readings.
- Remote on-off input (230 VAC) that keeps display lit up for calibration and programming.
- Chemical product level inlet.
- Alarm relay.

	Code	Pack. Standard	Weight kg Standard	Volume in m <sup>3</sup> Standard
--	------	-------------------	-----------------------	--------------------------------------

Dual pH-EV Basic Control 1.5 l/h  
compatible with Fluidra Connect  
(includes probes)

**66180**      1      -      -



### OPTIMA PLUS dosing pump with pH or redox tester

OPTIMA dosing pump with built-in pH/Redox control. pH/Redox instrument.

Automatic calibration: Calibration by simply pressing a button, with the possibility of controlling the level of probe efficiency.

#### Features:

- Power supply from 90 to 265 VAC 50/60 Hz.
- Manual temperature adjustment for pH or optional automatic adjustment with PT100.
- 4–20 mA for recording images and transmitting the average value.
- Level alert that disconnects the pump or a standard product failure alert from the alarm relay.
- Programmable setpoint deviation alert for the whole range of measurement.
- Dosing delay time for preventing the dosing pump from injecting products in the event of probe malfunction.
- Limited dosing pump flow rate to prevent accidental overdosing.
- Data programmed protected by password.
- Alarms may be connected.

	Code	Pack. Standard	Weight kg Standard	Volume in m <sup>3</sup> Standard
--	------	-------------------	-----------------------	--------------------------------------

**Type C** Optima Redox/pH  
control dosing pump  
(10 bar and 5 l/h and 5 bar and 10 l/h)

**66179**      1      4.5      0.01

#### Optional:

PT100 sensor  
Flange for PT100

**66758**      -      -      -  
**66759**      -      -      -

**Probe not included.  
Electrode holder not  
included (code 01306)**



Further information at  
[www.fluidraconnect.com](http://www.fluidraconnect.com)

## CONTROL UNITS



New

## Control Connect: The smart multi-setting controller



A range of multi-setting control panels with colour touchscreen. Easy and efficient control of water sanitation. Fully automated pool water treatment.

- Multi-function TFT colour touchscreen.
- 4 programmable timer relays and 4 digital inputs
- Free Poolstation app (Ethernet as standard)
- Modbus as standard.

	Code	Pack. Standard	Weight kg Standard	Volume in m <sup>3</sup> Standard	
pH / ORP / Temp. with in-line probe holder	<b>71537</b>	1	5.85	-	
pH / ORP / Temp. with panel probe holder	<b>71538</b>	1	6.85	-	
pH / Cl (ppm) Temp. with panel probe holder	<b>71539</b>	1	6.85	-	



71537



71538



71539



Further information at  
[www.fluidraconnect.com](http://www.fluidraconnect.com)

## CONTROL UNITS



60359

### AP PR-200 - Compatible Electrolysis



The expert's choice for dosing control. The built-in panels based on Series AP PR controllers provide the best solution for the plug & play devices pre-assembled on the panel. There are several versions for the control of the water's pH, ORP and FREE CHLORINE levels.

AP PR-200 equipment is compatible with the Easy Salt, ProChlore Salt and Neolysis ranges

This is also the recommended solution for experts whenever several chlorination systems must be controlled at the same time from a single control and regulation panel (multiple control through the TIP kit).



60361

	Code	Pack. Standard	Weight kg Standard	Volume in m <sup>3</sup> Standard
AP PR-206 pH/ORP	<b>60359</b>	1	-	-
AP PR-207 pH/Cl2 PPM*	<b>60361</b>	1	-	-
AP PR-204 Cl2 PPM*	<b>60362</b>	1	-	-
AP PR-204 pH/ORP + integrated TRI KIT*	<b>60359-KIT TRI</b>	1	-	-
AP PR-207 pH/Cl2 PPM + integrated TRI KIT*	<b>60361-KIT TRI</b>	1	-	-
AP PR-204 Cl2 PPM + integrated TRI KIT*	<b>60362-KIT TRI</b>	1	-	-
ECC1S Electrolyte / free chlorine sensor gel (seawater)	<b>64658</b>	1	-	-
Optional: TRI kit, 3-unit simultaneous control	<b>70338</b>	1	-	-

60362

AP PR-206 pH/ORP

**60359**

1

-

-

AP PR-207 pH/Cl2 PPM\*

**60361**

1

-

-

AP PR-204 Cl2 PPM\*

**60362**

1

-

-

AP PR-204 pH/ORP + integrated TRI KIT\*

**60359-KIT TRI**

1

-

-

AP PR-207 pH/Cl2 PPM + integrated TRI KIT\*

**60361-KIT TRI**

1

-

-

AP PR-204 Cl2 PPM + integrated TRI KIT\*

**60362-KIT TRI**

1

-

-

ECC1S Electrolyte / free chlorine sensor gel (seawater)

**64658**

1

-

-

Optional: TRI kit, 3-unit simultaneous control

**70338**

1

-

-



Fluidra Connect  
compatible

\* Models with Cl2 ppm: seawater can be used by substituting the gel electrolyte supplied with the standard unit for the gel electrolyte specifically for seawater (code 64658), which must be ordered separately.



### Controller



The panels in the CONTROLLER range are fully equipped and assembled systems, which are ideal for a number of water treatment applications. Their simple, compact design makes them extremely easy to install and start up.

They come with all of the components and accessories required for rapid assembly. All assemblies are made of PVC sheets, in various sizes depending on the model.

#### General technical features

- Range of available sizes depending of the probe selected.
- Range available for free chlorine: 0-2, 0-5 0-10, 0-20 and 0-200 ppm.
- pH range: 0-14. ORP range: +/-1,500 mV. Temperature range: 0-50 °C).
- Measurement of stable chlorine with low pH dependence.
- Self-calibration of all sizes.
- Alarm signal if water flow is insufficient.
- Instrument with IP65 protection rating.
- 250 V-10 A relays for connecting dosing pumps or salt chlorinators.
- 4-20 mA analogue outlets with repeat signal or manifold for proportional pumps.
- Power supply: 230 V / 50 Hz.
- Setpoints and programmable alarms.
- Pump pause function during calibration and for stopping flow.
- Temperature readings and readjustment (automatic with option PT100 probe).
- Three types of setpoint settings. On/Off, Proportional in Time and Proportional by Pulses.
- RS485 communications port.

#### Components included in the assembly:

- Methacrylate probe holder, with flow regulator, sample taking valve and flow sensor.
- Filter holder and 80 micron filter cartridge for water inlet.
- DPD calibration standard solutions.
- Assembly accessories, and instruction and installation manual.
- Sensors depending on version.

	Code	Pack. Standard	Weight kg Standard	Volume in m <sup>3</sup> Standard
Controller pH / Redox	<b>66178</b>	1	-	-
Controller pH / Free Chlorine	<b>66177</b>	1	-	-
Controller pH / ORP / Free Chlorine	<b>66176</b>	1	-	-
Controller Free Chlorine	<b>66175</b>	1	-	-
pH/Amperometric-free chlorine sensor	<b>66168</b>	1	-	-
pH/ORP/Amperometric free chlorine sensor	<b>66169</b>	1	-	-
Controller pH / ORP / Free Chlorine / Total amperometric chlorine	<b>66170</b>	1	-	-



## LED LIGHTING



### LumiPlus LED

The LumiPlus LED lighting system provides ambient lighting in any colour you want at any given time for your pool or water feature.

Comprises the LumiPlus projector, a LumiPlus modulator, a Fluidra Connect compatible module and a transformer that are supplied separately.

The LEDs have a service life of 100,000 hours as opposed to 1,000 hours for conventional lamps and each LED spotlight saves upwards of 90% in power consumption.

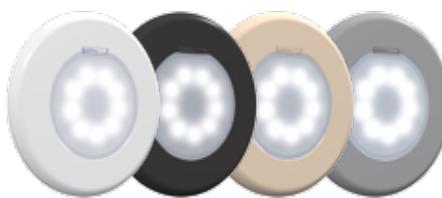
The spotlights are fitted with red, green and blue LEDs of unbeatable brightness. The combination of these basic colours is able to emit and infinity of different colour high in luminosity and brightness.



*Fluidra Connect  
compatible*

	Code	Pack. Standard	Weight kg Standard	Volume in m <sup>3</sup> Standard
Compatible Fluidra Connect module	<b>57434</b>	1	-	-
LumiPlus RGB + modulator				
Compatible Fluidra Connect module	<b>57435</b>	1	-	-

### LED lighting ranges compatible with the modulator



V2 and V1 LumiPlus  
FlexiNiche RGB projector



V2 and V1 LumiPlus FlexiSlim  
RGB projector



V2 and V1 LumiPlus  
FlexiRapid RGB projector



LumiPlus Design RGB



LumiPlus Mini V2 RGB



LumiPlus Mini V3 RGB



LumiPlus Micro RGB



Further information at  
[www.fluidraconnect.com](http://www.fluidraconnect.com)

**AIR/WATER HEAT PUMPS, FOR OUTDOOR INSTALLATION**

Fluidra Connect compatible

AstralPool Toolbox app for iOS and Android

Web

Heat pump configurator:  
[www.astralpool.com](http://www.astralpool.com) ->  
 Calculation tools

**AstralPool Heat 3**

New

A heat pump for outdoor pools. It comes with inverter technology and is Fluidra Connect-compatible. It has been specially designed to obtain good performance in harsher climates. In addition, it runs in power-saving mode to achieve better energy efficiency, makes less noise than other heat pumps and can be used all year around.

**Technical features:**

- **Inverter technology**, which automatically changes the power setting so that the heat pump runs at optimum efficiency levels.
- **Fluidra Connect-compatible** through a Modbus connection to the Fluidra Connect platform.
- **A soft starter** prevents current surges when the compressor starts up.
- **Lowest outdoor air working temperature of -20 °C**, designed to work in cold climates.
- The reverse cycle defrosting system makes defrosting faster.
- Heating and cooling modes, thanks to the four-way valve.
- Electronic expansion valve for enhanced COP performance.
- R-32 refrigerant gas, free of agents that damage the ozone layer.
- ABS plastic housing, which prevents corrosion.
- Titanium exchanger with twisted tube for enhanced performance.
- High- and low-pressure flow meter and pressure switch.
- Modbus-compatible.
- Touchscreen.

**Accessories included:** Winter cover, anti-vibration brackets, drainage connection, screen watertight box, 10m screen connection cable, hydraulic connection fittings and Modbus signal cable.

	Code	Pack. Standard	Weight kg Standard	Volume in m <sup>3</sup> Standard
AstralPool Heat 3 - 14	<b>68837</b>	1	70	-
AstralPool Heat 3 - 17	<b>68838</b>	1	75	-
AstralPool Heat 3 - 21	<b>68839</b>	1	92	-
AstralPool Heat 3 - 26	<b>68840</b>	1	111	-

**TECHNICAL FEATURES**

MODELS		14kW	17kW	21kW	26kW
CODES		68837	68838	68839	68840
VOLTAGE		220~240V /50Hz or 60Hz/1PH			
RATED CURRENT	V	8,1	9,8	12,0	16,0
RECOMMENDED POOL VOLUME (WITH COVER)	m <sup>3</sup>	18-66	28-86	58-122	68-135
NOMINAL FLOW	m <sup>3</sup> /h	4,0	5,0	6,0	8,0
PRESSURE LOSS DROP	Kpa	14	15	18	20
NUMBER OF FANS			1		
NOISE LEVEL (1M)	dB(A)	40-54	41-56	41-56	42-60
AIR TEMP. 28° HUMIDITY 80%	POWER	kW	13-3	15.5-3.2	20.5-4.6
	CONSUMPTION	kW	1.49-0.19	2.28-0.21	3.05-0.29
	COP		16-6.7	15.4-6.8	16-6.7
AIR TEMP. 15° WATER TEMP. 26° HUMIDITY 70%	POWER	kW	9.6-2	11.3-2	14-3
	CONSUMPTION	kW	1.84-0.26	2.22-0.31	2.7-0.36
	COP		8.0-5.2	6.6-5.1	8.2-5.1
NET WEIGHT	kg	70	75	92	111
SIZE	mm	820*695*830		950*900*1025	

## AIR/WATER HEAT PUMPS, FOR OUTDOOR INSTALLATION

AstralPool  
Toolbox app for  
iOS and Android

**Web**  
**Heat pump configurator:**  
[www.astralpool.com](http://www.astralpool.com) ->  
 Calculation tools

## Pro Elyo Inverboost NN



A heat pump with an "A" energy rating for outdoor pools. It comes with inverter technology and is Fluidra Connect-compatible. It has been specially designed to obtain good performance in harsher climates. In addition, it runs in power-saving mode to achieve better energy efficiency, makes less noise than other heat pumps and can be used all year around.

**Technical features:**

- **"A" energy rating**, which can make savings of up to 33%.
- **Inverter technology**, which automatically changes the power setting so that the heat pump runs at optimum efficiency levels.
- **Fluidra Connect-compatible** through a Modbus connection to the Fluidra Connect platform.
- **A soft starter** prevents current surges when the compressor starts up.
- **Lowest outdoor air working temperature of -20 °C**, designed to work in cold climates.
- The reverse cycle defrosting system makes defrosting faster.
- Heating and cooling modes, thanks to the four-way valve.
- Electronic expansion valve for enhanced COP performance.
- R-410a refrigerant gas, free of agents that damage the ozone layer.
- ABS plastic housing, which prevents corrosion.
- Titanium exchanger with twisted tube for enhanced performance.
- High- and low-pressure flow meter and pressure switch.
- Modbus-compatible.

**Accessories included:** Winter cover, anti-vibration brackets, drainage connection, screen watertight box, 10m screen connection cable, hydraulic connection fittings and Modbus signal cable.

	Code	Pack. Standard	Weight kg Standard	Volume in m <sup>3</sup> Standard
Pro Elyo Inverboost NN 7 kw	<b>71676</b>	1	54	-
Pro Elyo Inverboost NN 11 kw	<b>71678</b>	1	68	-
Pro Elyo Inverboost NN 14 kw	<b>71679</b>	1	73	-
Pro Elyo Inverboost NN 16 kw	<b>71680</b>	1	78	-
Pro Elyo Inverboost NN 20 kw	<b>71681</b>	1	98	-
Pro Elyo Inverboost NN 26 kw	<b>71682</b>	1	117	-
Pro Elyo Inverboost NN 26 kw T	<b>68821</b>	1	120	-
Pro Elyo Inverboost NN 35 kw T	<b>68823</b>	1	130	-

TECHNICAL FEATURES								
MODELS		7 kW	11 kW	14 kW	16 kW	20 kW	26 kW	26 kW T
CODES		71676	71678	71679	71680	71681	71682	68821
VOLTAGE		V	220~240V/50Hz or 60Hz/1PH					380V/50Hz or 60Hz /3PH
REFRIGERANT GAS			R32					R410A
RATED CURRENT		A	4.6	7.2	9.2	10.5	13.2	17.0
RECOMMENDED POOL VOLUME (WITH COVER)		m <sup>3</sup>	46296	16-60	18-66	28-85	58-120	65-132
NOMINAL FLOW		m <sup>3</sup> /h	2.5	3.7	4.0	5.0	6.0	8.0
PRESSURE LOSS DROP		Kpa	12	14	15	15	18	20
NUMBER OF FANS			1					2
NOISE LEVEL (1M)		dB(A)	38-51	40-52	40-54	40-54	41-56	42-60
AIR TEMP. 28° HUMIDITY 80%	POWER	kW	7-3.1	11-2.9	14-3.2	16-3.8	20-4.7	26-5.9
	CONSUMPTION	kW	1.04-0.21	1.64-0.18	2.09-0.2	2.39-0.24	2.99-0.29	3.88-0.37
	COP		15-6.7	16-6.7	16-6.7	16-6.7	16-6.7	16-6.7
AIR TEMP. 15° HUMIDITY 70%	POWER	kW	4.7-2.5	7.9-2	9.5-2.3	11.2-3	14-3.9	18-5.4
	CONSUMPTION	kW	0.94-0.32	1.58-0.25	1.9-0.29	2.24-0.38	2.8-0.49	3.6-0.68
	COP		7.9-5	8.0-5	8.0-5	8.2-5	8.2-5	8.2-5.2
NET WEIGHT		kg	56	73	78	98	117	128
SIZE		mm	1008*380*577	1050*440*709		1050*450*870	1050*452*1295	1050*460*1285

## AIR/WATER HEAT PUMPS, FOR OUTDOOR INSTALLATION



Evoline NN



Air/water heat pump to heat your pool in the cheapest possible way. Private pools up to 80 m<sup>3</sup>. This technology makes it possible to extend the swimming season to enjoy your pool more months of the year. Its ability to extract air energy means it can obtain up to 5 times the energy it consumes, delivering low consumption and making it more environmentally friendly.

- The heat pump with the best quality/price ratio in the market.
- Soft starter included in higher outputs.
- EVOLine is especially designed for the climates where it will be used, ensuring great energy savings for low temperatures.
- The greater the EOM, the bigger the energy saving and the lower the energy costs. EVOLine pumps have oversized parts such as: Evaporator and Titanium A1 two coil exchanger.
- Electrical resistance on bottom tray to prevent ice from forming on the base of the unit
- Reverse cycle defrosting.
- R410A refrigerant.
- Minimum air working temperature 0°C.
- Heat and cold regulation to keep temperature steady.
- ABS housing.
- Digital control, leak-tight control box.
- High and low pressure switch.
- Winter cover included.
- Modbus-compatible.



Fluidra Connect compatible



EVOLine app for iOS and Android



AstralPool Toolbox app for iOS and Android

## Web

Heat pump configurator:  
[www.astralpool.com](http://www.astralpool.com) ->  
 Calculation tools

Code	Pack. Standard	Weight kg Standard	Volume in m <sup>3</sup> Standard
66069-MOB	1	33	-
66070-MOB	1	48	-
66071-MOB	1	55	-
66072-MOB	1	60	-
67405-MOB	1	68	-
66073-MOB	1	91	-
66074-MOB	1	99	-
66074M-MOB	1	99	-
66075-MOB	1	120	-

## TECHNICAL FEATURES

MODELS		EVOLINE 6	EVOLINE 10	EVOLINE 13	EVOLINE 15	EVOLINE 17	EVOLINE 20	EVOLINE 25M	EVOLINE 25	EVOLINE 35
CODES		66069-MOB	66070-MOB	66071-MOB	66072-MOB	67405-MOB	66073-MOB	66074M-MOB	66074-MOB	66075-MOB
INPUT	kW	1	1,6	1,8	2,1	2,5	3,5	3,7	4,2	6
NOM. ABSORBED INTENSITY	A	4,5	7,3	8,2	9,5	11,4	15,9	16,8	7,1	10,1
VOLTAGE	V/Ph/Hz	220-240V / 1 Ph / 50 Hz						380V / 3 Ph / 50 Hz		
CONTROL		LED/LCD								
NUMBER OF FANS		1								2
SOUND LEVEL	dB(A)	≤50	≤53	≤54	≤54	≤56	≤56	≤56	≤56	≤57
WATER CONNECTION	Inch	1.5								
MIN. WATER FLOW RATE	m <sup>3</sup> /h	1,3	2,2	2,7	3,6	3,6	4,9	6	6	13
MAX. POOL VOLUME	m <sup>3</sup>	12	19	24	30	35	45	66	56	80
MIN. POOL VOLUME	m <sup>3</sup>	5	15	17	19	20	27	35	35	52
AIR T.: 24° C WATER T.: 26 °C	POWER	kW	4,8	8,2	9,4	11,6	12,9	17,2	23,5	22,5
AIR T.: 15 °C WATER T.: 26 °C	POWER	kW	3,6	6,2	7,1	8,7	9,7	12,9	17,9	16,9
AIR T.: 5° C WATER T.: 26 °C	POWER	kW	2,5	4,2	4,6	5,6	6,6	9,1	9,7	10,8
	COP		2,7	2,7	2,8	2,9	2,7	2,6	3,6	2,9
 <b>DIMENSIONS</b>		A (mm)	778	938	1015	1015	1080	1080	1078	1078
		B (mm)	293	360	370	370	416	416	416	416
		C (mm)	511	581	621	621	708	708	958	958
<b>NET WEIGHT</b>		kg	33	48	55	60	68	91	99	99
<b>GROSS WEIGHT</b>		kg	38	56	62	67	80	104	114	136



## AIR/WATER HEAT PUMPS, FOR OUTDOOR INSTALLATION

### ProHeat II

- Robust, lightweight casing made from corrosion-resistant magnesium coated aluminium.
- High performance evaporator battery in an inner corrugated copper tube with lacquered aluminium fins, especially for corrosive environments.
- Axial ventilator.
- Scroll compressor.
- Water condensers in G2 titanium. Guaranteed against corrosion.
- R-410A refrigerant gas.
- Expansion via thermostatic valve, with external balancing unit.
- High and low pressure switches.
- Flowmeter for controlling the water flow rate.
- Reverse cycle defrosting with 4-way valve.
- Control of purifying system.
- Electrical protection for handling and strength.
- Easy-to-use control panel with current temperature display and set point, and alarm notifications. Communication protocols are available.
- Chiller model for possibility of cooling water in periods of high air temperature.
- Indoor model for installing the equipment in a plant room with air conductors.



Fluidra Connect compatible



AstralPool Toolbox app for iOS and Android

#### Web

Heat pump configurator:  
[www.astralpool.com](http://www.astralpool.com) ->  
Calculation tools

### TECHNICAL SPECIFICATIONS

	MODELS	PROHEAT II 35	PROHEAT II 45	PROHEAT II 60	PROHEAT II 90	PROHEAT II 120
Code	Standard	65542-MOB	65543-MOB	65544-MOB	65545-MOB	65546-MOB
	Chiller	68245-MOB	68246-MOB	68247-MOB	68248-MOB	68249-MOB
	Indoor	69649-MOB	69650-MOB	69651-MOB	69652-MOB	69653-MOB
Voltage	V/Ph/Hz			400/50/3+N		
WATER CONDENSER				TITANIUM		
COMPRESSOR				SCROLL		
REFRIGERANT				R410-A		
REFRIGERANT GAS CHARGE	kg	4	6	9	2 x 6,5	2 x 9
WATER FLOW RATE	m <sup>3</sup> /h	12-15	15-25	25-35	30-50	50-70
Ø WATER CONNECTION	mm	63	63	75	75	75
SOUND LEVEL	dba (d*)	66,20	66,20	72,53	71,14	71,14
	dba (5 m)	60,85	60,85	68,42	69,39	69,39
25°C T° AIR 26°C T° WATER	INPUT POWER	kW	6,40	8,20	11,90	17,00
	OUTPUT POWER	kW	36,20	44,40	63,50	91,30
	COP		5,66	5,41	5,34	5,37
15°C T° AIR 26°C T° WATER	INPUT POWER	kW	6,20	8,10	11,50	16,80
	OUTPUT POWER	kW	30,53	39,70	56,80	80,20
	COP		4,92	4,90	4,94	4,77
5°C T° AIR 26°C T° WATER	INPUT POWER	kW	6,00	7,90	10,70	16,20
	OUTPUT POWER	kW	23,20	30,00	41,30	61,00
	COP		3,87	3,80	3,86	3,77
<b>CHILLER MODE</b>						
30°C AIR TEM- PERATURE 26°C WATER TEMPERATURE	INPUT POWER	kW	7,00	8,40	12,00	17,30
	OUTPUT POWER	kW	42,25	51,00	72,00	104,00
	EER		6,04	6,07	6,00	6,01
43°C AIR TEM- PERATURE 32°C WATER TEMPERATURE	INPUT POWER	kW	9,44	11,86	15,60	24,50
	OUTPUT POWER	kW	29,10	37,00	49,50	74,00
	EER		3,08	3,12	3,17	3,02
<b>STANDARD AND CHILLER MODELS</b>						
	Size					
	A (mm)		1000	1000	1700	2100
	B (mm)		950	950	1200	1200
	C (mm)		1140	1140	1200	1500
<b>NET WEIGHT</b>		kg	185	210	287	447
						500

NOTE: d\* = As per UNE-EN 12102/ISO 3744:2010.

## HEAT EXCHANGERS



Compact ElectricHeat: New versions in Titanium and compatible Fluidra Connect

**EXTERNALLY:**

- New linear configuration that offers ease of installation.
- New, more compact and simpler “all in” design. Simple and elegant lines.
- New, clearer and simpler user interface, now with touch sensors and next-generation OLED display.
- More information for the user in a more intuitive fashion.
- New electrical connection system, simpler and faster.

**INTERNAL:**

- Simplicity of components: the internal components have been simplified and reduced.
- Replaceable parts: now the internal components are easy to access and replace.
- New electronic control, more accurate and secure.
- New software & hardware capable of detecting faults in plant and equipment.
- New electric actuation, without moving parts, more reliability and noiseless.
- Standard model with Incoloy resistance, Titanium model with resistances in titanium.
- Model specifically for Fluidra Connect.

	Code	Pack. Standard	Weight kg Standard	Volume in m <sup>3</sup> Standard
COMPACT 3 Titanium	65321	1	-	-
COMPACT 6 Titanium	65322	1	-	-
COMPACT 9 Titanium	65323	1	-	-
COMPACT 12 Titanium	65324	1	-	-
COMPACT 18 Titanium	65325	1	-	-



Fluidra Connect  
compatible

Titanium models only

TECHNICAL FEATURES						
MODELS		COMPACT 3	COMPACT 6	COMPACT 9	COMPACT-12	COMPACT-18
CODE		65321	65322	65323	65324	65325
POWER	W	3.000	6.000	9.000	12.000	18.000
ELECTRICAL SUPPLY	V/Ph/Hz	230/2/50-60 or 400/4/50-60	230/2/50-60 or 400/4/50-60	230/2/50-60 or 400/4/50-60	400/4/50-60	400/4/50-60
MIN. WATER FLOW RATE	m <sup>3</sup> /h			2,4		
MAX. WATER FLOW RATE	m <sup>3</sup> /h			15		
SERVICE PRESSURE	bar			2		
MAX. PRESSURE	bar			3		
O WATER CONNECTION	mm			50/63		
MAX. ABSORBED INTENSITY (AMP)	220/2/50	14	27	41	-	-
	380/4/50	5	9	14	18	27
GROSS WEIGHT	kg			4,80		
NET WEIGHT	kg			4,20		

In the case of 230/4/50-60  
see the special code

## FLUIDRA CONNECT ACCESSORIES

## Fluidra Connect accessories

	Code	Pack. Standard	Weight kg Standard	Volume in m <sup>3</sup> Standard
230 VAC opto-isolator	<b>66395</b>	-	-	-
24 VAC opto-isolator	<b>66396</b>	-	-	-
Switch - 5 ports	<b>66390*</b>	-	-	-
Power Line Communications - 2 ports	<b>66391*</b>	-	-	-
Indoor Wi-Fi access point	<b>66392*</b>	-	-	-
Outdoor router	<b>66393*</b>	-	-	-
Portable router	<b>66394*</b>	-	-	-
3G router (requires SIM card)	<b>67297*</b>	-	-	-
3G router for DIN rail (requires SIM card)	<b>67298*</b>	-	-	-
SEM1 single-phase meter with transformer	<b>68441</b>	-	-	-
SEM3 single-phase meter with 3 transformers	<b>68442</b>	-	-	-
Bridge Modbus TCP/RTU	<b>68168</b>	-	-	-
Modbus temperature probe kit	<b>69682</b>	-	-	-

\* While stocks last



66395 - 66396



66390



66391



66392



66393



66394



67297



68441-68442



68168



# POOL SURROUND EQUIPMENT

- 68 • Pool access - Elegance ladders
- 69 • Pool access - Wall model ladders
- 70 • Pool access - Standard model ladders
- 71 • Pool access - Mixed model ladders
- 72 • Pool access - Asymmetrical and easy access ladders
- 73 • Pool access - Exit grab rails and lower end
- 75 • Pool access - Accessories, anchoring fixtures and grips
- 77 • Diving boards and trampolines
- 78 • Platforms
- 78 • Slides
- 80 • Pluvium showers
- 81 • Iguazu showers
- 82 • Showers - Solar showers
- 84 • Showers - Knob valves
- 85 • Showers - Showers with timers
- 86 • Showers - Accessories
- 86 • Showers - Shower trays
- 87 • AstralPool Bike
- 87 • Ornamental water features - Cannons and waterfalls
- 90 • Grilles for overflow



Further information in **PRODUCTS**  
www.astralpool.com

## POOL ACCESS - ELEGANCE LADDERS



### Elegance ladders

These sleek, stylish ladders with handrails have been designed to make it easy to get into a pool. Made of AISI 316 stainless steel with two anchoring points, the first step is double the standard size in a non-slip material for the greater safety and convenience of swimmers. Comes with 3 or 4 steps. 3-year warranty.



Complies with Standard  
**EN 16582-1:2015**



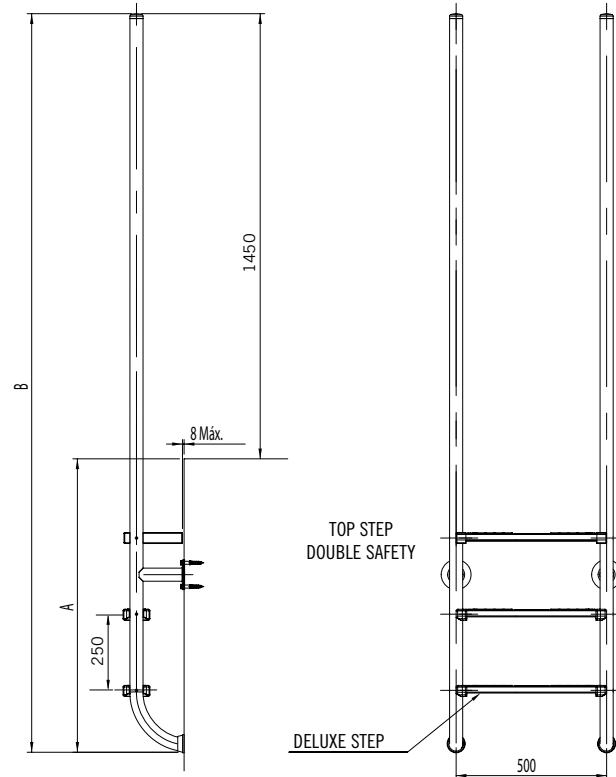
#### Elegance ladders

2 steps + 1 safety step  
3 steps + 1 safety step

	Code	Pack. Standard	Weight kg Standard	Volume in m <sup>3</sup> Standard
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45782	1	14	0.089
45783	1	15	0.089

Code	Steps	A	B
45782	<b>2 + 1 safety</b>	960	2410
45783	<b>3 + 1 safety</b>	1220	2670

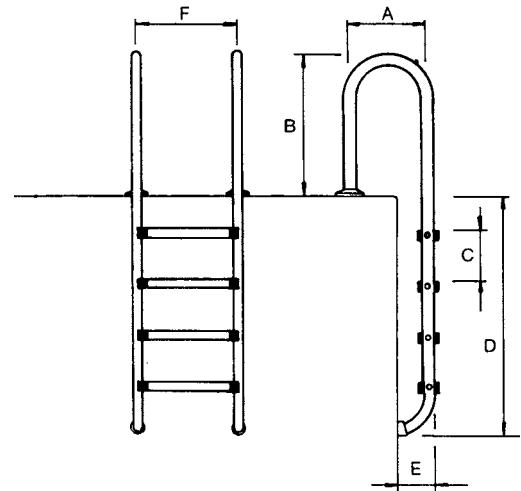


## POOL ACCESS - WALL MODEL LADDERS



Complies with Standard  
**EN 16582-1:2015**

Steps	A	B	C	D	E	F
<b>2</b>	318	620	260	700	148	500
<b>3</b>	318	620	260	960	148	500
<b>4</b>	318	620	260	1220	148	500
<b>5</b>	318	620	260	1480	148	500



### Wall model ladder with Luxe model steps

Rails & steps in AISI-316.



- 2 steps ladder
- 3 steps ladder
- 4 steps ladder
- 5 steps ladder

Code	Pack. Standard	Weight kg Standard	Volume in m <sup>3</sup> Standard
<b>05480</b>	1	9.0	0.05
<b>05481</b>	1	10.5	0.06
<b>05482</b>	1	12.4	0.06
<b>05483</b>	1	13.7	0.07

### Wall model ladder with Standard model steps

Rails & steps in AISI-304.



- 2 steps ladder
- 3 steps ladder
- 4 steps ladder
- 5 steps ladder

Code	Pack. Standard	Weight kg Standard	Volume in m <sup>3</sup> Standard
<b>05492</b>	1	9.0	0.05
<b>05493</b>	1	12.7	0.06
<b>05494</b>	1	14.8	0.06
<b>05495</b>	1	13.6	0.07



Further information in **PRODUCTS**  
www.astralpool.com

## POOL ACCESS - STANDARD MODEL LADDERS

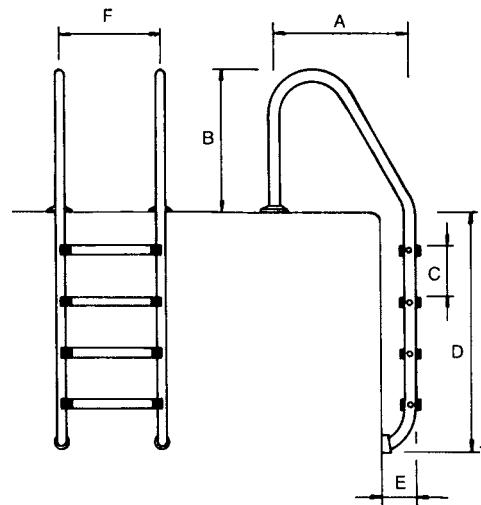


Complies with Standard  
**EN 16582-1:2015**

Optional: American measures  
without anchor point and  
optional plastic step.

In-ground pool ladder. Stainless steel Ø 43 mm pipe handrail. Stainless steel steps. Special non-slip design ensures safety. Supplied with anchoring fixtures for connection to an equipotential outlet. Trimmed faceplate.

Steps	A	B	C	D	E	F
<b>2</b>	618	620	260	700	148	500
<b>3</b>	618	620	260	960	148	500
<b>4</b>	618	620	260	1220	148	500
<b>5</b>	618	620	260	1480	148	500



### Standard handrail ladder with Luxe model step

Rails & steps in AISI-316.

- 2 steps ladder
- 3 steps ladder
- 4 steps ladder
- 5 steps ladder

Code	Pack. Standard	Weight kg Standard	Volume in m <sup>3</sup> Standard
<b>05476</b>	1	9.8	0.07
<b>05477</b>	1	11.5	0.08
<b>05478</b>	1	14.0	0.08
<b>05479</b>	1	15.0	0.10



### Standard handrail ladder with Standard model step

Rails & steps in AISI-304.

- 2 steps ladder
- 3 steps ladder
- 4 steps ladder
- 5 steps ladder

Code	Pack. Standard	Weight kg Standard	Volume in m <sup>3</sup> Standard
<b>05488</b>	1	9.6	0.07
<b>05489</b>	1	12.0	0.08
<b>05490</b>	1	15.0	0.09
<b>05491</b>	1	15.0	0.09

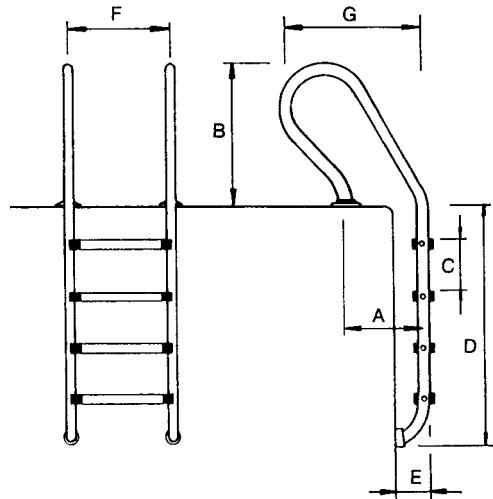
## POOL ACCESS - MIXED MODEL LADDERS



Complies with Standard  
**EN 16582-1:2015**

In-ground pool ladder. Stainless steel Ø 43 mm pipe handrail. Stainless steel steps. Special non-slip design ensures safety. Supplied with anchoring fixtures for connection to an equipotential outlet. Trimmed faceplate.

Steps	A	B	C	D	E	F	G
<b>2</b>	318	620	260	700	148	500	491
<b>3</b>	318	620	260	960	148	500	491
<b>4</b>	318	620	260	1220	148	500	491
<b>5</b>	318	620	260	1480	148	500	491



### Mixed handrail ladder with Luxe model step

Rails & steps in AISI-316.

- 2 steps ladder
- 3 steps ladder
- 4 steps ladder
- 5 steps ladder

Code	Pack. Standard	Weight kg Standard	Volume in m <sup>3</sup> Standard
<b>05484</b>	1	9.7	0.07
<b>05485</b>	1	11.5	0.08
<b>05486</b>	1	12.6	0.09
<b>05487</b>	1	14.8	0.09



### Mixed handrail ladder with Standard model step

Rails & steps in AISI-304.

- 2 steps ladder
- 3 steps ladder
- 4 steps ladder
- 5 steps ladder

Code	Pack. Standard	Weight kg Standard	Volume in m <sup>3</sup> Standard
<b>05496</b>	1	9.7	0.07
<b>05497</b>	1	11.4	0.08
<b>05498</b>	1	15.3	0.09
<b>05499</b>	1	14.8	0.10



Further information in **PRODUCTS**  
www.astralpool.com

## POOL ACCESS - ASYMMETRICAL AND EASY ACCESS LADDERS



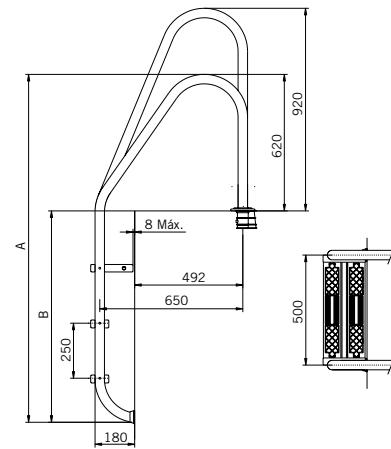
Complies with Standard  
EN 13451-1  
EN 13451-2

### Standard asymmetrical model

Standard model ladder for embedded pools. Handrails in polished Stainless Steel ( $\varnothing$  43 mm) pipe. Stainless steel steps with non-slip surface. Its careful design helps to reduce the danger of slips or cuts. Complete with anchoring fixtures and earthing connection. Rails & steps in AISI-316.

	Code	Pack. Standard	Weight kg Standard	Volume in m <sup>3</sup> Standard
1 "Luxe" step + 1 double safety step	<b>19938</b>	1	13.0	0.07
2 "Luxe" steps + 1 double safety step	<b>19939</b>	1	13.9	0.08
3 "Luxe" steps + 1 double safety step	<b>19940</b>	1	15.8	0.10
4 "Luxe" steps + 1 double safety step	<b>19941</b>	1	17.0	0.10

Code	Steps	A	B
<b>19938</b>	2	1330	710
<b>19939</b>	3	1580	960
<b>19940</b>	4	1830	1210
<b>19941</b>	5	2080	1460



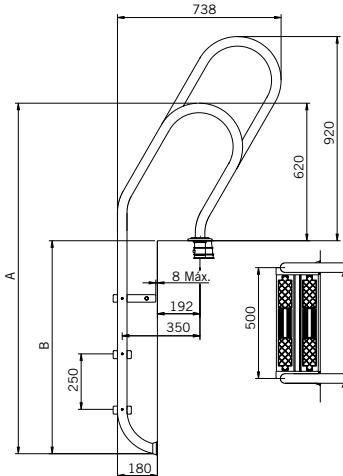
Complies with Standard  
EN 13451-1  
EN 13451-2

### Mixed asymmetric model

Stairs with Mixed model handrails, for embedded pools, made of polished Stainless Steel ( $\varnothing$  43 mm) pipe. Its careful design helps to reduce the danger of slips or cuts. Complete with anchoring fixtures and earthing connection. LUXE handrails and steps in AISI-316.

	Code	Pack. Standard	Weight kg Standard	Volume in m <sup>3</sup> Standard
2 "Luxe" steps + 1 double safety step	<b>19943</b>	1	14.0	0.08
3 "Luxe" steps + 1 double safety step	<b>19944</b>	1	15.6	0.09
4 "Luxe" steps + 1 double safety step	<b>19945</b>	1	17.5	0.10

Code	Steps	A	B
<b>19943</b>	3	1580	960
<b>19944</b>	4	1830	1210
<b>19945</b>	5	2080	1460



## POOL ACCESS - ASYMMETRICAL AND EASY ACCESS LADDERS



Complies with Standard  
EN 16582-1:2015

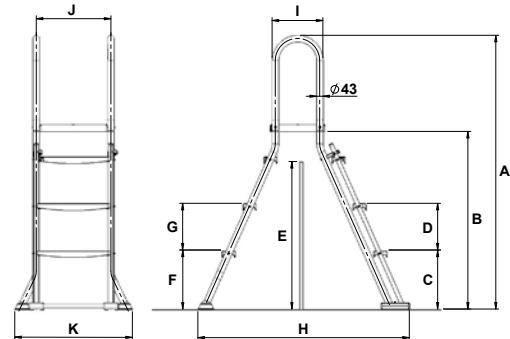
### Above-ground pool safety ladder with platform

Ladder manufactured in AISI-304 stainless steel Ø43 pipe with a bright satin finish and plastic treads. White steps and plastic platform. Non-slip steps and platform. Safe pool access. Ladder maximum load: 150 kg.

	Code	Pack. Standard	Weight kg Standard	Volume in m <sup>3</sup> Standard
--	------	-------------------	-----------------------	--------------------------------------

#### For above-ground pool height

1 m	67656	1	-	-
1.20 or 1.35 m	67657	1	-	-
1,50 m	67658	1	-	-



Code	Steps	A	B	C	D	E	F	G	H	I	J	K
67656	3	1856	1204	400	317	1000	400	317	1433	344	506	797
67657	4	2094	1442	350	285	1350	350	285	1644	344	506	808
67658	5	2378	1727	350	285	1500	350	285	1899	344	506	805

## POOL ACCESS - EXIT GRAB RAILS AND LOWER END



### 800 x 800 mm model

Set of 2 tubular handrails in polished S.S. AISI-316 Ø 43 mm pipe. Exit grab rails with fixing plates are supplied as a pair including fixing plates, gaskets, screws and wall plugs.

	Code	Pack. Standard	Weight kg Standard	Volume in m <sup>3</sup> Standard
Attachment by means of fixing plate	05541	1	9.27	0.10
Attachment for embedding	05540	1	8.40	0.10



### 470 x 800 mm model

Set of 2 tubular handrails in polished S.S. AISI-316 Ø 43 mm pipe. Exit grab rails with fixing plates are supplied as a pair including fixing plates, gaskets, screws and wall plugs.

	Code	Pack. Standard	Weight kg Standard	Volume in m <sup>3</sup> Standard
Attachment by means of fixing plate	05542	1	6.97	0.08



Further information in **PRODUCTS**  
www.astralpool.com

## POOL ACCESS - EXIT GRAB RAILS AND LOWER END



### 470 x 800 mm model with rectangular base plate



Set of 2 tubular handrails in polished S.S. AISI-316 Ø 43 mm pipe. The exit grab rails with base plates are supplied with screws and wall plugs.

	Code	Pack. Standard	Weight kg Standard	Volume in m <sup>3</sup> Standard
Attachment by means of fixing plate	<b>05543</b>	1	7.6	0.08



### Crossover model with rectangular base plate



Set of 2 tubular handrails in polished S.S. AISI-316 Ø 43 mm pipe. The exit grab rails with base plates are supplied with wall plugs and screws.

	Code	Pack. Standard	Weight kg Standard	Volume in m <sup>3</sup> Standard
Attachment by means of fixing plate	<b>05544</b>	1	8.46	0.18



### Parallel model



Set of 2 x AISI-316 bright satin stainless steel Ø 43 mm pipe handrails. For fastening with anchoring fixtures code 00143 (not included in supply, see page 76).

	Code	Pack. Standard	Weight kg Standard	Volume in m <sup>3</sup> Standard
Parallel model	<b>00110</b>	1	10.0	0.11



### Asymmetrical model



Set of 2 tubular handrails in polished S.S. AISI-316 Ø 43 mm pipe. For fixing with anchoring fixture code 00143 (not included).

	Code	Pack. Standard	Weight kg Standard	Volume in m <sup>3</sup> Standard
Asymmetrical model	<b>00111</b>	1	10.1	0.14



Complies with Standard  
**EN 16582-1:2015**

### Split ladder - Bottom half

Rails and steps in polished Stainless Steel AISI-316 (Ø 43 mm). Attachment with fixing plates, gaskets, screws and wall plugs..

	Code	Pack. Standard	Weight kg Standard	Volume in m <sup>3</sup> Standard
2 "Luxe" steps	<b>01456</b>	1	5.0	0.04
3 "Luxe" steps	<b>01457</b>	1	6.3	0.04
4 "Luxe" steps	<b>01458</b>	1	7.7	0.05
5 "Luxe" steps	<b>01459</b>	1	9.2	0.07

### Ladders and grab rails made to measure

Any types of ladders, grab rails and handrails can be made to order out of AISI-304 and AISI-316 stainless steel adapted to your needs.

## POOL ACCESS - EXIT GRAB RAILS AND LOWER END



Grab rail fixed out of the water



In polished AISI-316 stainless steel ( $\varnothing$  43 mm).

	Code	Pack. Standard	Weight kg Standard	Volume in m <sup>3</sup> Standard
For embedding	<b>07780</b>	1	6.7	0.118
With base plates (gaskets, wall plugs and screws)	<b>07781</b>	1	6.7	0.118

Complies with Standard  
EN 13451-1  
EN 13451-2



POOL ACCESS - ACCESSORIES, ANCHORING FIXTURES AND GRIPS



Double non-slip safety step

AISI-316 stainless steel with bright satin finish. For all in-ground pool ladder models.

	Code	Pack. Standard	Weight kg Standard	Volume in m <sup>3</sup> Standard
Safety step	<b>70662</b>	1	2.05	0.003



Anchoring sockets



In plastic, with connection to an equipotential circuit.

	Code	Pack. Standard	Weight kg Standard	Volume in m <sup>3</sup> Standard
For $\varnothing$ 43 mm pipe.	<b>00042</b>	50	7.0	0.03
For $\varnothing$ 48 mm pipe.	<b>07661</b>	-	-	-



Articulated anchoring sockets

In polished Stainless Steel (AISI-304) for a ladder with a  $\varnothing$  43 mm pipe.

	Code	Pack. Standard	Weight kg Standard	Volume in m <sup>3</sup> Standard
Articulated anchoring socket without base plate	<b>00043</b>	1	0.93	0.002
Articulated anchoring socket with base plate	<b>08727</b>	1	1.0	0.002



Further information in **PRODUCTS**  
www.astralpool.com

## POOL ACCESS - ACCESSORIES, ANCHORING FIXTURES AND GRIPS



### Removable anchoring socket with base plate



In polished stainless steel (AISI-316) for a Ø 43 mm pipe with gaskets, wall plugs and screws.

	Code	Pack. Standard	Weight kg Standard	Volume in m <sup>3</sup> Standard
Set of 2 units	07331	1	1.00	0.003



### Anchor with locking bolts



Made of polished AISI-316 stainless steel. For a Ø 43 mm pipe.

	Code	Pack. Standard	Weight kg Standard	Volume in m <sup>3</sup> Standard
Anchoring sockets	00143	2	1.2	0.003



### Ladder foot pad



Made of plastic, the angle can be adjusted by rotating the eye ball socket. Recommended for liner pools.

	Code	Pack. Standard	Weight kg Standard	Volume in m <sup>3</sup> Standard
For Ø 43 mm pipe.	00045	50	12.6	0.03
For Ø 28 mm pipes.	00046	50	14.0	0.03



### Stainless Steel Handrails



Polished Ø 43 mm AISI-316 stainless steel pipes. With fixing plates (including gaskets, screws and wall plugs).

	Code	Pack. Standard	Weight kg Standard	Volume in m <sup>3</sup> Standard
Length 0.5 m	00051	2	2.8	0.02
Length 1 m	00052	2	4.3	0.04
Length 2 m	00053	2	7.9	0.09
Length 2.5 m	00054	2	9.5	0.11



### Tee bar



Polished Ø 43 mm AISI-316 stainless steel pipes.

	Code	Pack. Standard	Weight kg Standard	Volume in m <sup>3</sup> Standard
With fixing plates (including gaskets, screws and wall plugs).	00056	1	2.09	0.01

## DIVING BOARDS AND TRAMPOLINES



## Dynamic flexible springboard

Wide springboard made of polyester resin and fibreglass. Resistant to UV exposure and adverse weather conditions. Non-slip surface covering the entire board. Supplied with anchoring fixtures.

	Code	Pack. Standard	Weight kg Standard	Volume in m <sup>3</sup> Standard
Length 1.61 m. Width 0.46 m	<b>21392</b>	1	22.0	0.335



## Dynamic 1200 Diving Board

Wide springboard made of polyester resin and fibreglass. Resistant to UV exposure and adverse weather conditions. Non-slip surface covering the entire board. Supplied with anchoring fixtures.

	Code	Pack. Standard	Weight kg Standard	Volume in m <sup>3</sup> Standard
Length 1.20 m. Width 0.40 m	<b>20090</b>	1	20.0	0.325



## Dynamic Diving Board

Wide springboard made of polyester resin and fibreglass, with non-slip surface. Grab rails and supports made of stainless steel with matt finish. Supplied with anchoring fixtures.

	Code	Pack. Standard	Weight kg Standard	Volume in m <sup>3</sup> Standard
Length 2 m, Width 0.60 m	<b>23199</b>	1	50.0	1.585
Length 2.30 m, Width 0.60 m	<b>23200</b>	1	52.0	1.585



## Dolphin Model

Flexible Polyester and fibreglass springboard in light blue. Supplied with anchoring fixtures.

	Code	Pack. Standard	Weight kg Standard	Volume in m <sup>3</sup> Standard
Length 1.6 m. Height 0.35 m	<b>00076</b>	1	22.0	0.138



## Ballesta Model

Light blue Polyester and fibreglass springboard. Springboard bracket made of galvanized Steel. Supplied with anchoring fixtures.

	Code	Pack. Standard	Weight kg Standard	Volume in m <sup>3</sup> Standard
Length 1.8 m, Height 0.25 m, Width 0.4 m	<b>00077</b>	1	27.0	0.084
Length 1.4 m, Height 0.25 m, Width 0.4 m	<b>00078</b>	1	25.0	0.072



## Elevated Model

Base laminated in ivory-coloured Polyester and fibreglass, with light blue board. With 2 stainless steel handrails. Non-slip step and board. Supplied with anchoring fixtures.

	Code	Pack. Standard	Weight kg Standard	Volume in m <sup>3</sup> Standard
Length 2 m Height 0.55 m Width 0.4 m	<b>00068</b>	1	38.0	0.850
Length 2.5 m Height 0.75 m Width 0.46 m	<b>00069</b>	1	68.0	1.380



Further information in **PRODUCTS**  
[www.astralpool.com](http://www.astralpool.com)

## PLATFORMS



### Platform



Light blue polyester and fibreglass boards with non-slip surface. Anchoring fixtures are not supplied.

	Code	Pack. Standard	Weight kg Standard	Volume in m <sup>3</sup> Standard
<b>Width 0.40 m</b>				
Length 1.4 m	00060	1	13.0	0.036
Length 1.8 m	00061	1	16.0	0.046
Length 2.0 m	00062	1	18.0	0.050
Length 2.3 m	00063	1	22.0	0.060
<b>Width 0.46 m</b>				
Length 2.5 m	00064	1	31.0	0.080
Length 3.2 m	00065	1	46.0	0.100



### Diving board brackets



Made of polished AISI-304 stainless steel, with platform fixing bolts.

	Code	Pack. Standard	Weight kg Standard	Volume in m <sup>3</sup> Standard
For boards up to 2.30 m in length	14586	1	8.0	0.040
For boards from 2.5 to 3.2 m in length	V-079/06	1	-	-

## SLIDES



### Pranaslide Model

Light blue polyester and fibreglass steps and slide. Grab rails made of white painted Aluminium. Fitted with a water supply connection to ease sliding. Supplied with anchoring fixtures.

	Code	Pack. Standard	Weight kg Standard	Volume in m <sup>3</sup> Standard
Height 1.50 m	00085	1	62.0	1.214
Height 1.80 m	00086	1	70.0	1.368



### Curved model

Light blue polyester and fibreglass steps and slide. Grab rails made of white painted Aluminium. Fitted with a water supply connection to ease sliding. Supplied with anchoring fixtures.

	Code	Pack. Standard	Weight kg Standard	Volume in m <sup>3</sup> Standard
Right curve, height 1.78 m	00088	1	83.0	2.913
Left curve, height 1.78 m	00089	1	83.0	2.913

## SLIDES



## Straight model

Light blue polyester and fibreglass slide. Plastic steps. Polished stainless steel handrails. Fitted with a water supply connection to ease sliding. Supplied with anchoring fixtures.

	Code	Pack. Standard	Weight kg Standard	Volume in m <sup>3</sup> Standard
Height 1.30 m	<b>00081</b>	1	31.0	0.550
Height 1.80 m	<b>00082</b>	1	38.0	0.850
Height 2.00 m	<b>00083</b>	1	44.0	0.750



## Slides

Slide made of polyester, reinforced with fibreglass. Plastic steps. Stainless steel handrails. Fitted with a water supply connection to ease sliding. Supplied with anchoring fixtures. Available in white, blue and ivory.

	Code	Pack. Standard	Weight kg Standard	Volume in m <sup>3</sup> Standard
Straight	<b>18543 MT07</b>	1	-	6.48
Left curve	<b>18545 MT07</b>	1	-	8.30



## Typhoon Model

Rotomolded slides with "easy grab" handrails and an enclosed non-slip ladder to ensure safe use. They are compatible with Salt Chlorination systems as indicated by the "Salt Pool Approved" label. Fitted with a water supply connection to ease sliding. Height 2.10 metres. Colour available: Sandstone.

	Code	Pack. Standard	Weight kg Standard	Volume in m <sup>3</sup> Standard
Typhoon Model	<b>52253</b>	1	61	-

Available colours:



## Cyclone Model

Rotomolded slides with "easy grab" handrails and an enclosed non-slip ladder to ensure safe use. They are compatible with Salt Chlorination systems as indicated by the "Salt Pool Approved" label. Fitted with a water supply connection to ease sliding. Height 2.10 metres. Colour available: Sandstone.

	Code	Pack. Standard	Weight kg Standard	Volume in m <sup>3</sup> Standard
Cyclone Model	<b>52254</b>	1	115	-

Available colours:





## PLUVIUM SHOWERS



## Pluvium shower



Shower made of tropical wood combined with glossy AISI-316 stainless steel. Mixer valve for hot and cold water control. Adjustable shower head with anti-limescale system. Its minimalist and compact design provides an elegant and modern image for the pool environment and its high quality materials give it a long service life and greater resistance to weathering and corrosion.

Height of the shower head from the ground: 2.04 m.

	Code	Pack. Standard	Weight kg Standard	Volume in m <sup>3</sup> Standard
Pluvium Shower with shower tray	<b>43583</b>	1	38	0.169
Pluvium Shower without shower tray	<b>43432</b>	1	27	0.136



SHOWERHEAD



MIXER TAP

## Shower Pluvium Solar



Solar shower made of tropical wood combined with glossy AISI-316 stainless steel. It includes a 30 L aluminium tank. Mixer valve for hot and cold water control. Adjustable shower head with anti-limescale system. Its minimalist and compact design provides an elegant and modern image for the pool environment and its high quality materials give it a long service life and greater resistance to weathering and corrosion. Height of the shower head from the ground: 2.04 m.

	Code	Pack. Standard	Weight kg Standard	Volume in m <sup>3</sup> Standard
Pluvium Solar Shower without shower tray	<b>43435</b>	1	37	0.225

## Shower tray for Pluvium shower



Shower tray for the Pluvium shower made of a combination of wood and glossy AISI-316 stainless steel. Its minimalist and compact design provides an elegant and modern image for the pool environment.

	Code	Pack. Standard	Weight kg Standard	Volume in m <sup>3</sup> Standard
Shower tray for Pluvium shower	<b>43434</b>	1	11	0.028



## IGUAZU SHOWERS



Iguazu Shower



Matt AISI-316 stainless steel shower for hot and cold water with a white acrylic front panel. Adjustable chromed brass anti-limescale shower-head and 2 mist spray jets controlled by a 2-way control valve. The flow rate and the water temperature are regulated by a mixer valve.

	Code	Pack. Standard	Weight kg Standard	Volume in m <sup>3</sup> Standard
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Iguazu Shower                                    53874                            1                            27                            0.163



SHOWERHEAD



MIXER TAP



BODY JETS



Iguazu Solar Shower



Matt AISI-316 stainless steel solar shower with a white acrylic front panel. Adjustable chromed brass anti-limescale shower-head and 2 mist spray jets controlled by a 2-way control valve. With a cold water inlet, it enables the water to be heated by means of a 30 litre aluminium accumulator tank, taking advantage of the sun's energy.

	Code	Pack. Standard	Weight kg Standard	Volume in m <sup>3</sup> Standard
--	------	-------------------	-----------------------	--------------------------------------

Iguazu Solar Shower                                    56933                            1                            32                            0.163



SHOWERHEAD



MIXER TAP



BODY JETS



## SHOWERS - SOLAR SHOWERS

What are the advantages of solar showers?

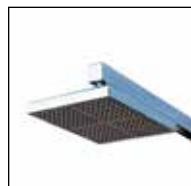
- user comfort
- energy saving
- easy to install



## Niagara Solar Shower

Shower made of polished AISI-304 stainless steel. With a single cold water inlet, it enables the water to be heated by means of a 30 L aluminium accumulator tank, taking advantage of the sun's energy. It has a mixer valve and a square adjustable anti-limescale shower head.

	Code	Pack. Standard	Weight kg Standard	Volume in m <sup>3</sup> Standard
Niagara Solar Shower	<b>53873</b>	1	25	0.26



SHOWERHEAD



MIXER TAP



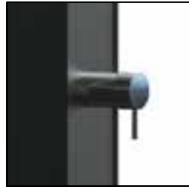
## Angel Solar Shower

Grey aluminium shower. With a cold water inlet, it enables the water to be heated by means of a 30 litre aluminium accumulator tank, taking advantage of the sun's energy. It has a mixer valve and an anti-limescale shower head.

	Code	Pack. Standard	Weight kg Standard	Volume in m <sup>3</sup> Standard
Angel Solar Shower	<b>56932</b>	1	13	0.152



SHOWERHEAD



MIXER TAP



## ECO solar shower with 30 litre tank

Shower made of polished AISI-304 stainless steel that, with a single cold water inlet, enables the water to be heated by means of a 30-litre aluminium accumulator tank, taking advantage of the sun's energy. Adjustable massaging shower head with 3 functions and an anti-limescale membrane. With a (hot/cold) mixing valve. Water drain plug. Quick connection of water inlet. Attaches to the ground by means of anchoring screws and wall plugs.

	Code	Pack. Standard	Weight kg Standard	Volume in m <sup>3</sup> Standard
Height (shower head to ground): 2 m	<b>36848</b>	1	12.0	0.16



SHOWERHEAD



MIXER TAP

## SHOWERS - SOLAR SHOWERS



Solar shower with a flexible 20 litre tank

Painted steel shower that, with a single cold water inlet, enables the water to be heated by means of a flexible 20-litre accumulator tank, taking advantage of the sun's energy. With 2 (hot/cold) valves and a chromed brass shower head. Quick connection of water inlet. Attaches to the ground by means of anchoring screws and wall plugs.

	Code	Pack. Standard	Weight kg Standard	Volume in m <sup>3</sup> Standard
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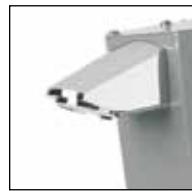
Height (shower head to ground): 2.10 m

**34312**

1

15.4

0.089



SHOWERHEAD



KNOB

## SHOWERS - KNOB VALVES



Niagara Shower

Shower made of polished AISI-304 stainless steel with a square adjustable shower head and a flow-regulating valve.

	Code	Pack. Standard	Weight kg Standard	Volume in m <sup>3</sup> Standard
--	------	-------------------	-----------------------	--------------------------------------

Niagara Shower

**53872**

1

22

0.125



SHOWERHEAD



KNOB



## RECOMMENDED

Stainless steel polish/cleaner

See  
p.180



## SHOWERS - KNOB VALVES



## Angel shower with footwash

AISI-304 polished stainless steel ( $\varnothing$  43 mm) shower with 1 chrome anti-limescale showerhead and 1 flow opening valve. Includes footwash tap. With 00107 anchoring fixture incorporated (see page 86).

	Code	Pack. Standard	Weight kg Standard	Volume in m <sup>3</sup> Standard
--	------	-------------------	-----------------------	--------------------------------------

Angel footwash

52718

1

5.6

0.43



SHOWERHEAD



KNOB



FOOTWASH TAP



## Angel

AISI-304 polished stainless steel ( $\varnothing$  43 mm) shower with 1 chrome anti-limescale showerhead and 1 flow opening valve. With 00107 anchoring fixture incorporated (see page 86).

	Code	Pack. Standard	Weight kg Standard	Volume in m <sup>3</sup> Standard
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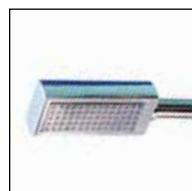
Angel Shower

52717

1

5.6

0.43



SHOWERHEAD



KNOB



## Angel Shower with 2 shower heads

AISI-304 polished stainless steel ( $\varnothing$  63 mm) shower with 2 chrome anti-limescale showerheads and 2 flow opening valves. With 27333 anchoring fixture incorporated (see page 86).

	Code	Pack. Standard	Weight kg Standard	Volume in m <sup>3</sup> Standard
--	------	-------------------	-----------------------	--------------------------------------

Angel Shower with 2 shower heads

59775

1

9.58

0.054



SHOWERHEAD



KNOB

The new range of timer showers has replaced the showers with code numbers **00095, 00097, 08728, 15841, 19947.**

## SHOWERS - SHOWERS WITH TIMERS

AISI-304 polished stainless steel shower, specially designed for high footfall facilities (public or semi-public pools). AstralPool showers for public facilities are characterised by their highly resistant materials, considered vandal-proof, and the water savings made thanks to their built-in flow limiters. Showerhead height from floor: 2 m. Fastened to floor with screws, with anchoring fixture incorporated.



Shower with timer and 1 shower head



Not designed for installation on a shower tray.

	Code	Pack. Standard	Weight kg Standard	Volume in m <sup>3</sup> Standard
Shower with timer and 1 shower head	<b>59776</b>	1	7.2	0.044



SHOWERHEAD



TIMER SWITCH



Shower with timer, 1 shower head and footwash



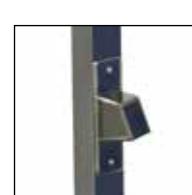
	Code	Pack. Standard	Weight kg Standard	Volume in m <sup>3</sup> Standard
Shower with timer, 1 shower head and footwash	<b>59777</b>	1	7.5	0.044



SHOWERHEAD



TIMER SWITCHES



FOOTWASH TAP



Shower with timer and 2 shower heads



	Code	Pack. Standard	Weight kg Standard	Volume in m <sup>3</sup> Standard
Shower with timer and 2 shower heads	<b>59778</b>	1	7.5	0.044



SHOWERHEADS



TIMER SWITCHES



Further information in **PRODUCTS**  
www.astralpool.com

## SHOWERS - ACCESSORIES



### Shower anchoring fixtures



Made of plastic, with a locking system for shower disassembly and bonded connection.

	Code	Pack. Standard	Weight kg Standard	Volume in m <sup>3</sup> Standard
<b>Shower anchoring Ø 43 mm</b> For models: 52717 and 52718	<b>00107</b>	1	0.48	0.003
<b>Shower anchoring Ø 63 mm</b> For model: 59775	<b>27333</b>	1	1.0	0.003

## SHOWERS - SHOWER TRAYS

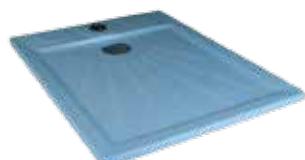


### Relax model shower tray

Dimensions 80 cm x 90 cm. Large stainless steel shower tray positioned away from the standing area. Non-slip surface. Made of polyester + fibreglass. Gelcoat Finish.

	Code	Pack. Standard	Weight kg Standard	Volume in m <sup>3</sup> Standard
With Ø 43 mm anchoring fixture for Angel showers 52717 and 52718 (page 84).	<b>20066</b>	1	9.0	0.16

Also available with D.63  
anchoring (20067) and  
without anchoring (20073).



### Classic model shower tray

Dimensions 100 cm x 80 cm. Large stainless steel shower tray. Non-slip surface. Made of polyester + fibreglass. Gelcoat Finish.

	Code	Pack. Standard	Weight kg Standard	Volume in m <sup>3</sup> Standard
With Ø 43 mm anchoring fixture for Angel showers 52717 and 52718 (page 84).	<b>19723</b>	1	10.0	0.16

Also available with D.63  
anchoring (19724) and  
without anchoring (19725).



### Shower tray

Dimensions 80 cm x 80 cm, with adjustable main drain. Ø 130 mm grille, Ø 50 mm connection. Made of polyester + fibreglass.

	Code	Pack. Standard	Weight kg Standard	Volume in m <sup>3</sup> Standard
With Ø 43 mm anchoring fixture for Angel showers 52717 and 52718 (page 84).	<b>00103</b>	1	11.0	0.16

Available with D.63 anchor-  
ing (code 00104).

## ASTRALPOOL BIKE



AstralPool Bike



Aquabike made of square and rectangular polished AISI-316 stainless steel pipe. Ideal for gyms, wellness centres, spas, medical facilities, hotels and private pools.

- Adjustable height of saddle and handlebar.
- For use in public and residential pools from 1 to 1.5 metres in depth.
- Ergonomic.
- Pedals made of PUR.
- Easy to move about.

	Code	Pack. Standard	Weight kg Standard	Volume in m <sup>3</sup> Standard
AstralPool Bike	67333	1	20	0.12

NOTE: The water features do NOT include anchoring, a pump, control panel or suction system.

## ORNAMENTAL WATER FEATURES - CANNONS AND WATERFALLS



Pluvium water features and ornaments



The water features in the AstralPool Signature range add a touch of elegance and design to any pool, not to mention their main purpose: increasing swimmers' feeling of wellbeing. We are proud to present the PLUVIUM cannon and waterfall. They combine wood and satin finish AISI 316 stainless steel. These products match others AstralPool Signature Pluvium shower range. 3-year warranty.

	Code	Pack. Standard	Weight kg Standard	Volume in m <sup>3</sup> Standard
Pluvium cannon, 7 m <sup>3</sup> /h, 5 mca.	45868	1	11	0.089
Pluvium waterfall, 12 m <sup>3</sup> /h, 2 mca.	45869	1	31	0.284

The following fastening systems are recommended:



Pluvium cannon anchoring  
Pluvium waterfall anchoring

	Code	Pack. Standard	Weight kg Standard	Volume in m <sup>3</sup> Standard
Pluvium cannon anchoring	45872	1	2	0.005
Pluvium waterfall anchoring	45873	1	3.5	0.015



RECOMMENDED

Pluvium shower

See p.  
80

## A-350 and A-500 residential water curtains



- Range of ornamental fountains to enhance pool design.
- Made of AISI-304 and AISI-316 stainless steel.
- Polished finish.
- Fastened to the ground with screws and anchor studs.
- 1½" ext. R. connection.

	Code	Pack. Standard	Weight kg Standard	Volume in m <sup>3</sup> Standard
A-350 AISI-316 residential water curtain	65104	1	10	-
A-500 AISI-316 residential water curtain	65105	1	13	-
A-350 AISI-304 residential water curtain	65106	1	10	-
A-500 AISI-304 residential water curtain	65107	1	13	-

NOTE: The water features do NOT include anchoring, a pump, control panel or suction system.

## ORNAMENTAL WATER FEATURES - CANNONS AND WATERFALLS



Classic water curtain



Classic water curtain

	Code	Pack. Standard	Weight kg Standard	Volume in m <sup>3</sup> Standard
Classic water curtain	<b>57095</b>	1	28	0.38



Straight water curtain

Straight water curtain

	Code	Pack. Standard	Weight kg Standard	Volume in m <sup>3</sup> Standard
Straight water curtain	<b>57096</b>	1	36	0.25



One water curtain

One water curtain

	Code	Pack. Standard	Weight kg Standard	Volume in m <sup>3</sup> Standard
One water curtain	<b>57097</b>	1	36	0.25

### RECOMMENDED



Victoria Plus Silent pump

See p.  
155



Residential water curtain



Residential water curtain in polished stainless steel. Fastened to the ground with screws and anchor studs.

	Code	Pack. Standard	Weight kg Standard	Volume in m <sup>3</sup> Standard
A-350 AISI-316 stainless steel, 12 m <sup>3</sup> /h 2 mca	<b>52244</b>	1	10	0.12
A-500 AISI-316 stainless steel, 18 m <sup>3</sup> /h 2 mca	<b>52245</b>	1	15	0.24

Code	Suction concrete	Variable speed	Control box	*Optional Push button + Switch
<b>52244</b>	00302 x 2	65560	25719	04047 + 04050
<b>52245</b>	00302 x 2	65562	25719	04047 + 04050

\* See page 155.

\*\* Optional: components for turning the waterfall on from the pool.

**NOTE:** The water features do not include a pump, control box or suction pipes.

## ORNAMENTAL WATER FEATURES - CANNONS AND WATERFALLS



### Residential water cannon



Residential water cannon in polished stainless steel. Fastened to the ground with screws and anchor studs.

#### AISI-316 stainless steel

Round opening. 5 m<sup>3</sup>/h, 2 mca  
Flat opening. 15 m<sup>3</sup>/h, 2 mca

	Code	Pack. Standard	Weight kg Standard	Volume in m <sup>3</sup> Standard
--	------	-------------------	-----------------------	--------------------------------------

<b>52242</b>	1	3	0.12
<b>52243</b>	1	5	0.13

#### AISI-304 stainless steel

Round opening. 5 m<sup>3</sup>/h, 2 mca  
Flat opening. 15 m<sup>3</sup>/h, 2 mca

<b>52238</b>	1	3	0.12
<b>52239</b>	1	5	0.13

Code	Suction concrete	Pump	Control box	*Optional Push button + Switch
<b>52242</b>	00302	65557	25718	04047 + 04050
<b>52243</b>	00302 x 2	65566	25719	04047 + 04050
<b>52238</b>	00302	65557	25718	04047 + 04050
<b>52239</b>	00302 x 2	65560	25719	04047 + 04050

\*Optional: components for turning the cannon on from the pool.



### Ornamental waterfalls



In AISI-316 stainless steel.

	Code	Pack. Standard	Weight kg Standard	Volume in m <sup>3</sup> Standard
--	------	-------------------	-----------------------	--------------------------------------

Width (W) 300 mm. 1½" connection (B)  
Width (W) 600 mm, 2" connection (B)

<b>05577</b>	1	6.9	0.06
<b>05578</b>	1	11.9	0.09

Code water feature	Face plate	Anchoring sockets		Suction		Pump	Control box			
		Concrete	Liner	Concrete	Liner		Manual push button	Pneumatic push button		
								Concrete	Liner	
<b>05577</b>	-	-	-	<b>19987 x 1</b>	<b>20091 x 1</b>	<b>38770</b>	<b>19988</b>	<b>07669</b>	<b>07868</b>	
<b>05578</b>	-	-	-	<b>19987 x 2</b>	<b>20091 x 2</b>	<b>38776</b>	<b>19989</b>	<b>17154</b>	<b>17155</b>	

**Note:** The pneumatic push button includes: control box, wall conduits and push button.



### SilkFlow waterfalls



Waterfall made of corrosion resistant ABS. Can be fed through the return circuit of the pool filter or through a specific pump.

	Code	Pack. Standard	Weight kg Standard	Volume in m <sup>3</sup> Standard
300 mm waterfall	<b>45205</b>	1	1.19	0.012
600 mm waterfall	<b>45206</b>	1	2.36	0.021
900 mm waterfall	<b>45207</b>	1	3.45	0.003
1200 mm waterfall	<b>45208</b>	1	4.62	0.004

Code	Required water flow l/min	Standard pump size HP	A Length of waterfall	B Width of waterfall over the pool surface, at the recommended rate of l/min/m	C Recommended height for the waterfall	D Distance of the water at the recommended rate of l/min/m
<b>45205</b>	50	0,5	300 mm	200 mm	300 mm	300 mm
<b>45206</b>	100	0,5	600 mm	500 mm	600 mm	300 mm
<b>45207</b>	150	0,75	900 mm	800 mm	900 mm	300 mm
<b>45208</b>	200	0,75	1200 mm	1100 mm	900 mm	300 mm

## GRILLES FOR OVERFLOW

### GENERAL NOTE FOR ALL MODELS

Made of PP stabilised against UV rays. The whole range comes in white. Ask your dealer about other colours.

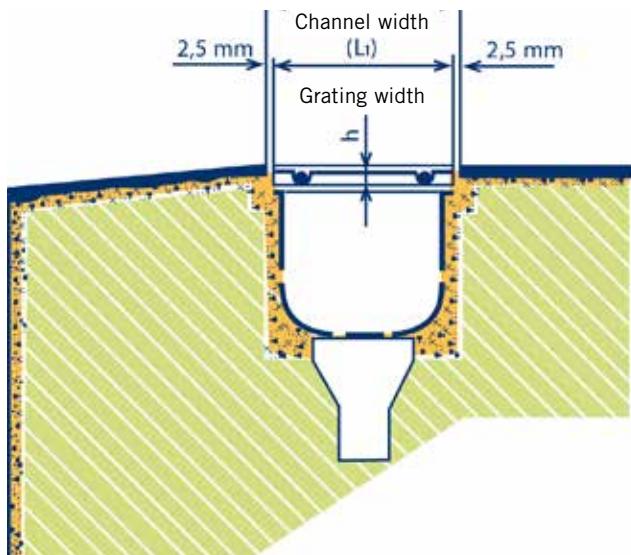
Made up of tiles in modules for straight and curved sections (outer radius of 1 or 2 m), they click into place (male-female fitting), which gives certain leeway in assembling them, as well as absorbing their potential expansion due to the temperature changes to which they are exposed.

For all models of grating, a channel 5 mm wider than the grating must be built so that it easily fits into place and any potential expansion is prevented.

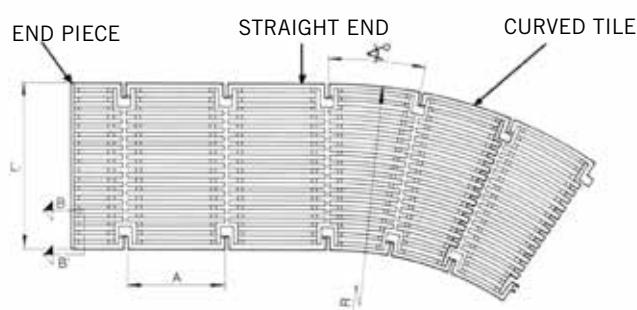
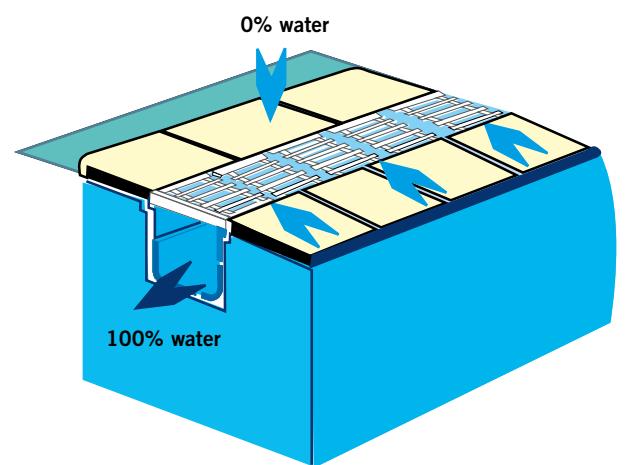
<u>Channel width</u>	<u>Grating width</u>
200.....	195
250.....	245
300.....	295
350.....	345

The height (h) of the grating varies depending on the model.

- Longitudinal model h = 24 mm
- Transversal model h = 22 mm and h = 35 mm



### LONGITUDINAL MODEL



The longitudinal design of this model ensures that any excess water from the pool is not allowed to overflow onto the pool deck, thus maintaining it practically dry.

STRAIGHT END	Model	L	L1	h	A	$\angle r.1m.$	$\angle r.2m.$
05581	200	195	24	206	-	-	-
05582	250	245	24	206	-	-	-
05583	300	295	24	206	-	-	-
05584	350	345	24	206	-	-	-
END PIECE	06420	200	195	24	-	-	-
	06421	250	245	24	-	-	-
	06422	300	295	24	-	-	-
	06423	350	345	24	-	-	-



Further information in **PRODUCTS**  
[www.astralpool.com](http://www.astralpool.com)

## GRILLES FOR OVERFLOW



Longitudinal grating tile



Made of PP stabilised against UV rays. Grating fastened together using male-female hooks (5 units = 1,024 meters). The flexible properties of the grating means a radius of up to 5 m can be covered.

	Code	Pack. Standard	Weight kg Standard	Volume in m <sup>3</sup> Standard
Height 24 mm, width 195 mm	<b>05581</b>	45	16.2	0.080
Height 24 mm, width 245 mm	<b>05582</b>	29	13.4	0.080
Height 24 mm, width 291 mm	<b>05583</b>	28	15.6	0.080
Height 24 mm, width 345 mm	<b>05584</b>	19	13.2	0.080



End piece kit for parallel grating



Made of AISI-304 stainless steel plate, with end piece and longitudinal grating made of PP stabilised against UV rays. Made so that the grating in the end piece can be cut to fit in place.

	Code	Pack. Standard	Weight kg Standard	Volume in m <sup>3</sup> Standard
Height 24 mm, width 195 mm	<b>16064</b>	1	0.380	0.001
Height 24 mm, width 245 mm	<b>16065</b>	1	0.432	0.002
Height 24 mm, width 291 mm	<b>16066</b>	1	0.525	0.002
Height 24 mm, width 345 mm	<b>16067</b>	1	0.655	0.002



Perimeter grating



Range of overflow grating for swimming pools. Made of homopolymer polypropylene, with additives for UV protection. Available in 500 mm long modules with male-female hooks for easy and fast assembly.

	Code	Pack. Standard	Weight kg Standard	Volume in m <sup>3</sup> Standard
0.5 m longitudinal grating Height 22 mm Width 195 mm	<b>28664</b>	20	19.9	0.080

Other grating colours can be made to order.  
 For further information, ask your AstralPool dealer.



Further information in **PRODUCTS**  
www.astralpool.com

## GRILLES FOR OVERFLOW



### Modular transversal grating for curves



Made of PP stabilised against UV rays. Assembled by fitting the modules together. Compliant with standard EN-13451-1 (8 mm). Available in 5 colours. Other grating colours can be made to order. Total of 53 units per metre. For further information, please contact your AstralPool dealer.

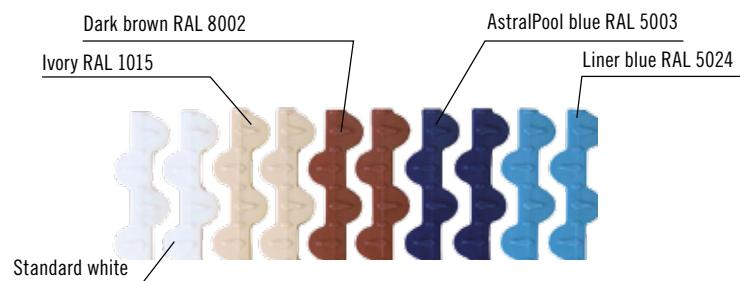
Code	Pack. Standard	Weight kg Standard	Volume in m <sup>3</sup> Standard
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#### MODULAR GRATING FOR CURVES

Height 22 mm, width 195 mm	<b>34190</b>	470	14.1	0.08
Height 22 mm, width 245 mm	<b>34191</b>	320	12.4	0.08
Height 22 mm, width 295 mm	<b>34192</b>	300	15.0	0.08
Height 22 mm, width 335 mm	<b>34193</b>	250	15.0	0.08

#### REVERSIBLE MODULAR GRATING FOR CURVES

Height 35 mm, width 195 mm	<b>34194</b>	450	16.0	0.08
Height 35 mm, width 245 mm	<b>34195</b>	300	13.7	0.08
Height 35 mm, width 295 mm	<b>34196</b>	290	17.3	0.08
Height 35 mm, width 335 mm	<b>34197</b>	250	17.4	0.08



Colour	Code
White	-
RAL 1015	<b>CL90</b>
RAL 8002	<b>CL109</b>
RAL 5003	<b>CL60</b>
RAL 5024	<b>CL 108</b>



### Transversal grating for curves



Modular transversal grating for curves. Made of PP stabilised against UV rays. Assembled by fitting the modules together. Compliant with standard EN-13451-1 (8 mm). Class 3 slip resistance (Rd>45) pursuant to UNE-ENV 12633 and as specified in section SU1 of the Technical Building Code currently in force.

Code	Pack. Standard	Weight kg Standard	Volume in m <sup>3</sup> Standard
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Height 22 mm, width 195 mm	<b>52535</b>	470	14.1	0.08
Height 22 mm, width 245 mm	<b>52536</b>	320	12.4	0.08
Height 22 mm, width 295 mm	<b>52537</b>	300	15.0	0.08
Height 22 mm, width 335 mm	<b>52538</b>	250	15.0	0.08

Height 35 mm, width 195 mm	<b>52539</b>	450	16.0	0.08
Height 35 mm, width 245 mm	<b>52540</b>	300	13.7	0.08
Height 35 mm, width 295 mm	<b>52541</b>	290	17.3	0.08
Height 35 mm, width 335 mm	<b>52542</b>	250	17.4	0.08

Other grating colours can be made to order.  
For further information, ask your AstralPool dealer.

Other grating colours can be made to order.  
For further information, ask your AstralPool dealer.



## GRILLES FOR OVERFLOW



### Modular transversal grating for curves

Made of PP stabilised against UV rays. Assembled by fitting the modules together. Total of 45 units per metre.

	Code	Pack. Standard	Weight kg Standard	Volume in m <sup>3</sup> Standard
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#### MODULAR GRATING FOR CURVES

Height 22 mm, width 195 mm	<b>11107</b>	470	15.8	0.080
Height 22 mm, width 245 mm	<b>11108</b>	320	13.6	0.080
Height 22 mm, width 295 mm	<b>19202</b>	300	18.0	0.080
Height 22 mm, width 335 mm	<b>19203</b>	250	17.0	0.080

#### REVERSIBLE MODULAR GRATING FOR CURVES

Height 35 mm, width 195 mm	<b>00220</b>	450	16.5	0.080
Height 35 mm, width 245 mm	<b>00221</b>	300	14.3	0.080
Height 35 mm, width 295 mm	<b>00222</b>	290	19.3	0.080
Height 35 mm, width 335 mm	<b>00223</b>	250	18.1	0.080



## MODULAR GRATING FOR CURVES



Made of PP stabilised against UV rays. Assembled by fitting the modules together. Non-slip surface. Other colours available on request. For further information, please contact your AstralPool dealer.

	Code	Pack. Standard	Weight kg Standard	Volume in m <sup>3</sup> Standard
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Height 22 mm, width 195 mm	<b>28656</b>	470	20.84	0.082
Height 22 mm, width 245 mm	<b>28657</b>	320	18.80	0.082
Height 22 mm, width 295 mm	<b>28658</b>	300	18.80	0.082
Height 22 mm, width 335 mm	<b>28659</b>	250	20.84	0.082

Height 35 mm, width 195 mm	<b>28660</b>	450	26.90	0.082
Height 35 mm, width 245 mm	<b>28661</b>	300	24.70	0.082
Height 35 mm, width 295 mm	<b>28662</b>	290	26.61	0.082
Height 35 mm, width 335 mm	<b>28663</b>	250	22.25	0.082



## Transversal grating



Made of PP stabilised against UV rays. Fastened together by a pass-through cable (49 units per metre).

	Code	Pack. Standard	Weight kg Standard	Volume in m <sup>3</sup> Standard
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Height 22 mm, width 195 mm	<b>00212</b>	340	11.9	0.039
Height 22 mm, width 245 mm	<b>00213</b>	305	13.2	0.039



## Stainless steel plastic coated cable



Ø 2.5 mm for fastening modules together.

	Code	Pack. Standard	Weight kg Standard	Volume in m <sup>3</sup> Standard
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Stainless steel plastic coated cable	<b>00214</b>	1000 m	21.0	0.036
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## AISI-316 stainless steel plastic coated cable



Ø 2.5 mm for fastening modules together.

	Code	Pack. Standard	Weight kg Standard	Volume in m <sup>3</sup> Standard
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AISI-316 stainless steel plastic coated cable	<b>00215</b>	1000 m	21.0	0.036
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Further information in **PRODUCTS**  
[www.astralpool.com](http://www.astralpool.com)

## GRILLES FOR OVERFLOW



## Cable locking pins



Made of brass.

Cable locking pins

	Code	Pack. Standard	Weight kg Standard	Volume in m <sup>3</sup> Standard
Cable locking pins	00216	100	1.5	0.001



## Transversal grating tile



Made of PP stabilised against UV rays. Tiles fitted together using a snap fastening system (5 units = 0.975 m).

Height 22 mm, width 245 mm  
Height 22 mm, width 295 mm  
Height 22 mm, width 335 mm

	Code	Pack. Standard	Weight kg Standard	Volume in m <sup>3</sup> Standard
Height 22 mm, width 245 mm	00217	52	22.8	0.080
Height 22 mm, width 295 mm	00218	45	23.1	0.080
Height 22 mm, width 335 mm	00219	38	22.0	0.080

Other grating colours can be made to order.  
For further information, ask your AstralPool dealer.



## Grating support profile

Suitable for grating heights of 22, 24 and 35 mm. Made of weather resistant plastic. Supplied in 2 m strips.  
Inside measurements: 24 mm x 37 mm.

Available in other colours. For further information, ask your dealer.

Grating support profile

	Code	Pack. Standard	Weight kg Standard	Volume in m <sup>3</sup> Standard
Grating support profile	00224	25	13.2	0.033



## 90° corner tiles for overflow channels



Made of white, injection moulded copolymer polypropylene.

Height 22 mm, channel width 195 mm  
Height 22 mm, channel width 245 mm  
Height 22 mm, channel width 295 mm  
Height 22 mm, channel width 335 mm  
Height 35 mm, channel width 195 mm  
Height 35 mm, channel width 245 mm  
Height 35 mm, channel width 295 mm  
Height 35 mm, channel width 335 mm

	Code	Pack. Standard	Weight kg Standard	Volume in m <sup>3</sup> Standard
Height 22 mm, channel width 195 mm	22379	4	2.8	0.006
Height 22 mm, channel width 245 mm	22380	4	3.6	0.009
Height 22 mm, channel width 295 mm	22381	4	4.8	0.012
Height 22 mm, channel width 335 mm	22382	4	5.7	0.016
Height 35 mm, channel width 195 mm	22383	4	3.2	0.009
Height 35 mm, channel width 245 mm	22384	4	4.1	0.014
Height 35 mm, channel width 295 mm	22385	4	5.3	0.012
Height 35 mm, channel width 335 mm	22386	4	6.2	0.023

Other grating colours can be made to order.  
For further information, ask your AstralPool dealer.

## GRILLES FOR OVERFLOW



## Stainless steel longitudinal grating



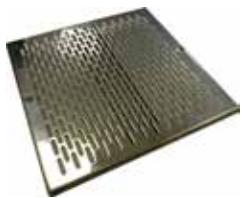
Longitudinal grating made of stainless steel. A channel 5 mm wider than the grating must be dug so that it is easy to fit.

It is made up of straight sections of AISI-316 stainless steel, 500 mm in length. Straight sections can be made to measure in order to fit the length of any pool.

There are 4 different models depending on the grating used. Height 35 mm.

Complies with Standard EN 13451-1-3	Complies with standards EN 16582-1 EN 16713-2
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Code	Pack. Standard	Weight kg Standard	Volume in m <sup>3</sup> Standard
32415	-	-	-
32416	-	-	-
32417	-	-	-
32418	-	-	-



70956

## Stainless steel reinforced grating



New

AISI-304 stainless steel grating, compliant with standard EN: 1345-1:2000. Resistant to salt water. Intended for use in both residential and public pools.

Code	Pack. Standard	Weight kg Standard	Volume in m <sup>3</sup> Standard
70956	1	-	-
70957	1	-	-



70957



Complies with Standard  
EN 1345-1:2000



# POOL SHELL EQUIPMENT

## Concrete pools

- 99 • Skimmers 15 l
- 100 • Skimmers 17,5 l
- 103 • Skimmer Accessories
- 104 • S.S. Skimmers
- 107 • Skimmer accessories in S.S.
- 107 • Water level regulators
- 108 • Main drains
- 112 • Main drain accessories
- 114 • Drain grilles
- 115 • ABS inlets
- 119 • S.S. inlets
- 121 • Wall conduits

## Liner and prefabricated pool

- 122 • Skimmers 15 l
- 124 • Skimmers 17,5 l
- 127 • Skimmer Accessories
- 128 • Main drains
- 132 • Main drain accessories
- 132 • Water level regulators
- 133 • ABS inlets
- 138 • S.S. inlets
- 139 • Wall conduits

- 140 • Skimfilters
- 141 • Swimming pool shell material packs
- 143 • Installation diagrams

# POOL BASIN COMPONENTS

## RANGE OF COLOURS

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### VERSALITY AND COLOUR FOR YOUR POOL

A wide range of embedded components available in different colours for a perfect finish to your pool.



Choice of cover colours for skimmers

## CONCRETE POOL - 15 L SKIMMERS

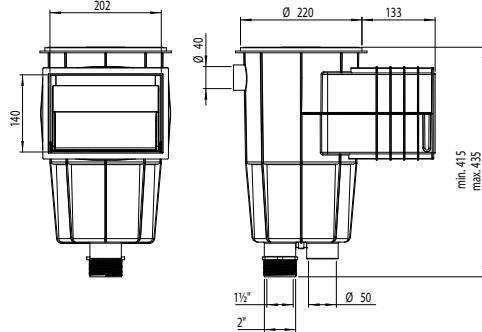
All of the components that are exposed in this range of skimmers come with a UV treatment. Made of white ABS, they come with a weir flap and a flow regulator check valve. Bottom suction nozzle connection: 1½" inner thread, 2" outer thread. Simultaneous connection to the main drain: Ø 50 mm inner wall. Overflow connection: Ø 40 mm. Leaf trap. Recommended flow rate: 5 m<sup>3</sup>/h. It is recommended that one skimmer be installed for every 25 m<sup>2</sup> of water surface area.



Skimmer with standard mouth opening

	Code	Pack. Standard	Weight kg Standard	Volume in m <sup>3</sup> Standard
With round lid	<b>00249</b>	1	2.95	0.059
With round lid, NPT outlets	<b>07455</b>	1	3.15	0.059
With square lid	<b>00250</b>	1	3.15	0.059

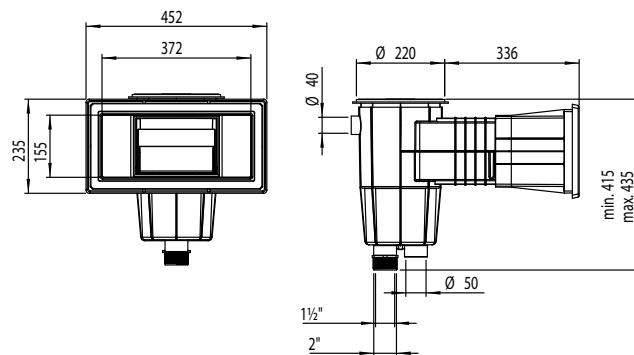
Complies with standards  
**EN 16582-1**  
**EN 16713-2**



Skimmer with wide mouth opening

	Code	Pack. Standard	Weight kg Standard	Volume in m <sup>3</sup> Standard
With round lid	<b>00251</b>	1	4.47	0.12
With square lid	<b>00252</b>	1	3.00	0.12

Complies with standards  
**EN 16582-1**  
**EN 16713-2**





Further information in **PRODUCTS**  
www.astralpool.com

## CONCRETE POOL - 17.5 L SKIMMERS

All of the components that are exposed in this range of skimmers come with a UV treatment. Made of white ABS, they come with a weir flap and a flow regulator check valve. Bottom suction nozzle connection: 1½" inner thread. Simultaneous connection to the main drain: 2" inner thread. Overflow connection: Ø 32 mm. Round cover with spring clip fastening system. The height of the cover can be adjusted and turned through an extended throat, so that it sits perfectly flush with the coping stone. Leaf trap secured to base by means of a bayonet mount. In-built weir flap housing. **Recommended flow rate: 7.5 m<sup>3</sup>/h. It is recommended that one skimmer be installed for every 25 m<sup>2</sup> of water surface area.**

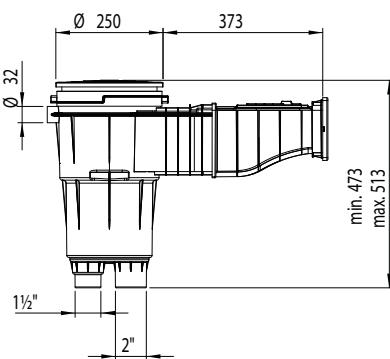


### NORM skimmer

17L skimmer range suitable for installation in public and private pools. Manufactured in white ABS with UV treatment, it comes with a weir flap, flow regulator, lid height adjustment and basket. The water inlet is 495 x 80 mm. Recommended flow rate of 7.5 m<sup>3</sup>/h. Install one skimmer every 25 m<sup>2</sup> of water line surface area. Connections under 1 ½" and 2", water overflow connection of Ø 40 mm.

Code	Pack. Standard	Weight kg Standard	Volume in m <sup>3</sup> Standard
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NORM 17 L skimmer for concrete pools



Complies with Standard  
EN 13451-1-3



Complies with standards  
EN 16582-1  
EN 16713-2

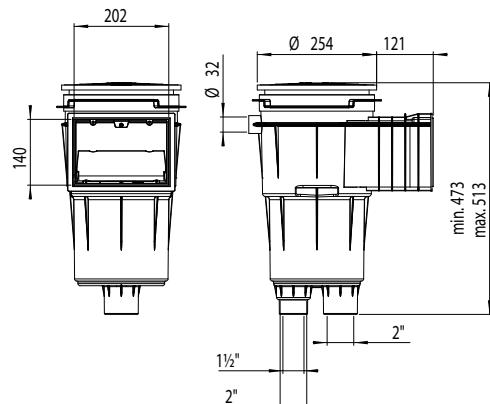


### Skimmer with standard mouth opening

Code	Pack. Standard	Weight kg Standard	Volume in m <sup>3</sup> Standard
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With round lid  
With round lid, NPT outlets  
With square lid

05589	1	4.20	0.062
07563	1	4.20	0.062
11306	1	4.20	0.062



Complies with standards  
EN 16582-1  
EN 16713-2

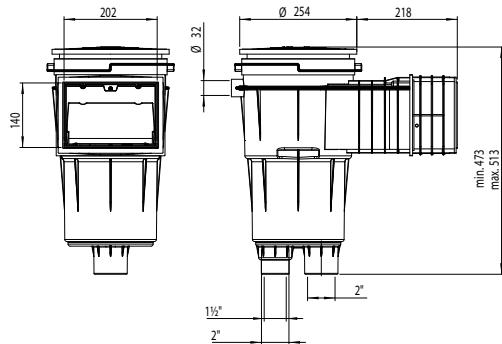
## CONCRETE POOL - 17.5 L SKIMMERS



Skimmer with standard opening and face plate

With round lid  
With square lid

Code	Pack. Standard	Weight kg Standard	Volume in m <sup>3</sup> Standard
05280	1	5.10	0.062
11302	1	5.20	0.062



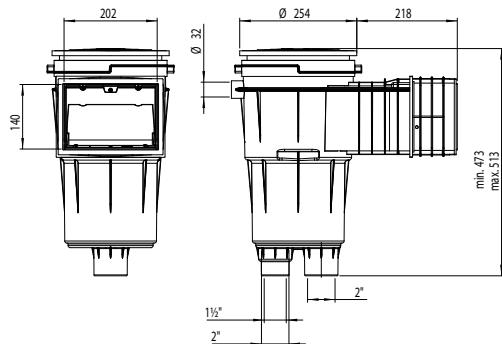
Complies with standards  
EN 16582-1  
EN 16713-2



Skimmer with standard opening and extended throat

With round lid  
With square lid

Code	Pack. Standard	Weight kg Standard	Volume in m <sup>3</sup> Standard
05590	1	4.85	0.077
11307	1	5.90	0.077



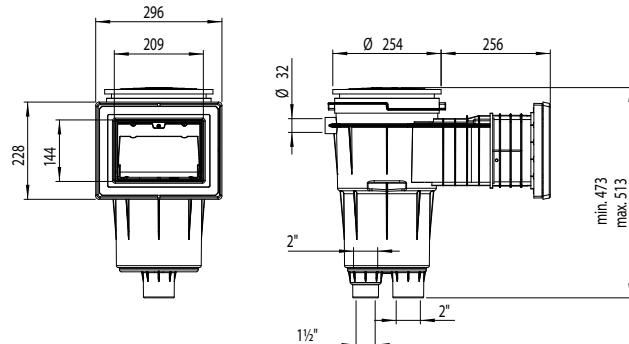
Complies with standards  
EN 16582-1  
EN 16713-2



Skimmer with standard opening, extended throat and face plate

With round lid  
With square lid

Code	Pack. Standard	Weight kg Standard	Volume in m <sup>3</sup> Standard <sup>3</sup>
05281	1	5.09	0.077
11303	1	5.75	0.060



Complies with standards  
EN 16582-1  
EN 16713-2

Further information in PRODUCTS  
[www.astralpool.com](http://www.astralpool.com)

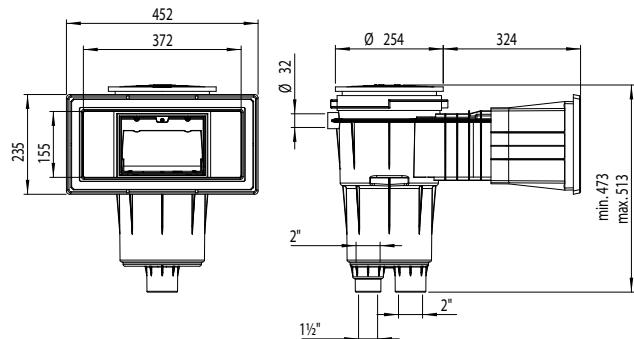
## CONCRETE POOL - 17.5 L SKIMMERS



Skimmer with wide mouth opening

- With round lid
- With round lid, NPT outlets
- With square lid

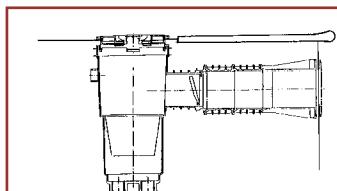
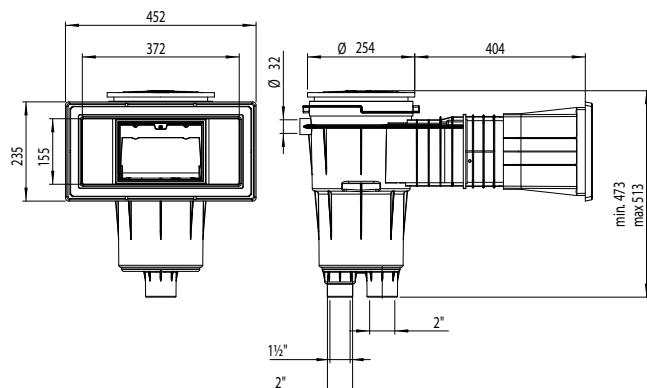
	Code	Pack. Standard	Weight kg Standard	Volume in m <sup>3</sup> Standard
With round lid	05282	1	6.20	0.135
With round lid, NPT outlets	06601	1	-	-
With square lid	11304	1	6.24	0.135

Complies with standards  
EN 16582-1  
EN 16713-2

Skimmer with extended throat and wide opening

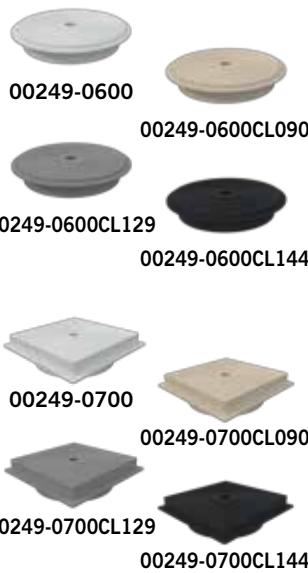
- With round lid
- With square lid

	Code	Pack. Standard	Weight kg Standard	Volume in m <sup>3</sup> Standard
With round lid	05283	1	6.75	0.161
With square lid	11305	1	6.90	0.161

Complies with standards  
EN 16582-1  
EN 16713-2

The 17.5 litre skimmer can be made to order with much larger throat extensions than the standard size. This can be particularly useful if wider coping stones than usual are installed.

## CONCRETE POOL - SKIMMER ACCESSORIES



Covers for 15 l skimmers

Code	Pack. Standard	Weight kg Standard	Volume in m <sup>3</sup> Standard
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**Round cover, round face plate**

White  
Beige  
Light grey  
Anthracite grey

00249-0600      1  
00249-0600CL090      1  
00249-0600CL129      1  
00249-0600CL144      1

**Round cover, square face plate**

White  
Beige  
Light grey  
Anthracite grey

00249-0700      1  
00249-0700CL090      1  
00249-0700CL129      1  
00249-0700CL144      1

00249-0700CL129      00249-0700CL144



Covers for 17.5 l skimmers

Code	Pack. Standard	Weight kg Standard	Volume in m <sup>3</sup> Standard
------	-------------------	-----------------------	--------------------------------------

**Round cover, round face plate**

White  
Beige  
Light grey  
Anthracite grey

05280-0600      1  
05280-0600CL090      1  
05280-0600CL129      1  
05280-0600CL144      1

**Round cover, square face plate**

White  
Beige  
Light grey  
Anthracite grey

05280-0700      1  
05280-0700CL090      1  
05280-0700CL129      1  
05280-0700CL144      1

05280-0700CL129      05280-0700CL144



15 l skimmer cover extension ring

Additional extension ring to increase the distance between the 15 l skimmer and the lid. Additional distance of 25 mm. Made of ABS. The height can be increased by overlaying various connections. It can also be slightly tipped to be level with the ground.

Code	Pack. Standard	Weight kg Standard	Volume in m <sup>3</sup> Standard
19919	17	4.08	0.069



17.5 l skimmer cover extension ring

Additional ring for better adjusting and levelling the 17.5 l skimmer lid to the deck level. Additional distance of 20 mm. Made of white ABS. The height can be increased by overlaying various connections. It can also be slightly tipped to be level with the ground.

Code	Pack. Standard	Weight kg Standard	Volume in m <sup>3</sup> Standard
18153	17	4.70	0.06



Further information in **PRODUCTS**  
www.astralpool.com

## CONCRETE POOL - SKIMMER ACCESSORIES



### Floating weir assembly in ABS

Complete with strainer basket in white ABS.

For 15 l skimmers  
For 17.5 l skimmers

	Code	Pack. Standard	Weight kg Standard	Volume in m <sup>3</sup> Standard
For 15 l skimmers	00253	12	20.5	0.207
For 17.5 l skimmers	05703	12	20.5	0.207



### Prefilters for skimmer basket

Hygienic disposable prefilters for any type of skimmer (with baskets up to Ø 24 cm). They retain the waste that builds up in the skimmer basket. This protects the pump and the filter therefore performs better.

12 units per box.

	Code	Pack. Standard	Weight kg Standard	Volume in m <sup>3</sup> Standard
12 units per box.	25768	12	0.40	0.006

## CONCRETE POOL - STAINLESS STEEL SKIMMERS



### Full A-100 stainless steel skimmer

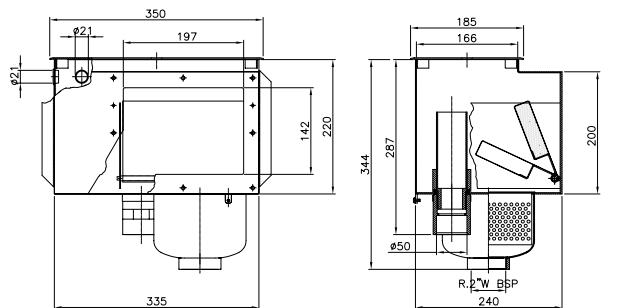
In AISI-316 stainless steel. With Ø 50mm overflow. Stainless steel basket and lid included. Comes with housing for assembling the 00256 level regulator valve (see page 107). With connection for an equipotential outlet. Recommended flow rate: 7.5 m<sup>3</sup>/h. Does not include trim code 00255.

Suction connection, 2" thread

	Code	Pack. Standard	Weight kg Standard	Volume in m <sup>3</sup> Standard
Suction connection, 2" thread	00254	1	8.4	0.04



Complies with standards  
EN 16582-1  
EN 16713-2



### Decorative face plate

For skimmer 00254. Made of AISI-316 stainless steel.

	Code	Pack. Standard	Weight kg Standard	Volume in m <sup>3</sup> Standard
For skimmer 00254	00255	1	0.62	0.003



Complies with standards  
EN 16582-1  
EN 16713-2

## CONCRETE POOL - STAINLESS STEEL SKIMMERS



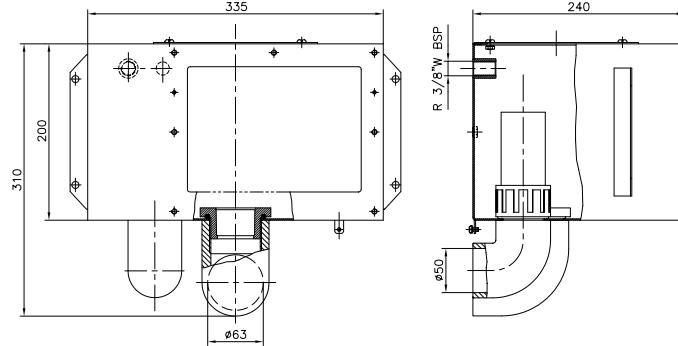
A-201 skimmer body

In AISI-316 stainless steel. With Ø 50mm overflow. Skimmer housing without telescopic lid. Comes with housing for assembling the 00256 level regulator valve (see page 107). With connection for an equipotential outlet. Basket can be removed from front. Does not include trim code 07251.

	Code	Pack. Standard	Weight kg Standard	Volume in m <sup>3</sup> Standard
Ø 63 mm suction connection	07520	1	6.51	0.04



Complies with standards  
EN 16582-1  
EN 16713-2



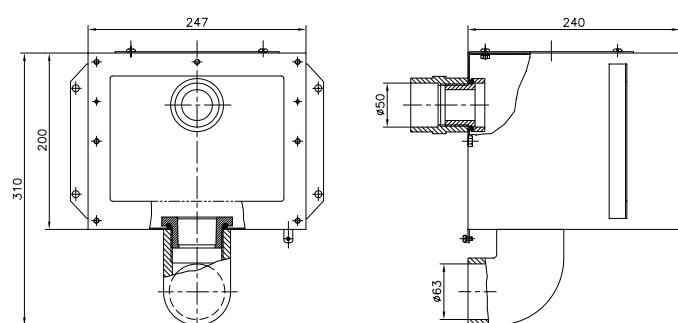
A-202 skimmer body

In AISI-316 stainless steel. With Ø 50 mm overflow. Skimmer housing without telescopic lid. With earth connection. Basket can be removed from front. Does not include trim code 07251.

	Code	Pack. Standard	Weight kg Standard	Volume in m <sup>3</sup> Standard
Ø 63 mm suction connection	07610	1	5.25	0.04



Complies with standards  
EN 16582-1  
EN 16713-2



Further information in PRODUCTS  
[www.astralpool.com](http://www.astralpool.com)

## CONCRETE POOL - STAINLESS STEEL SKIMMERS



## Basket for A-201 and A-202 skimmers

Basket in AISI-316 stainless steel. Includes face plate for direct removal through skimmer opening.

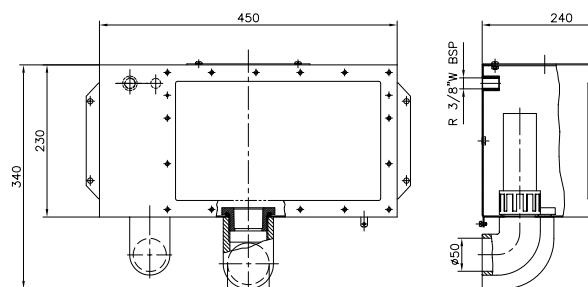
Code	Pack. Standard	Weight kg Standard	Volume in m <sup>3</sup> Standard
07521	1	2.19	0.02

Complies with standards  
EN 16582-1  
EN 16713-2

## A-400 skimmer body

In AISI-316 stainless steel. With Ø 50mm overflow. Skimmer housing without telescopic lid. Comes with housing for assembling the 00256 level regulator valve (see page 107). With connection for an equipotential outlet.

Ø 63 mm suction connection	Code	Pack. Standard	Weight kg Standard	Volume in m <sup>3</sup> Standard
	07523	1	8.0	0.06

Complies with standards  
EN 16582-1  
EN 16713-2

## CONCRETE POOL - STAINLESS STEEL SKIMMER ACCESSORIES



Telescopic lid

In AISI-316 stainless steel. For models A-201, A-202 and A-400. 180 x 180 mm lid. Adjustable height from 60 to 110 mm.

Code	Pack. Standard	Weight kg Standard	Volume in m <sup>3</sup> Standard
07524	1	1.63	0.01



Complies with Standard  
**EN 13451-1-3**



Complies with standards  
**EN 16582-1**  
**EN 16713-2**



Water level regulator valve

Can be fitted to all stainless steel skimmers, except for model A-202. Adjustable opening. 3/8" connection.

Code	Pack. Standard	Weight kg Standard	Volume in m <sup>3</sup> Standard
00256	1	0.21	0.002

## CONCRETE POOL - LEVEL REGULATORS



Universal level regulator

Made of ABS. May be connected from the bottom or side, as required. Semi-die cut outlets to the pool so that the most suitable connection can be made. Adjustable lid height and level.  
For all types of skimmers.

Code	Pack. Standard	Weight kg Standard	Volume in m <sup>3</sup> Standard
15862	1	2.0	0.016



Further information in **PRODUCTS**  
www.astralpool.com

## CONCRETE POOL - DRAINS

All main drains in the range are supplied with UV protection.  
To prevent the risk of suction, install the main drains according to local regulations.

Recommended use:

- Maximum suction rate of 0.5 m/s.
- Install at least 2 main drains, each with a suction capacity able to handle the pool's full flow rate.



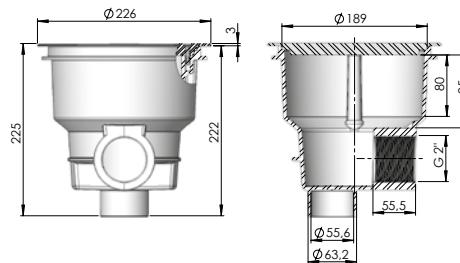
NORM main drain

Range of main drains suitable for public and private swimming pools. Supplied with flat or antivortex grilles. Manufactured in white ABS with UV treatment, fitted with a 2" side outlet and a 1 ½" bottom outlet connection, bottom outlet covered by semi-die cut tab.

	Code	Pack. Standard	Weight kg Standard	Volume in m <sup>3</sup> Standard
Flat grating - White	56378	4	10.60	0.069
Flat grating - Beige	56378CL090	4	10.60	0.069
Flat grating - Light grey	56378CL129	4	10.60	0.069
Flat grating - Anthracite grey	56378CL144	4	10.60	0.069
Antivortex grating - White	56379	4	10.60	0.069
Antivortex grating - Beige	56379CL090	4	10.60	0.069
Antivortex grating - Light grey	56379CL129	4	10.60	0.069
Antivortex grating - Anthracite grey	56379CL144	4	10.60	0.069



Complies with Standard  
EN 13451-1-3      Complies with standards  
EN 16582-1  
EN 16713-2



Also available in other colours



Round Ø 270 mm main drain with ABS grating

Bottom 1 ½" and side 2" outlets. Fully manufactured in white ABS. Side outlet for plug to test watertightness. Bottom outlet with plug and possibility of fitting a hydrostatic valve code 00277 (see page 112) and drainage tube (code 21581, see page 112). Ø 250mm suction grille. Max. flow rate: 13 m<sup>3</sup>/h.

	Code	Pack. Standard	Weight kg Standard	Volume in m <sup>3</sup> Standard
Standard thread	01466	4	5.0	0.045
NPT thread	06579	4	5.0	0.045



Round main drains 2" outlet

Body and grill in ABS. Grill fitted using screws. Max. flow rate: 13 m<sup>3</sup>/h.

	Code	Pack. Standard	Weight kg Standard	Volume in m <sup>3</sup> Standard
Standard thread - White	01467	4	2.8	0.028
Standard thread - Beige	01467CL090	4	2.8	0.028
Standard thread - Light grey	01467CL129	4	2.8	0.028
Standard thread - Anthracite grey	01467CL144	4	2.8	0.028
NPT thread	06583	4	5.0	0.045

## CONCRETE POOL - DRAINS



## Round Ø 200 mm main drain with antivortex grille

Manufactured in white ABS material. 2" side outlet and 1 ½" bottom outlet. Bottom outlet covered by semi-die cut socket, which can be opened as required. Possibility of fitting drainage tube code 21581 (see page 112). Max. flow rate: 13 m<sup>3</sup>/h.

	Code	Pack. Standard	Weight kg Standard	Volume in m <sup>3</sup> Standard
Standard thread	27837	4	2.807	0.033
NPT thread	27841	4	2.807	0.033



## Round Ø 200 mm main drain with flat grille

Made of white ABS. 2" side outlet and 1 ½" bottom outlet. Bottom outlet covered by semi-die cut socket, which can be opened as required. Max. flow rate: 13 m<sup>3</sup>/h.

	Code	Pack. Standard	Weight kg Standard	Volume in m <sup>3</sup> Standard
Standard thread	27839	4	2.807	0.033
NPT thread	27843	4	2.807	0.033



## Main drain with square ABS grille (210 mm x 210 mm)

2" side outlet. Body and grille in white ABS. Grille fitted using screws. Max. flow rate: 13 m<sup>3</sup>/h.

	Code	Pack. Standard	Weight kg Standard	Volume in m <sup>3</sup> Standard
	00258	4	4.0	0.044



Complies with standards  
EN 16582-1  
EN-16713-2



00268

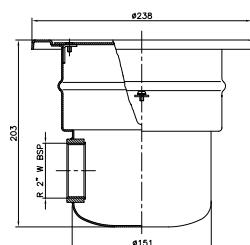
## Round main drain in stainless steel. 2" outlet

2" side outlet. Made of stainless steel. AISI-316. Grille fitted using screws. Maximum flow rate: 13 m<sup>3</sup>/h.

	Code	Pack. Standard	Weight kg Standard	Volume in m <sup>3</sup> Standard
2" side outlet"	00268	1	2.56	0.02
2" side outlet and 1 ½" bottom outlet connection	26196	1	2.80	0.02



26196



Complies with Standard  
EN 13451-1-3



Complies with standards  
EN 16582-1  
EN-16713-2



Further information in **PRODUCTS**  
www.astralpool.com

## CONCRETE POOL - DRAINS



Complies with standards  
**EN 16582-1**  
**EN-16713-2**

### Main drain with square cover in stainless steel. Outlet 1 1/2"

Bottom outlet 1 1/2". Manufactured in stainless steel. AISI-316 Antivortex lid. Can be used in concrete and prefabricated pools with an 00276 adapter. Maximum flow rate: 6 m<sup>3</sup>/h.

	Code	Pack. Standard	Weight kg Standard	Volume in m <sup>3</sup> Standard
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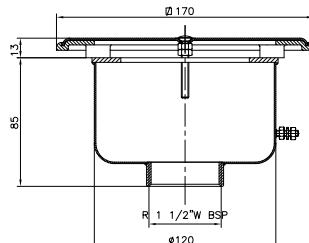
Bottom 1 1/2" outlet

**08463**

1

1.14

0.01



### Main drain with square cover in stainless steel. 2" outlet

2" side outlet. Manufactured in stainless steel. AISI-316. Antivortex lid. Can be used in concrete and prefabricated pools with a 00276 adapter (see page 130). Maximum flow rate: 6 m<sup>3</sup>/h.

	Code	Pack. Standard	Weight kg Standard	Volume in m <sup>3</sup> Standard
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**00269**

1

1.14

0.01



### NORM main drain in polyester and fibreglass - 330 mm x 330 mm

Range of main drains manufactured in polyester resin and fibreglass. Grille in stainless steel or plastic. Optional hydrostatic valve.

Grille in stainless steel Outlet connection to be glued	Grille	Flow rate	Code	Pack. Standard	Weight kg Standard	Volume in m <sup>3</sup> Standard
Ø 75 mm	S.S.	15 m <sup>3</sup> /h	<b>20282N</b>	1	8	0.08
Ø 90 mm	S.S.	23 m <sup>3</sup> /h	<b>20283N</b>	1	9	0.08
Ø 110 mm	S.S.	27 m <sup>3</sup> /h	<b>20284N</b>	1	10	0.08

Plastic grille Outlet connection to be glued	Grille	Flow rate	Code	Pack. Standard	Weight kg Standard	Volume in m <sup>3</sup> Standard
Ø 75 mm	Plastic	15 m <sup>3</sup> /h	<b>22359N</b>	1	8	0.08
Ø 90 mm	Plastic	23 m <sup>3</sup> /h	<b>22360N</b>	1	9	0.08
Ø 110 mm	Plastic	28 m <sup>3</sup> /h	<b>22361N</b>	1	10	0.08
Ø 125 mm	Plastic	37 m <sup>3</sup> /h	<b>22362N</b>	1	11	0.08



Complies with Standard  
**EN 13451-1/3 2012**

Minimum depth of installation: 1.5 m. Maximum recommended flow rate down drain: 103 m<sup>3</sup>/h (0.5 m/s).

## CONCRETE POOL - DRAINS



Model in polyester and fibreglass - 330 mm x 330 mm



With a gelcoat finish. With optional hydrostatic valve.

Code	Pack. Standard	Weight kg Standard	Volume in m <sup>3</sup> Standard
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Grille in stainless steel. AISI-316. Holes &lt; 8 mm

Outlet connection Grille Flow rate

to be glued

Ø 75 mm	AISI-316	16 m <sup>3</sup> /h	<b>20282</b>	1	5	0.047
Ø 90 mm	AISI-316	22 m <sup>3</sup> /h	<b>20283</b>	1	5	0.047
Ø 110 mm	AISI-316	33 m <sup>3</sup> /h	<b>20284</b>	1	5	0.047



Grille in ABS plastic with protection against UV rays.

Outlet connection Grille Flow rate

to be glued

Ø 75 mm	Plastic	16 m <sup>3</sup> /h	<b>22359</b>	1	4.5	0.034
Ø 90 mm	Plastic	22 m <sup>3</sup> /h	<b>22360</b>	1	4.5	0.034
Ø 110 mm	Plastic	33 m <sup>3</sup> /h	<b>22361</b>	1	4.5	0.034
Ø 125 mm	Plastic	43 m <sup>3</sup> /h	<b>22362</b>	1	4.5	0.034

Optional standard American size and antivortex in standard American size

Maximum recommended flow rate in accordance with standard EN 13451-1.



NORM main drain in polyester and fibreglass - 512 mm x 512 mm



Range of drains manufactured in polyester resin and fibreglass. Grille in AISI-316 stainless steel or plastic. Optional hydrostatic valve.

Code	Pack. Standard	Weight kg Standard	Volume in m <sup>3</sup> Standard
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Grille in stainless steel

Outlet connection Grille Flow rate

to be glued

Ø 110 mm	S.S.	42 m <sup>3</sup> /h	<b>20285N</b>	1	16	0.23
Ø 125 mm	S.S.	51 m <sup>3</sup> /h	<b>20286N</b>	1	17	0.23
Ø 140 mm	S.S.	66 m <sup>3</sup> /h	<b>20287N</b>	1	18	0.23
Ø 160 mm	S.S.	95 m <sup>3</sup> /h	<b>20288N</b>	1	19	0.23
Ø 200 mm	S.S.	103 m <sup>3</sup> /h	<b>20289N</b>	1	20	0.23

Plastic grille

Outlet connect. Grille Flow rate

to be glued

Ø 110 mm	Plastic	42 m <sup>3</sup> /h	<b>28709N</b>	1	15	0.23
Ø 125 mm	Plastic	51 m <sup>3</sup> /h	<b>28710N</b>	1	16	0.23
Ø 140 mm	Plastic	66 m <sup>3</sup> /h	<b>28711N</b>	1	17	0.23
Ø 160 mm	Plastic	95 m <sup>3</sup> /h	<b>28712N</b>	1	18	0.23
Ø 200 mm	Plastic	103 m <sup>3</sup> /h	<b>28713N</b>	1	19	0.23

Complies with Standard EN 13451-1/3 2012

Optional:  
Standard American sizesMinimum depth of installation: 1.5 m. Maximum recommended flow rate down drain: 103 m<sup>3</sup>/h (0.5 m/s).



Further information in **PRODUCTS**  
www.astralpool.com

## CONCRETE POOL - DRAINS



Model in polyester and fibreglass - 512 mm x 512 mm



With a gelcoat finish. With optional hydrostatic valve.

	Code	Pack. Standard	Weight kg Standard	Volume in m <sup>3</sup> Standard
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**Grille in AISI-316 stainless steel. Holes < 8 mm**

Outlet connection    Grille    Flow rate

to be glued

Ø 110 mm	AISI-316	33 m <sup>3</sup> /h	<b>20285</b>	1	11.5	0.132
Ø 125 mm	AISI-316	43 m <sup>3</sup> /h	<b>20286</b>	1	11.5	0.132
Ø 140 mm	AISI-316	54 m <sup>3</sup> /h	<b>20287</b>	1	11.5	0.132
Ø 160 mm	AISI-316	70 m <sup>3</sup> /h	<b>20288</b>	1	11.5	0.132
Ø 200 mm	AISI-316	100 m <sup>3</sup> /h	<b>20289</b>	1	11.5	0.132



**Grille in ABS plastic with protection against UV rays.**

Outlet connection    Grille    Flow rate

to be glued

Ø 110 mm	Plastic	33 m <sup>3</sup> /h	<b>28709</b>	1	11.5	0.132
Ø 125 mm	Plastic	43 m <sup>3</sup> /h	<b>28710</b>	1	11.5	0.132
Ø 140 mm	Plastic	54 m <sup>3</sup> /h	<b>28711</b>	1	11.5	0.132
Ø 160 mm	Plastic	70 m <sup>3</sup> /h	<b>28712</b>	1	11.5	0.132
Ø 200 mm	Plastic	100 m <sup>3</sup> /h	<b>28713</b>	1	11.5	0.132

Maximum recommended flow rate in accordance with standard EN 13451-1.

## CONCRETE POOL - DRAIN ACCESSORIES



### Hydrostatic valve

To alleviate the pressure that can build up under the pool shell due to groundwater, it is recommended that a hydrostatic valve and a drainage pipe be fitted to the main drain. Hydrostatic valve to be fitted to the 2" bottom outlet on main drains. Made of white ABS, with stainless steel screw and spring. 1½" male thread.

	Code	Pack. Standard	Weight kg Standard	Volume in m <sup>3</sup> Standard
	<b>00277</b>	4	1.0	0.003



### Drainage pipe

Drainage pipe with 1½" BSP thread connection for main drains with code numbers 01466, 27837 and 27839. Made of ABS.

	Code	Pack. Standard	Weight kg Standard	Volume in m <sup>3</sup> Standard
	<b>21581</b>	24	3.54	0.021

## CONCRETE POOL - DRAIN GRILLES



Flush-fit antivortex cover

Special flush-fit design that enables pool cleaners to go over it without blocking it up. Smooth slopes.

The 415 mm x 415 mm cover (25344) can be fitted to the following main drains:

## With stainless steel grille:

- 20282
- 20283
- 20284

## With plastic grille:

- 22359
- 22360
- 22361
- 22362

The 570 mm x 570 mm cover (28556) can be fitted to the following main drains:

## With stainless steel grille:

- 20285
- 20286
- 20287
- 20288

## With plastic grille:

- 28709
- 28710
- 28711
- 28712



Code	Pack. Standard	Weight kg Standard	Volume in m <sup>3</sup> Standard
<b>25344</b>	1	2.25	0.012
<b>28556</b>	1	4.00	0.032



Complies with Standard  
**EN 13451-1-3**



Ø 200 drain grille in ABS



Ring support and grille in white ABS. Supplied with grille fixing screws.

Code	Pack. Standard	Weight kg Standard	Volume in m <sup>3</sup> Standard
<b>00280</b>	10	3.0	0.031



Ø 200 drain grille in stainless steel



Support ring in white plastic, grille in AISI-316 stainless steel. Supplied with grille fixing screws. Maximum recommended flow rate: 13 m<sup>3</sup>/h.

Code	Pack. Standard	Weight kg Standard	Volume in m <sup>3</sup> Standard
<b>00279</b>	10	6.0	0.02



Complies with Standard  
**EN 13451-1-3**



Complies with standards  
**EN 16582-1**  
**EN 16713-2**



Further information in **PRODUCTS**  
www.astralpool.com

## CONCRETE POOL - DRAIN GRILLES



### Ø 300 drain grille in stainless steel



Support ring in aluminium, grille in AISI-316 stainless steel. Supplied with grille fixing screws. Maximum recommended flow rate: 27 m<sup>3</sup>/h.

Code	Pack. Standard	Weight kg Standard	Volume in m <sup>3</sup> Standard
00282	4	5.8	0.02



Complies with Standard  
EN 13451-1:3



Complies with standards  
EN 16582-1  
EN 16713-2



### Drain grille in stainless steel



Designed for concrete pools. Support frame and grille in polished stainless steel. Supplied with fixing screws. Other sizes can be made to order.

AISI-304	Code	Pack. Standard	Weight kg Standard	Volume in m <sup>3</sup> Standard
<b>Size (mm)</b>	<b>Max. recommended flow rate</b>			
200 x 200	15 m <sup>3</sup> /h (0.5 m/s)	00284	1	1.2
300 x 300	43 m <sup>3</sup> /h (0.5 m/s)	00285	1	2.2
400 x 400	83 m <sup>3</sup> /h (0.5 m/s)	00286	1	4.0
500 x 500	136 m <sup>3</sup> /h (0.5 m/s)	00287	1	4.5

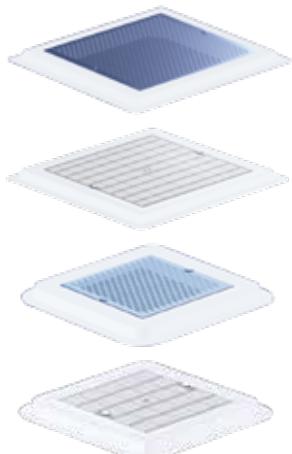


Complies with Standard  
EN 13451-1:3



Complies with standards  
EN 16582-1  
EN 16713-2

AISI-316	Code	Pack. Standard	Weight kg Standard	Volume in m <sup>3</sup> Standard
<b>Size (mm)</b>	<b>Max. recommended flow rate</b>			
200 x 200	15 m <sup>3</sup> /h (0.5 m/s)	30764	1	1.2
300 x 300	43 m <sup>3</sup> /h (0.5 m/s)	30765	1	2.2
400 x 400	83 m <sup>3</sup> /h (0.5 m/s)	30766	1	4.0
500 x 500	136 m <sup>3</sup> /h (0.5 m/s)	30767	1	4.5



### Range of drain grilles



Available in stainless steel and plastic. Frames manufactured in polyester resin and fibreglass with a gelcoat finish. Possibility of fitting antivortex lids with code numbers 25344 and 28556 (see page 113).

	Code	Pack. Standard	Weight kg Standard	Volume in m <sup>3</sup> Standard
<b>Stainless steel drain grille</b> 490 mm x 490 mm	28560	1	5.0	0.029
<b>Plastic drain grille</b> 490 mm x 490 mm	28561	1	4.7	0.029
<b>Stainless steel drain grille</b> 345 mm x 345 mm	28562	1	3.0	0.029
<b>Plastic drain grille</b> 345 mm x 345 mm	28563	1	2.9	0.029



### Drain grille for private pools

Range of drain grilles for use in private and public pools. Optional grilles in plastic or stainless steel. Frames made of plastic. Excellent finish.

	Code	Pack. Standard	Weight kg Standard	Volume in m <sup>3</sup> Standard
Plastic grille 252 x 252 mm.	34331	1	-	0.0129
Stainless steel grille 252 x 252 mm.	34332	1	-	0.0129
Plastic grille 410 x 410 mm.	34333	1	-	0.0540
Stainless steel grille 410 x 410 mm.	34334	1	-	0.0540

## CONCRETE POOL - ABS INLETS

## MULTIFLOW SYSTEM

The inlet's eyeball is supplied pre-marked with a number of diameters (14–20 and 25). With the help of a punch (also supplied with the inlet) one of the diameters can be cut out at the time of installation. Max. recommended flow rate for a max. flow of 4 m/s:  
 $\varnothing 14 \text{ mm} = 2.2 \text{ m}^3/\text{h}$ ,  $\varnothing 20 \text{ mm} = 4.5 \text{ m}^3/\text{h}$ ,  $\varnothing 25 \text{ mm} = 7 \text{ m}^3/\text{h}$



## NORM return inlets



Range of inlets suitable for installation in public and private pools. Manufactured in white ABS with UV treatment.

	Code	Pack. Standard	Weight kg Standard	Volume in m <sup>3</sup> Standard
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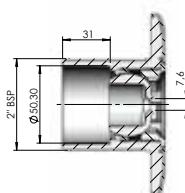
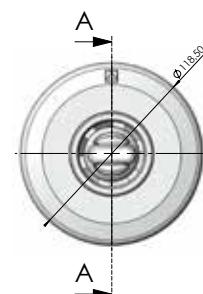
NORM return inlet for concrete pools

**56498**

24

4.5

0.020



Complies with Standard  
**EN 13451-1-3**



## Multiflow return inlet to be glued

To be glued to a  $\varnothing 50 \text{ mm}$  PN 10 pipe. Made of white ABS.

	Code	Pack. Standard	Weight kg Standard	Volume in m <sup>3</sup> Standard
--	------	-------------------	-----------------------	--------------------------------------

Standard inlet

**24413**

40

4.0

0.020

Standard American 1/12" inlet

**06590**

36

3.5

0.021

Complies with standards  
**EN 16582-1**  
**EN 16713-2**



## Multiflow return inlet to be glued in concrete pools

Made of white ABS. To be glued to a  $\varnothing 50 \text{ mm}$  PN 10 pipe.

	Code	Pack. Standard	Weight kg Standard	Volume in m <sup>3</sup> Standard
--	------	-------------------	-----------------------	--------------------------------------

Standard American 1/12" inlet

**33428**

40

6.6

0.021

Complies with standards  
**EN 16582-1**  
**EN 16713-2**



Further information in **PRODUCTS**  
www.astralpool.com

## CONCRETE POOL - ABS INLETS



### Threaded Multiflow return inlet

Outer 2" thread and Ø 50 mm inner wall to be glued. Made of white ABS. Recommended for installation with wall conduits: codes 15658 and 15659.

Code	Pack. Standard	Weight kg Standard	Volume in m <sup>3</sup> Standard
00295	24	4.35	0.020



Complies with standards  
**EN 16582-1**  
**EN 16713-2**



### Multiflow return inlet to be glued

To be glued to Ø 63 mm PN 6 outer wall and Ø 50 mm inner wall. Made of white ABS. Recommended for installation with wall conduits: code numbers 15661 and 15660.

Code	Pack. Standard	Weight kg Standard	Volume in m <sup>3</sup> Standard
00298	24	4.24	0.020



Complies with standards  
**EN 16582-1**  
**EN 16713-2**



### Return inlet/suction nozzle for high flow rates



Return inlet for large flow rates that can also be used as a suction nozzle. Maximum suction flow rate of 30m<sup>3</sup>/h for a maximum flow rate speed of 4 m/s. Maximum suction flow rate of 5 m<sup>3</sup>/h for a maximum flow rate speed of 0.5 m/s. PVC body. Connection for Ø 75 or Ø 90mm pipe. Inlets can be installed into bushing 43590 (see page 135). Grille can be adjusted in any direction.

Code	Pack. Standard	Weight kg Standard	Volume in m <sup>3</sup> Standard
41520	16	4.20	0.021

Return inlet/suction nozzle  
for large flows and concrete pools



Complies with Standard  
**13451-1-3**



Complies with standards  
**EN 16582-1**  
**EN 16713-2**



### Inlet with Ø 20mm ball for gluing

Manufactured in white ABS. To be glued to a Ø 20mm PN 10 pipe.

Code	Pack. Standard	Weight kg Standard	Volume in m <sup>3</sup> Standard
33501	50	2.9	0.020

Standard inlet



Complies with standards  
**EN 16582-1**  
**EN 16713-2**

## CONCRETE POOL - ABS INLETS



Return nozzle

In weatherproof, UV-resistant ABS. 3 adjustable positions. (100%, 65%, 35%). Maximum recommended flow rate compliant with standard EN 13451-1: 13.5 m<sup>3</sup>/h. Connection: outer Ø 63 mm wall.

Code	Pack. Standard	Weight kg Standard	Volume in m <sup>3</sup> Standard
<b>15863</b>	24	3.4	0.020



Complies with Standard  
13451-1-3



Complies with standards  
EN 16582-1  
EN 16713-2



**00303**



Pool floor return inlet

All-in-one return inlet and suction nozzle. Adjustable flow rate. Made of ABS plastic and screws in stainless steel. Maximum recommended flow rate compliant with standard EN 13451-1: 12 m<sup>3</sup>/h.

Code	Pack. Standard	Weight kg Standard	Volume in m <sup>3</sup> Standard	
<b>00303</b>	24	5.0	0.020	
<b>00303CL090</b>	24	5.0	0.020	
<b>00303CL129</b>	24	5.0	0.020	
<b>00303CL144</b>	24	5.0	0.020	
NPT outlets	<b>19821</b>	24	5.0	0.020
To glue onto Ø 63 mm PN 6, inner Ø 50 mm	<b>20140</b>	20	4.4	0.021



Complies with Standard  
13451-1-3



Complies with standards  
EN 16582-1  
EN 16713-2



3" adjustable pool floor return inlet

Made of white ABS plastic. Suction. Flow rate adjusted by turning the grille. Suction surface area: 0.015 m<sup>2</sup>. Outer Ø 295 mm wall. Flow rate (0.4 m/s) 20 m<sup>3</sup>/h. Max. recommended flow rate compliant with standard EN 13451-1: 26 m<sup>3</sup>/h (0.5 m/s.).

Code	Pack. Standard	Weight kg Standard	Volume in m <sup>3</sup> Standard
<b>08317</b>	2	2.65	0.047
<b>11796</b>	2	2.65	0.047



**22353**



Pool floor return inlet with swivel joint

Swivel body in PVC. Cover in ABS. Adjuster screw in POM. Maximum flow rate of 10 m<sup>3</sup>/h. Fits to Ø 75 mm piping and wall conduit with code number 21248.

Code	Pack. Standard	Weight kg Standard	Volume in m <sup>3</sup> Standard
<b>22353</b>	24	4.1	0.022
<b>22353CL090</b>	24	4.1	0.022
<b>22353CL129</b>	24	4.1	0.022
<b>22353CL144</b>	24	4.1	0.022



Complies with Standard  
13451-1-3



Complies with standards  
EN 16582-1  
EN 16713-2



Further information in **PRODUCTS**  
www.astralpool.com

## CONCRETE POOL - ABS INLETS



Wall conduit for pool floor return inlet with swivel joint (Net'n'Clean reduction)



Diameter of the piping adjusted to glue in inlet 22353. Connection to piping for Ø 50 mm inner wall and Ø 63 mm outer wall.

Code	Pack. Standard	Weight kg Standard	Volume in m <sup>3</sup> Standard
<b>21248</b>	12	7.3	0.032



### Suction nozzle

To be glued to Ø 63 mm and Ø 50 mm piping. Maximum pressure: 6 bar. Made of white ABS. 1½" thread. Recommended for installation with wall conduits: code numbers 15661 and 15660.

Code	Pack. Standard	Weight kg Standard	Volume in m <sup>3</sup> Standard
------	-------------------	-----------------------	--------------------------------------

Standard inlet  
Standard American sized nozzle.

**00300** 24 3.62 0.020  
**23579** 24 3.62 0.020



Complies with Standard  
13451-1-3



Complies with standards  
EN 16582-1  
EN 16713-2



### Suction nozzle

Outer 2" thread, Ø 50 mm inner wall. Maximum pressure: 6 bar. Made of white ABS with 1½" threaded plug. Recommended for installation with wall conduits (codes 15658 and 15659).

Code	Pack. Standard	Weight kg Standard	Volume in m <sup>3</sup> Standard
------	-------------------	-----------------------	--------------------------------------

Standard inlet  
NPT outlet

**00301** 24 3.8 0.020  
**06594** 24 3.8 0.020



Complies with Standard  
13451-1-3



Complies with standards  
EN 16582-1  
EN 16713-2



### Suction nozzle

To be glued to a Ø 50 PN 10 pipe. Made of white ABS with 1½" threaded plug. For end connector 07958 and push fit connector 01393. Recommended for installation with wall conduits (codes 15658 and 15659).

Code	Pack. Standard	Weight kg Standard	Volume in m <sup>3</sup> Standard
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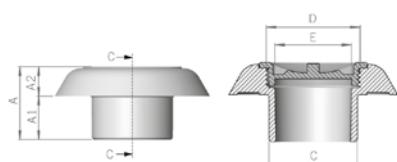
**24415** 50 3.72 0.02



Complies with Standard  
13451-1-3



Complies with standards  
EN 16582-1  
EN 16713-2



### Suction inlet

To be glued to a Ø 63 mm pipe. Body and grille in ABS plastic, screws in stainless steel. Its characteristics make this nozzle particularly suitable for overflow channels. Maximum flow rate: 7 m<sup>3</sup>/h.

Code	Pack. Standard	Weight kg Standard	Volume in m <sup>3</sup> Standard
------	-------------------	-----------------------	--------------------------------------

**00302** 12 3.1 0.016

## CONCRETE POOL - ABS INLETS



## Hydromassage kit

Made up of a return inlet and wall conduit fitted with an air inlet and a venturi. Two wall conduit lengths available. Ø 50 mm water connection pipe and Ø 20 mm air suction pipe.

Code	Pack. Standard	Weight kg Standard	Volume in m <sup>3</sup> Standard
------	-------------------	-----------------------	--------------------------------------

## Hydromassage kit for concrete pools:

Length of wall conduit 190 mm  
Length of wall conduit 280 mm

**32113** 12 3.5 0.021  
**32370** 12 3.6 0.021

Hydromassage kit for concrete pools  
with a liner:

Length of wall conduit 190 mm  
Length of wall conduit 275 mm

**31443** 12 3.5 0.021  
**32371** 8 3.5 0.021

## CONCRETE POOL - STAINLESS STEEL INLETS



## BReturn inlet with Ø 20mm ball

1 ½" external thread. Manufactured in AISI-316 stainless steel. Maximum recommended flow of 4.5 m<sup>3</sup>/hour according to EN 16582-1 and EN 16713-2 standards if installed at a maximum of 500 mm below pool water level. Ø 20mm ball.

Code	Pack. Standard	Weight kg Standard	Volume in m <sup>3</sup> Standard
<b>32994</b>	1	0.3	0.001
<b>16325</b>	1	0.3	0.001
<b>16326</b>	1	0.5	0.001



Complies with standards  
**EN 16582-1**  
**EN 16713-2**



## BReturn inlet with Ø 25 mm ball

1 ½" external thread. Manufactured in AISI-316 stainless steel. Maximum recommended flow according to EN 13451-3 standard: 7 m<sup>3</sup>/h. Ø 25 mm ball

Code	Pack. Standard	Weight kg Standard	Volume in m <sup>3</sup> Standard
<b>69874</b>	1	0.3	0.001
<b>69875</b>	1	0.3	0.001
<b>69876</b>	1	0.5	0.001



Complies with Standard  
**EN 13451-1-3**



Complies with standards  
**EN 16582-1**  
**EN 16713-2**



## Adjustable pool floor return inlet

2" external thread. Made of AISI-316 stainless steel. Can be fitted in concrete and prefabricated pools. The water flow can be adjusted by loosening or tightening the central screw. Max. recommended flow rate compliant with standard EN 13451-3: 14 m<sup>3</sup>/h.

Code	Pack. Standard	Weight kg Standard	Volume in m <sup>3</sup> Standard
<b>15839</b>	1	0.9	0.002



Complies with Standard  
**EN 13451-1-3**



Complies with standards  
**EN 16582-1**  
**EN 16713-2**



Further information in **PRODUCTS**  
www.astralpool.com

## CONCRETE POOL - STAINLESS STEEL INLETS



### Suction nozzle

1 ½" external thread. Manufactured in AISI-316 stainless steel. Push-fit connection 05684 required (see page 261).

Code	Pack. Standard	Weight kg Standard	Volume in m <sup>3</sup> Standard
------	-------------------	-----------------------	--------------------------------------

Length 50 mm  
Length with cover: 50 mm

**16328** 1 0.2 0.001  
**21644** 1 0.3 0.001



Complies with Standard  
**EN 13451-1-3**



Complies with standards  
**EN 16582-1  
EN 16713-2**



### Adjustable return inlet

Manufactured in chrome-plated brass. Grille in AISI-316 stainless steel.

Code	Pack. Standard	Weight kg Standard	Volume in m <sup>3</sup> Standard
------	-------------------	-----------------------	--------------------------------------

Max. flow rate: 21 m<sup>3</sup>/h 2" inner thread  
Max. flow rate: 40 m<sup>3</sup>/h 3" inner thread

**00312** 12 7.0 0.013  
**00313** 6 10.0 0.014



Complies with Standard  
**EN 13451-1-3**



Complies with standards  
**EN 16582-1  
EN 16713-2**



### Suction nozzle with sliding cover

Manufactured in chrome-plated brass. Faceplate in AISI-304 stainless steel. Pressure connection, 2" internal thread. Sleeve 01392 is needed (see page 261) couples to hose

Code	Pack. Standard	Weight kg Standard	Volume in m <sup>3</sup> Standard
------	-------------------	-----------------------	--------------------------------------

**00315** 12 8.0 0.008



Complies with Standard  
**EN 13451-1-3**



Complies with standards  
**EN 16582-1  
EN 16713-2**



### Suction nozzle with threaded cover

Made of chrome plated brass. Screws into 2" inner thread (01395 coupling is required for hose).

Code	Pack. Standard	Weight kg Standard	Volume in m <sup>3</sup> Standard
------	-------------------	-----------------------	--------------------------------------

**00317** 12 10.0 0.012



Complies with Standard  
**EN 13451-1-3**



Complies with standards  
**EN 16582-1  
EN 16713-2**

## CONCRETE POOL - WALL BUSHINGS

Range of 300 mm long conduits for Ø 2" inlets and Multiflow that can be cut to different lengths, depending on the thickness of the pool wall. Made of ABS. The ribs of the end plates have holes for fitting the wall conduit to the pool structure, which makes assembly straightforward.



### Wall conduit in ABS

Wall conduit with 2" rear male thread and Ø 50 mm smooth inner wall	Code	Pack. Standard	Weight kg Standard	Volume in m <sup>3</sup> Standard
2" front female thread nozzles with 2" male thread	15658	15	4.3	0.040
Smooth Ø 59.3 mm front connection for nozzles to be glued to Ø 63 mm piping, 6-bar piping and MINI projector (code 33684)	15661	15	4.2	0.040
Wall conduit with smooth Ø 63 mm rear connection and smooth Ø 50 mm inner wall				
2" front female thread nozzles with 2" male thread	15659	15	4.2	0.040
Smooth Ø 59.3 mm front connection for nozzles to be glued to Ø 63 mm piping, 6-bar piping and MINI projector (code 33684)	15660	15	5.6	0.040



### Wall conduits in PVC

Grey PVC.	Code	Pack. Standard	Weight kg Standard	Volume in m <sup>3</sup> Standard
<b>150 mm long</b> 2" outer thread + Ø 50 mm inner, 2" inner thread	00322	40	3.0	0.011
<b>300 mm long</b> 2" female and male thread connection	00323	20	3.0	0.011
2" rear male thread pipe connection or smooth inner wall for MINI projector (33684)	00324	20	3.0	0.011
2" outer thread + Ø 50 mm inner, 1½" inner thread	00325	20	3.0	0.011
2" outer thread + Ø 50 mm inner wall. Ø 50 mm inner wall specially for nozzles with code numbers 00289, 07957, 00304, 00305 and 00306.	00326	20	3.0	0.011



### Stainless steel wall conduits

In AISI-304 stainless steel. Both ends with 1½" inner thread. With earth connection.

Length 240 mm	Code	Pack. Standard	Weight kg Standard	Volume in m <sup>3</sup> Standard
Length 240 mm	00327	1	0.7	0.003
Length 340 mm	00328	1	0.8	0.005

## CONCRETE POOL - WINTER ACCESSORIES



### Winter plugs

For covering inlets and protecting them from freezing.

For 1½" inlets	Code	Pack. Standard	Weight kg Standard	Volume in m <sup>3</sup> Standard
For 1½" inlets	53849	-	-	-
For 2" inlets	06212	-	-	-

Choice of cover colours for skimmers

## LINER AND PRE-FABRICATED POOL - 15L SKIMMERS

All of the components that are exposed in this range of skimmers come with a UV treatment. Made of white ABS, they come with a weir flap and a flow regulator check valve. Bottom suction nozzle connection: 1½" inner thread, 2" outer thread. Simultaneous connection to the main drain: Ø 50 mm inner wall. Overflow connection: Ø 40 mm. Leaf trap. Recommended flow rate: 7.5 m<sup>3</sup>/h. It is recommended that one skimmer be installed for every 25 m<sup>2</sup> of water surface area. All skimmers come in two different models: the model with inserts and the PARKER model, which is supplied with self-tapping screws.



Complies with standards  
EN 16582-1  
EN 16713-2

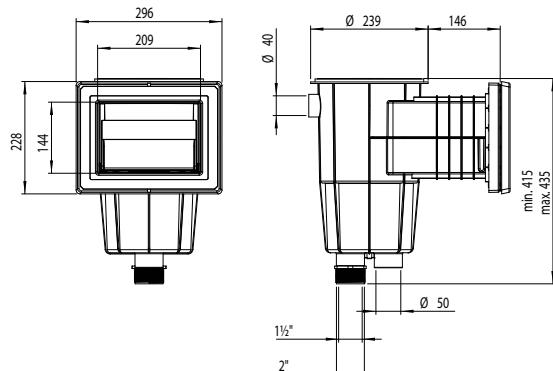
### Skimmer with standard mouth opening

Supplied with adhesive gasket, bi-injection moulded frame, flange and screws.

Comes with round snap-on cover  
Comes with square snap-on cover

Code	Pack. Standard	Weight kg Standard	Volume in m <sup>3</sup> Standard
------	-------------------	-----------------------	--------------------------------------

01461 1 4.0 0.059  
01462 1 4.2 0.059



01464



01464CL090



01464CL129



01464CL144



Complies with standards  
EN 16582-1

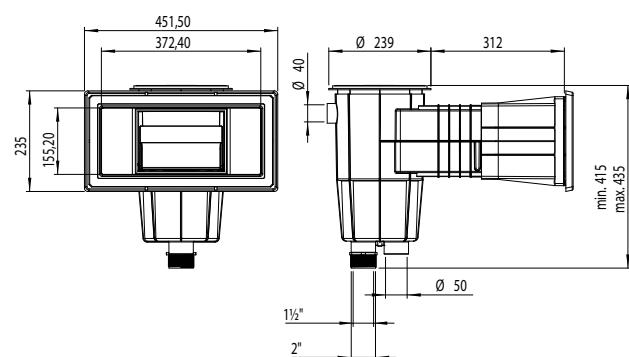
### Skimmer with wide mouth opening

Supplied with adhesive gaskets, flange and screws.

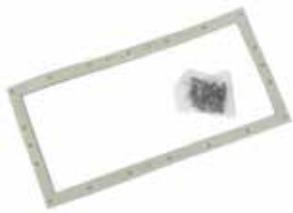
Comes with round snap-on cover - White  
Comes with square snap-on cover - White  
Comes with square snap-on cover - Beige  
Comes with square snap-on cover - Light grey  
Comes with square snap-on cover - Anthracite grey

Code	Pack. Standard	Weight kg Standard	Volume in m <sup>3</sup> Standard
------	-------------------	-----------------------	--------------------------------------

01463 1 5.04 0.12  
01464 1 5.28 0.12  
01464CL090 1 5.28 0.12  
01464CL129 1 5.28 0.12  
01464CL144 1 5.28 0.12



Complies with standards  
EN 16582-1

**LINER AND PRE-FABRICATED POOL - 15L SKIMMERS****Double gasket kits for skimmers**

Kits made up of a double gasket and the screws necessary for the installation of skimmers in panel pools. Made of TPE, the kit enables the installation of various accessories in pool shells and protects the panelling from coming into contact with water. Easy to install. Prevents corrosion of the panelling in the area that has been die cut.

	Code	Pack. Standard	Weight kg Standard	Volume in m <sup>3</sup> Standard
Inserts for wide openings	<b>14516-0500</b>	40	-	0.070
Self-tapping screws for wide openings	<b>14516-0600</b>	40	-	0.070
Inserts for standard openings	<b>27124-0500</b>	80	-	0.035
Self-tapping screws for standard openings	<b>27124-0600</b>	80	-	0.035
Inserts for Norm openings	<b>57289-0500</b>	-	-	-
Self-tapping screws for Norm openings	<b>57289-0600</b>	-	-	-

**Panel Protect skimmer inside assembly**

Supplied with adhesive gaskets, flange and screws. Skimmers specially designed for panel pools. The wide opening assembly should be fitted to the panel from the inside. Supplied with glue.

	Code	Pack. Standard	Weight kg Standard	Volume in m <sup>3</sup> Standard
15 l Panel Protect skimmer wide opening, round cover	<b>32372</b>	1	4.47	0.116
15 l Panel Protect skimmer wide opening, square cover	<b>30866</b>	1	5.13	0.116
Glue for ABS	<b>30884</b>	1	0.20	0.001

Complies with standards  
**EN 16582-1**

**Coupling kit for stainless steel skimmers**

For liner, prefabricated and panel pools. Includes: 2 elastic gaskets, AISI-316 stainless steel frame and screws for assembling.

	Code	Pack. Standard	Weight kg Standard	Volume in m <sup>3</sup> Standard
For A-100, A-201 and A-202 skimmers (00254, 07520 and 07610)	<b>07525</b>	1	0.78	0.002
For A-400 skimmer (code 07523)	<b>07526</b>	1	1.13	0.01

Complies with standards  
**EN 16582-1**  
**EN 16713-2**



Further information in **PRODUCTS**  
www.astralpool.com

## LINER AND PRE-FABRICATED POOL - 17.5L SKIMMERS

All of the components that are exposed in this range of skimmers come with a UV treatment. Made of white ABS, they come with a weir flap and a flow regulator check valve. Bottom suction nozzle connection: 1½" inner thread, 2" outer thread. Simultaneous connection to the main drain: Ø 50 mm inner wall. Overflow connection: Ø 40 mm. Leaf trap. Recommended flow rate: 7.5 m³/h. It is recommended that one skimmer be installed for every 25 m² of water surface area. All skimmers come in two different models: the model with inserts and the PARKER model, which is supplied with self-tapping screws.



### Skimmer SPS 250

Range of 17L skimmers suitable for installation in residential pools. The short length of 250 mm makes them ideal for installation in pools made from expanded polystyrene blocks. Their configuration also takes the water level up to the edge of the coping stone. Manufactured in white ABS with UV protection, the SPS 250 comes with a weir flap, flow regulator and basket. Recommended flow rate of 7.5 m³/h. Install one skimmer every 25 m² of water line surface area. Connections under Ø 63mm and 2", water overflow connection of Ø 32 mm.

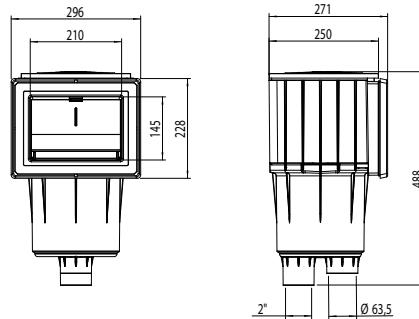


Complies with standards  
**EN 16582-1**

Skimmer with inserts  
Skimmer without inserts

Code	Pack. Standard	Weight kg Standard	Volume in m³ Standard
------	-------------------	-----------------------	--------------------------

<b>58382</b>	1	3.50	0.037
<b>58609</b>	1	3.50	0.037



### NORM skimmer

17.5L skimmer range suitable for installation in public and private pools. Manufactured in white ABS with UV treatment, it comes with a weir flap, flow regulator, lid height regulation and basket. The water inlet is 495 x 80 mm. Recommended flow rate of 7.5 m³/h. Install one skimmer every 25 m² of water line surface area. Connections under 1 ½" and 2", water overflow connection of Ø 40 mm.



**56176**



**56176CL090**



**56176CL129**



**56176CL144**

For prefabricated pools with inserts - White

Code	Pack. Standard	Weight kg Standard	Volume in m³ Standard
------	-------------------	-----------------------	--------------------------

<b>56176</b>	1	5.61	0.182
<b>56176CL090</b>	1	5.61	0.182
<b>56176CL129</b>	1	5.61	0.182
<b>56176CL144</b>	1	5.61	0.182

For prefabricated pools with inserts - Beige

<b>56176CL090</b>	1	5.61	0.182
<b>56176CL129</b>	1	5.61	0.182
<b>56176CL144</b>	1	5.61	0.182

For prefabricated pools with inserts - Light grey

<b>56176CL129</b>	1	5.61	0.182
<b>56176CL144</b>	1	5.61	0.182

For prefabricated pools with inserts - Anthracite grey

<b>56176CL144</b>	1	5.61	0.182
<b>56299</b>	1	5.61	0.182
<b>56299CL090</b>	1	5.61	0.182

For prefabricated pools with inserts - White

<b>56299</b>	1	5.61	0.182
<b>56299CL090</b>	1	5.61	0.182
<b>56299CL129</b>	1	5.61	0.182
<b>56299CL144</b>	1	5.61	0.182

For prefabricated pools with inserts - Beige

<b>56299CL090</b>	1	5.61	0.182
<b>56299CL129</b>	1	5.61	0.182
<b>56299CL144</b>	1	5.61	0.182

For prefabricated pools with inserts - Light grey

<b>56299CL129</b>	1	5.61	0.182
<b>56299CL144</b>	1	5.61	0.182

For prefabricated pools with inserts - Anthracite grey

<b>56299CL144</b>	1	5.61	0.182
<b>56176CL144</b>	1	5.61	0.182

For prefabricated pools with inserts - White

<b>56176CL144</b>	1	5.61	0.182
<b>56176CL144</b>	1	5.61	0.182

For prefabricated pools with inserts - Beige

<b>56176CL144</b>	1	5.61	0.182
<b>56176CL144</b>	1	5.61	0.182

For prefabricated pools with inserts - Light grey

<b>56176CL144</b>	1	5.61	0.182
<b>56176CL144</b>	1	5.61	0.182

For prefabricated pools with inserts - Anthracite grey

<b>56176CL144</b>	1	5.61	0.182
<b>56176CL144</b>	1	5.61	0.182

For prefabricated pools with inserts - White

<b>56176CL144</b>	1	5.61	0.182
<b>56176CL144</b>	1	5.61	0.182

For prefabricated pools with inserts - Beige

<b>56176CL144</b>	1	5.61	0.182
<b>56176CL144</b>	1	5.61	0.182

For prefabricated pools with inserts - Light grey

<b>56176CL144</b>	1	5.61	0.182
<b>56176CL144</b>	1	5.61	0.182

For prefabricated pools with inserts - Anthracite grey

<b>56176CL144</b>	1	5.61	0.182
<b>56176CL144</b>	1	5.61	0.182

For prefabricated pools with inserts - White

<b>56176CL144</b>	1	5.61	0.182
<b>56176CL144</b>	1	5.61	0.182

For prefabricated pools with inserts - Beige

<b>56176CL144</b>	1	5.61	0.182
<b>56176CL144</b>	1	5.61	0.182

For prefabricated pools with inserts - Light grey

<b>56176CL144</b>	1	5.61	0.182
<b>56176CL144</b>	1	5.61	0.182

For prefabricated pools with inserts - Anthracite grey

<b>56176CL144</b>	1	5.61	0.182
<b>56176CL144</b>	1	5.61	0.182

For prefabricated pools with inserts - White

<b>56176CL144</b>	1	5.61	0.182
<b>56176CL144</b>	1	5.61	0.182

For prefabricated pools with inserts - Beige

<b>56176CL144</b>	1	5.61	0.182
<b>56176CL144</b>	1	5.61	0.182

For prefabricated pools with inserts - Light grey

<b>56176CL144</b>	1	5.61	0.182
<b>56176CL144</b>	1	5.61	0.182

For prefabricated pools with inserts - Anthracite grey

<b>56176CL144</b>	1	5.61	0.182
<b>56176CL144</b>	1	5.61	0.182

For prefabricated pools with inserts - White

## LINER AND PRE-FABRICATED POOL - 17.5L SKIMMERS

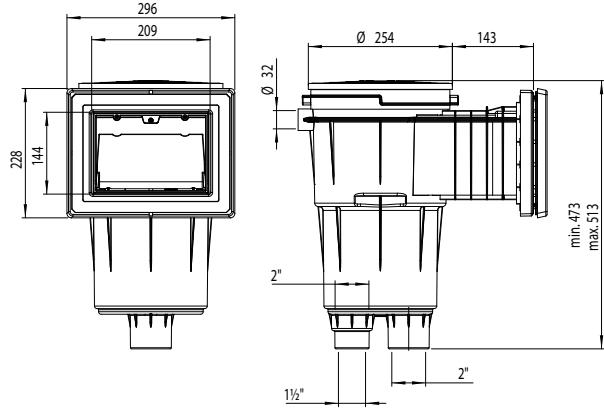


## Skimmer with standard mouth opening

Supplied with adhesive gaskets, flange and screws.

- With standard round cover
- With round NPT cover
- With square cover - White
- With square cover - Beige
- With square cover - Light grey
- With square cover - Anthracite grey
- With a square cover for PARKER models

Code	Pack. Standard	Weight kg Standard	Volume in m <sup>3</sup> Standard
05284	1	5.30	0.062
28883	1	5.30	0.062
11309	1	5.30	0.062
11309CL090	1	5.30	0.062
11309CL129	1	5.30	0.062
11309CL144	1	5.30	0.062
11315	1	5.30	0.062

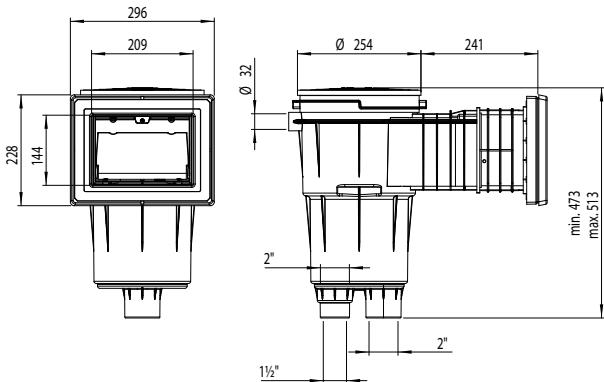
Complies with standards  
EN 16582-1

## Skimmer with standard opening and extended throat

Supplied with adhesive gaskets, flange and screws.

- With round cover
- With square cover - White
- With square cover - Beige
- With square cover - Light grey
- With square cover - Anthracite grey
- With square cover for PARKER models - White
- With square cover for PARKER models - Beige
- With square cover for PARKER models - Light grey
- With square cover for PARKER models - Anthracite grey

Code	Pack. Standard	Weight kg Standard	Volume in m <sup>3</sup> Standard
05285	1	5.90	0.077
11310	1	5.90	0.077
11310CL090	1	5.90	0.077
11310CL129	1	5.90	0.077
11310CL144	1	5.90	0.077
11316	1	5.90	0.077
11316CL090	1	5.90	0.077
11316CL129	1	5.90	0.077
11316CL144	1	5.90	0.077

Complies with standards  
EN 16582-1



Further information in **PRODUCTS**  
www.astralpool.com

## LINER AND PRE-FABRICATED POOL - 17.5L SKIMMERS



### Skimmer with wide mouth opening

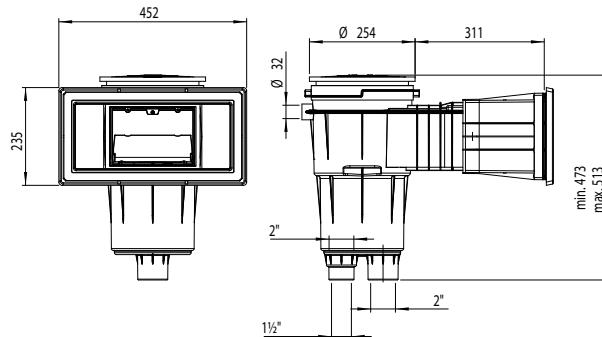
Supplied with adhesive gaskets, flange and screws.

- With standard round cover
- With round NPT cover
- With square cover - White
- With square cover - Beige
- With square cover - Light grey
- With square cover - Anthracite grey
- With square cover for PARKER models - White
- With square cover for PARKER models - Beige
- With square cover for PARKER models - Light grey
- With square cover for PARKER models - Anthracite grey

Code	Pack. Standard	Weight kg Standard	Volume in m <sup>3</sup> Standard
<b>05286</b>	1	6.50	0.135
<b>28884</b>	1	6.50	0.135
<b>11311</b>	1	6.52	0.135
<b>11311CL090</b>	1	6.52	0.135
<b>11311CL129</b>	1	6.52	0.135
<b>11311CL144</b>	1	6.52	0.135
<b>11317</b>	1	6.52	0.135
<b>11317CL090</b>	1	6.52	0.135
<b>11317CL129</b>	1	6.52	0.135
<b>11317CL144</b>	1	6.52	0.135



Complies with standards  
**EN 16582-1**



### Skimmer with wide opening and extended throat

Supplied with adhesive gaskets, flange and screws.

- Round cover
- Square cover
- Square cover for PARKER models

Code	Pack. Standard	Weight kg Standard	Volume in m <sup>3</sup> Standard
<b>07830</b>	1	7.08	0.161
<b>11313</b>	1	7.00	0.161
<b>11314</b>	1	7.00	0.161

Complies with standards  
**EN 16582-1**



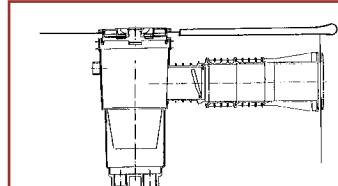
### Panel Protect skimmer inside assembly

Skimmers for panel pools. The wide opening assembly should be fitted to the panel from the inside. Supplied with glue.

- 17.5 l Panel Protect skimmer wide opening, round cover
- 17.5 l Panel Protect skimmer wide opening, square cover
- Glue for ABS

Code	Pack. Standard	Weight kg Standard	Volume in m <sup>3</sup> Standard
<b>32373</b>	1	6.20	0.137
<b>30867</b>	1	6.20	0.116
<b>30884</b>	25	5.05	0.129

Complies with standards  
**EN 16582-1**



The 17.5 litre skimmer can be made to order with much larger throat extensions than the standard size. This can be particularly useful if wider coping stones than usual are installed.

## PREFABRICATED LINER POOLS - SKIMMER ACCESSORIES

## Covers for 15 l skimmers



	Code	Pack. Standard	Weight kg Standard	Volume in m <sup>3</sup> Standard
Round cover, round face plate - White	00249-0600	1	-	-
Round cover, round face plate - Beige	00249-0600CL090	1	-	-
Round cover, round face plate - Light grey	00249-0600CL129	1	-	-
Round cover, round face plate - Anthracite grey	00249-0600CL144	1	-	-
Round cover, square face plate - White	00249-0700	1	-	-
Round cover, square face plate - Beige	00249-0700CL090	1	-	-
Round cover, square face plate - Light grey	00249-0700CL129	1	-	-
Round cover, square face plate - Anthracite grey	00249-0700CL144	1	-	-

## Covers for 17.5 l skimmers



	Code	Pack. Standard	Weight kg Standard	Volume in m <sup>3</sup> Standard
Round cover, round face plate - White	05280-0600	1	-	-
Round cover, round face plate - Beige	05280-0600CL090	1	-	-
Round cover, round face plate - Light grey	05280-0600CL129	1	-	-
Round cover, round face plate - Anthracite grey	05280-0600CL144	1	-	-
Round cover, square face plate - White	05280-0700	1	-	-
Round cover, square face plate - Beige	05280-0700CL090	1	-	-
Round cover, square face plate - Light grey	05280-0700CL129	1	-	-
Round cover, square face plate - Anthracite grey	05280-0700CL144	1	-	-



Further information in **PRODUCTS**  
www.astralpool.com

## LINER AND PRE-FABRICATED POOL - DRAINS

All main drains in the range are supplied with UV protection.  
To prevent the risk of suction, install the main drains according to local regulations.

Recommended use:

- Maximum suction rate of 0.5 m/s.
- Install at least 2 main drains, each with a suction capacity able to handle the pool's full flow rate.



56380



56382



56382CL090



56382CL129



56382CL144



Complies with Standard  
**EN 13451-1-3**



Complies with standards  
**EN 16582-1**  
**EN 16713-2**

### NORM main drain



New range of main drains suitable for installation in public and private pools. Supplied with flat or antivortex grilles. Manufactured in white ABS with UV treatment, fitted with a 2" side outlet and a 1 ½" bottom outlet connection, bottom outlet covered by semi-die cut tab.

	Code	Pack. Standard	Weight kg Standard	Volume in m <sup>3</sup> Standard
Flat grating with inserts - White	<b>56380</b>	4	10.60	0.069
Flat grating with inserts - Beige	<b>56380CL090</b>	4	10.60	0.069
Flat grating with inserts - Light grey	<b>56380CL129</b>	4	10.60	0.069
Flat grating with inserts - Anthracite grey	<b>56380CL144</b>	4	10.60	0.069
Flat grating without inserts - White	<b>56381</b>	4	10.60	0.069
Flat grating without inserts - Beige	<b>56381CL090</b>	4	10.60	0.069
Flat grating without inserts - Light grey	<b>56381CL129</b>	4	10.60	0.069
Flat grating without inserts - Anthracite grey	<b>56381CL144</b>	4	10.60	0.069
Antivortex grating with inserts - White	<b>56382</b>	4	10.60	0.069
Antivortex grating with inserts - Beige	<b>56382CL090</b>	4	10.60	0.069
Antivortex grating with inserts - Light grey	<b>56382CL129</b>	4	10.60	0.069
Antivortex grating with inserts - Anthracite grey	<b>56382CL144</b>	4	10.60	0.069
Antivortex grating without inserts - White	<b>56383</b>	4	10.60	0.069
Antivortex grating without inserts - Beige	<b>56383CL090</b>	4	10.60	0.069
Antivortex grating without inserts - Light grey	<b>56383CL129</b>	4	10.60	0.069
Antivortex grating without inserts - Anthracite grey	<b>56383CL144</b>	4	10.60	0.069



### Mini main drain

Side outlet drain assembly with 2" inner thread. Made of white ABS with grille fixed to flange. Suction velocity at grille of 0.5 m/s and flow rate of 11 m<sup>3</sup>/h. The slots in the grille are no larger than 8 mm, in compliance with regulations. M5 screws and brass inserts for fastening the flange and grille. Can be used in concrete spas and side suction inlets.

	Code	Pack. Standard	Weight kg Standard	Volume in m <sup>3</sup> Standard
Mini main drain	<b>27814</b>	4	2.64	0.013

### Ø 290 mm main drain for liner pools. PARKER model



2" side outlet and 1 ½" bottom outlet. Specially for liner pools. Built completely in white ABS. Comes with screws in stainless steel and synthetic adhesive gaskets. Side outlet for plug for testing water tightness. Bottom outlet for plug for fitting a hydrostatic valve code 00277 (see page 132) and drainage tube code 21581 (see page 132). Suction speed of 0.5 m/s. Maximum recommended flow rate: 13 m<sup>3</sup>/h. Fitted flush to pool floor for total drainage.

	Code	Pack. Standard	Weight kg Standard	Volume in m <sup>3</sup> Standard
Parker model (with self-tapping screws)	<b>00270</b>	4	5.71	0.044
	<b>07880</b>	4	5.71	0.044

## LINER AND PRE-FABRICATED POOL - DRAINS



## Round Ø 200 mm main drain with antivortex grille

Made of white ABS. 2" side outlet and 1½" bottom outlet. Bottom outlet covered by a semi-die cut tab, which may be removed if necessary. A drainage pipe (code drainage code 21581 (see page 132). Max. flow rate: 13 m<sup>3</sup>/h.

Code	Pack. Standard	Weight kg Standard	Volume in m <sup>3</sup> Standard
<b>27125</b>	4	3.543	0.033



## Round Ø 200 mm main drain with flat grille

Made of white ABS. 2" side outlet and 1½" bottom outlet. Bottom outlet covered by a semi-die cut tab, which may be removed if necessary. A drainage pipe (code drainage code 21581 (see page 132). Max. flow rate: 13 m<sup>3</sup>/h.

Code	Pack. Standard	Weight kg Standard	Volume in m <sup>3</sup> Standard
<b>27838</b>	4	3.391	0.033



## Ø 210 mm main drain with ABS grille

2" side outlet. Body and grille in ABS. Comes with self-adhesive gaskets, flange and screws. Maximum recommended flow rate: 13 m<sup>3</sup>/h.

	Code	Pack. Standard	Weight kg Standard	Volume in m <sup>3</sup> Standard
Ø 210 mm main drain with ABS grille - White	<b>00271</b>	4	4.0	0.033
Ø 210 mm main drain with ABS grille - Beige	<b>00271CL090</b>	4	4.0	0.033
Ø 210 mm main drain with ABS grille - Light grey	<b>00271CL129</b>	4	4.0	0.033
Ø 210 mm main drain with ABS grille - Anthracite grey	<b>00271CL144</b>	4	4.0	0.033



## Square 210 mm x 210 mm main drain with ABS grille.

With 2" side outlet. Body and grille in ABS. Comes with self-adhesive gaskets, flange and screws. Maximum recommended flow rate: 13 m<sup>3</sup>/h.

Code	Pack. Standard	Weight kg Standard	Volume in m <sup>3</sup> Standard
<b>00273</b>	4	5.5	0.043



## Drainage outlet in grille made of stainless steel.

Inner Ø 50 mm wall and outer Ø 63 mm wall. Body in white ABS and grille in stainless steel. Supplied with self-adhesive gaskets, flanges and screws. Maximum recommended flow rate: 7 m<sup>3</sup>/h.

Code	Pack. Standard	Weight kg Standard	Volume in m <sup>3</sup> Standard
<b>00274</b>	4	4.0	0.023



Further information in **PRODUCTS**  
www.astralpool.com

## LINER AND PRE-FABRICATED POOL - DRAINS



### Round main drain in stainless steel



2" side outlet. Made of AISI-316 stainless steel. Grille fitted using screws. Comes with gaskets, flange and screws. Maximum recommended flow rate: 13 m<sup>3</sup>/h.

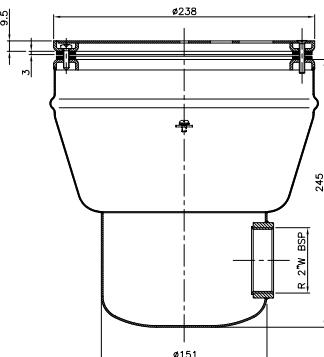
	Code	Pack. Standard	Weight kg Standard	Volume in m <sup>3</sup> Standard
2" side outlet"	<b>00275</b>	1	2.27	0.02
2" side outlet and 1½" bottom outlet connections.	<b>26197</b>	1	4.23	0.04



Complies with Standard  
**EN 13451-1-3**



Complies with standards  
**EN 16582-1**  
**EN 16713-2**



### Adaptor kit for main drain



For drains 00269 and 08463. Comes with gaskets, flange and screws. Flange in AISI-316 stainless steel.

Code	Pack. Standard	Weight kg Standard	Volume in m <sup>3</sup> Standard
<b>00276</b>	40	9.7	0.01



### NORM main drain in polyester and fibreglass - 355 mm x 355 mm



Range of main drains manufactured in polyester resin and fibreglass. Grille in stainless steel or plastic. Optional hydrostatic valve.



Complies with Standard  
**EN 13451-1-3**

#### Grille in stainless steel

#### Outlet connection Grille to be glued

Ø 75 mm	Stainless steel	15 m <sup>3</sup> /h
Ø 90 mm	Stainless steel	23 m <sup>3</sup> /h
Ø 110 mm	Stainless steel	27 m <sup>3</sup> /h

Code	Pack. Standard	Weight kg Standard	Volume in m <sup>3</sup> Standard
<b>20074N</b>	1	8	0.08
<b>20075N</b>	1	9	0.08
<b>20290N</b>	1	10	0.08

#### Plastic grille

#### Outlet connection Grille to be glued

Ø 75 mm	Plastic	15 m <sup>3</sup> /h
Ø 90 mm	Plastic	23 m <sup>3</sup> /h
Ø 110 mm	Plastic	28 m <sup>3</sup> /h
Ø 125 mm	Plastic	37 m <sup>3</sup> /h

Code	Pack. Standard	Weight kg Standard	Volume in m <sup>3</sup> Standard
<b>22416N</b>	1	8	0.08
<b>22417N</b>	1	9	0.08
<b>22418N</b>	1	10	0.08
<b>22419N</b>	1	11	0.08

Optional standard American size and antivortex in standard American size

Minimum depth of installation: 1.5 m.  
Maximum recommended flow rate down drain: 103 m<sup>3</sup>/h (0.5 m/s).

## LINER AND PRE-FABRICATED POOL - DRAINS



Complies with Standard  
EN 13451-1-3

Optional standard American size and antivortex in standard American size

## NORM main drain in polyester and fibreglass - 515 mm x 515 mm

Range of main drains manufactured in polyester resin and fibreglass. Grille in stainless steel or plastic. Optional hydrostatic valve.

	Code	Pack. Standard	Weight kg Standard	Volume in m <sup>3</sup> Standard
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## Grille in stainless steel

Outlet connection Grille      Flow rate  
to be glued

Ø 110 mm Stainless steel	42 m <sup>3</sup> /h	20076N	1	16	0.23
Ø 125 mm Stainless steel	51 m <sup>3</sup> /h	20077N	1	17	0.23
Ø 140 mm Stainless steel	66 m <sup>3</sup> /h	20078N	1	18	0.23
Ø 160 mm Stainless steel	95 m <sup>3</sup> /h	20079N	1	19	0.23
Ø 200 mm Stainless steel	103 m <sup>3</sup> /h	20291N	1	20	0.23

## Plastic grille

Outlet connection Grille      Flow rate  
to be glued

Ø 110 mm Plastic	42 m <sup>3</sup> /h	28722N	1	15	0.23
Ø 125 mm Plastic	51 m <sup>3</sup> /h	28723N	1	16	0.23
Ø 140 mm Plastic	66 m <sup>3</sup> /h	28724N	1	17	0.23
Ø 160 mm Plastic	95 m <sup>3</sup> /h	28725N	1	18	0.23
Ø 200 mm Plastic	103 m <sup>3</sup> /h	28726N	1	19	0.23

Minimum depth of installation: 1.5 m.

Maximum recommended flow rate down drain: 103 m<sup>3</sup>/h (0.5 m/s).



## Main drain in polyester and fibreglass - 355 mm x 355 mm



Made of fibreglass-reinforced polyester. With a gelcoat finish. Comes with gaskets, flange and screws. Holes < 8 mm. Outlet connection to be glued. With optional hydrostatic valve.

	Code	Pack. Standard	Weight kg Standard	Volume in m <sup>3</sup> Standard
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## Grille in AISI-316 stainless steel

Outlet connection Grille      Flow rate  
to be glued

Ø 75 mm AISI-316	16 m <sup>3</sup> /h	20074	1	6.5	0.047
Ø 90 mm AISI-316	22 m <sup>3</sup> /h	20075	1	6.5	0.047
Ø 110 mm AISI-316	33 m <sup>3</sup> /h	20290	1	6.5	0.047

Max. recommended flow rate: 33.5 m<sup>3</sup>/h (0.5 m/s)

Recommended flow rate: 20 m<sup>3</sup>/h (0.3 m/s)



## Grille in ABS plastic with protection against UV rays.

Outlet connection Grille      Flow rate  
to be glued

Ø 75 mm Plastic	18 m <sup>3</sup> /h	22416	1	6.5	0.047
Ø 90 mm Plastic	27 m <sup>3</sup> /h	22417	1	6.5	0.047
Ø 110 mm Plastic	42 m <sup>3</sup> /h	22418	1	6.5	0.047
Ø 125 mm Plastic	45 m <sup>3</sup> /h	22419	1	6.5	0.047

Max. recommended flow rate: 45 m<sup>3</sup>/h (0.5 m/s)

Recommended flow rate: 27 m<sup>3</sup>/h (0.3 m/s)

Optional:  
Standard American sizes



Further information in **PRODUCTS**  
www.astralpool.com

## LINER AND PRE-FABRICATED POOL - MAIN DRAIN ACCESSORIES



### Main drain in polyester and fibreglass - 515 mm x 515 mm



With a gelcoat finish. Grille in AISI-316 stainless steel. Comes with gaskets, flanges and screws. Holes < 8 mm. Outlet connection to be glued. Recommended flow rate: 62 m<sup>3</sup>/h (0.3 m/s). Max. recommended flow rate: 103 m<sup>3</sup>/h (0.5 m/s.). With optional hydrostatic valve.

Grille in AISI-316 stainless steel	Code	Pack. Standard	Weight kg Standard	Volume in m <sup>3</sup> Standard
<b>Outlet connection Grille Flow rate to be glued</b>				
Ø 110 mm AISI-316 42 m <sup>3</sup> /h	<b>20076</b>	1	1.4	0.132
Ø 125 mm AISI-316 51 m <sup>3</sup> /h	<b>20077</b>	1	1.4	0.132
Ø 140 mm AISI-316 66 m <sup>3</sup> /h	<b>20078</b>	1	1.4	0.132
Ø 160 mm AISI-316 95 m <sup>3</sup> /h	<b>20079</b>	1	1.4	0.132
Ø 200 mm AISI-316 103 m <sup>3</sup> /h	<b>20291</b>	1	1.4	0.132

Grille in ABS plastic with protection against UV rays.

Outlet connection Grille Flow rate to be glued	Code	Pack. Standard	Weight kg Standard	Volume in m <sup>3</sup> Standard
<b>Ø 110 mm Plastic 42 m<sup>3</sup>/h</b>				
Ø 125 mm Plastic 51 m <sup>3</sup> /h	<b>28722</b>	1	1.4	0.132
Ø 140 mm Plastic 66 m <sup>3</sup> /h	<b>28723</b>	1	1.4	0.132
Ø 160 mm Plastic 95 m <sup>3</sup> /h	<b>28724</b>	1	1.4	0.132
Ø 200 mm Plastic 103 m <sup>3</sup> /h	<b>28725</b>	1	1.4	0.132

### Hydrostatic valve



To alleviate the pressure that can build up under the pool shell due to groundwater, it is recommended that a hydrostatic valve and a drainage pipe be fitted to the main drain. Hydrostatic valve to be fitted to the 2" bottom outlet on main drains. Made of white ABS, with stainless steel screw and spring. 1½" male thread.

Code	Pack. Standard	Weight kg Standard	Volume in m <sup>3</sup> Standard
<b>00277</b>	4	1.0	0.003



### Drainage pipe

Drainage tube with 1½" BSP thread connection for drains 00270 and 07880 (see page 128), 27838 (see page 129), 26197 (see page 130) y 27125 (see page 129). Manufactured in ABS.

Code	Pack. Standard	Weight kg Standard	Volume in m <sup>3</sup> Standard
<b>21581</b>	24	3.54	0.021



### Flush-fit antivortex cover



Special flush-fit design that enables pool cleaners to go over it without blocking it up.



The 415 mm x 415 mm cover (25344) can be fitted to the following main drains:

#### With stainless steel grille:      With plastic grille:

- 20074      -22416
- 20075      -22417
- 20290      -22418
- 22419

Complies with Standard  
**EN 13451-1:2000**



The 570 mm x 570 mm cover (28556) can be fitted to the following main drains:

#### With stainless steel grille:      With plastic grille:

- 20076      -28722
- 20077      -28723
- 20078      -28724
- 20079      -28725

Code	Pack. Standard	Weight kg Standard	Volume in m <sup>3</sup> Standard
<b>25344</b>	1	2.25	0.012
<b>28556</b>	1	3.90	0.015

415 mm x 415 mm. Height: 70 mm  
570 mm x 570 mm. Height: 60 mm

## LINER AND PREFABRICATED POOLS - LEVEL REGULATORS



Level regulator

Made of ABS. May be connected from the bottom or side, as required. Semi-die cut outlets to the pool so that the most suitable connection can be made. Adjustable lid height and level.  
For all types of skimmers.

Code	Pack. Standard	Weight kg Standard	Volume in m <sup>3</sup> Standard
15862	1	2.0	0.016

For all of the return inlets on this page

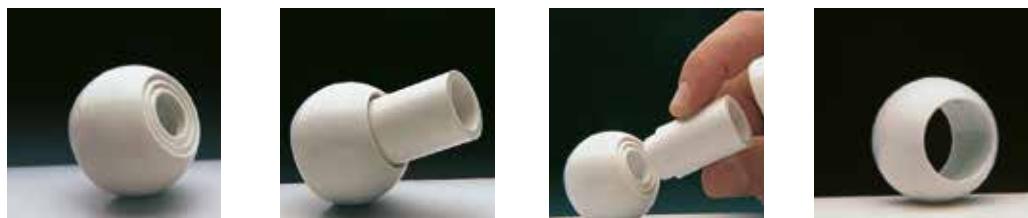


Complies with standards  
**EN 16582-1**  
**EN 16713-2**

## PREFABRICATED LINER POOLS - ABS INLETS

## MULTIFLOW SYSTEM

The inlet's eyeball is supplied pre-marked with a number of diameters (14–20 and 25). With the help of a punch (also supplied with the inlet) one of the diameters can be cut out at the time of installation.  
Max. recommended flow rate for a max. flow of 4 m/s:  
Ø 14 mm = 2.2 m<sup>3</sup>/h. Ø 20 mm = 4.5 m<sup>3</sup>/h. Ø 25 mm = 7 m<sup>3</sup>/h



Multiflow threaded return inlet for liner pools

Outer 2" thread, Ø 50mm inner. For liner pools. Comes in white ABS, with gaskets and screws. Installation with bushing 15662 or 15663 is recommended (see page 140).

	Code	Pack. Standard	Weight kg Standard	Volume in m <sup>3</sup> Standard
Multiflow return inlet - White	00330	12	4.5	0.020
Multiflow return inlet - Beige	00330CL090	12	4.5	0.020
Multiflow return inlet - Light grey	00330CL129	12	4.5	0.020
Multiflow return inlet - Anthracite grey	00330CL144	12	4.5	0.020



Multiflow threaded return inlet for liner pools. Parker model

2" external thread, Ø 50 mm inner wall with Parker system. (Self-tapping screws). For installation with wall conduits code 15664 or 15665 (see page 140).

Code	Pack. Standard	Weight kg Standard	Volume in m <sup>3</sup> Standard
06498	20	4.72	0.021



Multiflow threaded return inlet for prefabricated pools

Outer 2" thread and Ø 50 mm inner wall to be glued. Made of white ABS.

Code	Pack. Standard	Weight kg Standard	Volume in m <sup>3</sup> Standard
00334	24	4.61	0.020



Further information in **PRODUCTS**  
www.astralpool.com

## LINER AND PRE-FABRICATED POOL - ABS INLETS



### Multiflow threaded return inlet for prefabricated pools

2" outer thread, 1½" inner thread. Made of white ABS. Comes with gaskets. The slots in the grille are no larger than 8 mm.

	Code	Pack. Standard	Weight kg Standard	Volume in m <sup>3</sup> Standard
Standard inlet	<b>06481</b>	30	5.1	0.021



### Multiflow return inlet for panel pools

Inlets specially designed for installation in panel pools between 10 and 15 cm thick. To be glued to a Ø 50 mm pipe. Made of white ABS. Comes with gaskets.

	Code	Pack. Standard	Weight kg Standard	Volume in m <sup>3</sup> Standard
	<b>33091</b>	8	3.35	0.021



### NORM return inlets

Range of inlets suitable for installation in public and private pools. Manufactured in white ABS with UV treatment.

	Code	Pack. Standard	Weight kg Standard	Volume in m <sup>3</sup> Standard
For prefabricated/liner pools - White	<b>56499</b>	12	4.5	0.020
For prefabricated/liner pools - Beige	<b>56499CL090</b>	12	4.5	0.020
For prefabricated/liner pools - Light grey	<b>56499CL129</b>	12	4.5	0.020
For prefabricated/liner pools - Anthracite grey	<b>56499CL144</b>	12	4.5	0.020
For prefabricated pools - White	<b>56500</b>	24	4.5	0.020
For prefabricated pools - Beige	<b>56500CL090</b>	24	4.5	0.020
For prefabricated pools - Light grey	<b>56500CL129</b>	24	4.5	0.020
For prefabricated pools - Anthracite grey	<b>56500CL144</b>	24	4.5	0.020



Complies with Standard  
**EN 13451-1-3**



### Return nozzle for prefabricated pools with liner

The diameter of the outer wall has a smaller diameter than other models so that it fits better in curved walls.

	Code	Pack. Standard	Weight kg Standard	Volume in m <sup>3</sup> Standard
Threaded 1½" BSP return nozzle	<b>32450</b>	24	7.1	0.021
Ø 50 mm return nozzle to be glued	<b>32451</b>	24	6.9	0.021



Complies with standards  
**EN 16582-1**  
**EN 16713-2**



### Adjustable return inlet

Comes with gaskets, flange and screws. 3 adjustable positions: (100%, 65%, 35%). Flow rate: 13.5 m<sup>3</sup>/h. Outer Ø 63 mm connection.

	Code	Pack. Standard	Weight kg Standard	Volume in m <sup>3</sup> Standard
	<b>15864</b>	12	4.2	0.02



Complies with Standard  
**13451-1-3**



Complies with standards  
**EN 16582-1**  
**EN 16713-2**



## LINER AND PRE-FABRICATED POOL - ABS INLETS



### Pool floor return inlet for prefabricated pools

Return nozzle. Comes with gaskets, flanges and screws. Adjustable flow rate. Max. flow rate: 12 m<sup>3</sup>/h.

	Code	Pack. Standard	Weight kg Standard	Volume in m <sup>3</sup> Standard
00340	00340	12	5.4	0.020
00340CL090	00340CL090	12	5.4	0.020
00340CL129	00340CL129	12	5.4	0.020
00340CL144	00340CL144	12	5.4	0.020
	11584	12	5.4	0.020
To be glued Ø 63 mm PN 6 outer wall, Ø 50 mm inner	20139	12	5.4	0.021

Complies with Standard EN 13451-1-3

Complies with standards EN 16582-1  
EN 16713-2



### BCN03 pool floor return inlet



Adjustable pool floor return inlet for liner pools. Designed to be glued to the inside of PN6 and PN10 piping. Made of white ABS, with self-tapping screws or with metal inserts. Plastic or stainless steel flange, depending on the model. Maximum flow rate: 9.5 m<sup>3</sup>/h.



PN6 self-tapping plastic flange  
With PN6 plastic flange inserts  
PN10 self-tapping stainless steel flange  
With PN10 stainless steel inserts

	Code	Pack. Standard	Weight kg Standard	Volume in m <sup>3</sup> Standard
	28230	12	3.25	0.031
	28231	12	3.55	0.031
	28501	12	4.24	0.031
	28502	12	4.54	0.031

Complies with Standard EN 13451-1-3

Complies with standards EN 16582-1  
EN 16713-2



### BCN03 adjustable pool floor return inlet



Pool floor return inlet for liner pools. Thanks to the adjustable feature, its installation in the pool floor is made extremely easy as it can be fitted after the concrete has been laid with wall conduit 43590.



With plastic flange inserts  
Plastic self-tapping flange  
With stainless steel flange inserts  
Self-tapping stainless steel flange

	Code	Pack. Standard	Weight kg Standard	Volume in m <sup>3</sup> Standard
	43586	12	2.04	0.033
	43587	12	2.04	0.033
	43588	12	2.04	0.033
	43589	12	2.04	0.033

Complies with Standard EN 13451-1-3

Complies with standards EN 16582-1  
EN 16713-2



### Ø 90 mm wall conduit



PVC wall conduit. Cutting area of 120 mm for fitting it to the pool wall or floor. Ø 63 or Ø 75 connection, as required.



Ø 90/Ø 63-Ø 75 mm wall conduit

	Code	Pack. Standard	Weight kg Standard	Volume in m <sup>3</sup> Standard
	43590	9	7.3	0.033

For inlets:

Net'N'Clean: 43584 - 43585

BCN 03: 43586 - 43587 - 43588 - 43589

Return inlet/suction nozzle for high flow rates: 41518 - 41519 - 41520 - 41521



Further information in **PRODUCTS**  
www.astralpool.com

## LINER AND PRE-FABRICATED POOL - ABS INLETS



### 3" adjustable pool floor return inlet

Made of white ABS. Suction. Comes with gaskets, flanges and screws. Flow rate adjusted by turning the grille. Suction surface area: 0.015 m<sup>2</sup>. Flow rate at 0.4 m/s: 20 m<sup>3</sup>/h. Max. recommended flow rate: 26 m<sup>3</sup>/h. (0.5 m/s.).

	Code	Pack. Standard	Weight kg Standard	Volume in m <sup>3</sup> Standard
Grille in AISI-304 stainless steel	<b>08316</b>	2	2.65	0.047
Grille in white ABS	<b>11795</b>	2	2.65	0.047



### Suction nozzle for liner pools

Outer 2" thread, internal Ø 50 mm. Made of white ABS. Comes with plug, gaskets and screws. Recommended for installation with wall conduit 15663.

	Code	Pack. Standard	Weight kg Standard	Volume in m <sup>3</sup> Standard
Standard return inlet - White	<b>00332</b>	12	4.22	0.020
Standard return inlet - Beige	<b>00332CL090</b>	12	4.22	0.020
Standard return inlet - Light grey	<b>00332CL129</b>	12	4.22	0.020
Standard return inlet - Anthracite grey	<b>00332CL144</b>	12	4.22	0.020
Standard American sized nozzle	<b>11585</b>	12	4.22	0.020



### Suction nozzle for panel pools

For installation in panel pools between 10 and 15 cm thick. Comes with gaskets. Connections: To be glued to Ø 50 mm piping and 1½" BSP thread.

	Code	Pack. Standard	Weight kg Standard	Volume in m <sup>3</sup> Standard
	<b>33092</b>	8	3.35	0.021



### Return nozzle for liner pools

Made of white ABS. Comes with gaskets, flanges and screws. Connections: outer 2" thread and Ø 50 mm inner.

	Code	Pack. Standard	Weight kg Standard	Volume in m <sup>3</sup> Standard
	<b>17382</b>	20	6.0	0.020



### Suction nozzle for prefabricated pools

Outer 2" thread, Ø 50 mm inner wall. For prefabricated pools. Made of white ABS. Comes with 1½" threaded plug.

	Code	Pack. Standard	Weight kg Standard	Volume in m <sup>3</sup> Standard
	<b>00336</b>	24	4.13	0.020

## LINER AND PRE-FABRICATED POOL - ABS INLETS



## Double gasket kit

Kit made up of a double gasket and the screws necessary for the installation of nozzles in panel pools. Made of TPE, the kit enables the installation of various accessories in pool shells and protects the panelling from coming into contact with water. Easy to install. Prevents corrosion of the panelling in the area that has been die cut.

	Code	Pack. Standard	Weight kg Standard	Volume in m <sup>3</sup> Standard
Inserts for nozzles	<b>43455-0500</b>	80	-	0.035



## Return inlet/suction nozzle for high flow rates



Return inlet for large flow rates that can also be used as a suction nozzle. Maximum suction flow rate of 30m<sup>3</sup>/h for a maximum flow rate speed of 4 m/s. Maximum suction flow rate of 5 m<sup>3</sup>/h for a maximum flow rate speed of 0.5 m/s. PVC body. Connection for Ø 75 or Ø 90 mm pipe. Inlets can be installed into bushing 43590 (see page 135). Grille can be adjusted in any direction.

	Code	Pack. Standard	Weight kg Standard	Volume in m <sup>3</sup> Standard
Panel pools	<b>41518</b>	10	5.50	0.021
Prefabricated pools	<b>41521</b>	12	4.20	0.021



## Suction nozzle for overflow pools with liner



PVC body. Maximum flow rate of 7 m<sup>3</sup>/h for a maximum flow rate velocity of 0.5 m/s. Connection for Ø 75 or Ø 90 piping. Nozzle with double gasket. Thanks to the design of the flange, the nozzle is able to take in all of the water in the overflow channel.

	Code	Pack. Standard	Weight kg Standard	Volume in m <sup>3</sup> Standard
	<b>41519</b>	12	4.83	0.021



## Return nozzle for prefabricated pools

2" outer thread, 1½" inner thread. Made of white ABS.

	Code	Pack. Standard	Weight kg Standard	Volume in m <sup>3</sup> Standard
Standard inlet	<b>06484</b>	30	4.3	0.021
NPT outlet	<b>11582</b>	30	4.3	0.021



## Hydromassage kit

Made up of a return inlet and wall conduit fitted with an air inlet and a venturi. Two wall conduit lengths available. Ø 50 mm water connection pipe and Ø 20 mm air suction pipe.

	Code	Pack. Standard	Weight kg Standard	Volume in m <sup>3</sup> Standard
<b>Hydromassage kit for prefabricated polyester pools:</b>				
Length of wall conduit 190 mm	<b>32114</b>	12	3.5	0.021
Length of wall conduit 275 mm	<b>32384</b>	10	3.4	0.021
<b>Hydromassage kit for prefabricated pools with liner:</b>				
Length of wall conduit 190 mm	<b>32115</b>	12	3.5	0.021
Length of wall conduit 275 mm	<b>32385</b>	8	3.5	0.021



Further information in **PRODUCTS**  
www.astralpool.com

## LINER AND PRE-FABRICATED POOL - STAINLESS STEEL INLETS



Complies with standards  
**EN 16582-1**  
**EN 16713-2**

### Return inlet for liner pool with Ø 20mm ball

1½" external thread. Manufactured in AISI-316 stainless steel. Ø 20 mm ball. Comes with gaskets and screws. Maximum recommended flow of 4.5 m<sup>3</sup>/hour according to EN 16582-1 and EN16713-2 standards if installed at a maximum of 500 mm below pool water level.

Code	Pack. Standard	Weight kg Standard	Volume in m <sup>3</sup> Standard
<b>16327</b>	1	0.5	0.001

**16327**



Complies with Standard  
**EN 13451-1-3**



Complies with standards  
**EN 16582-1**  
**EN 16713-2**

### Return inlet for liner pool with Ø 25 mm ball

1½" external thread. Manufactured in AISI-316 stainless steel. Ø 25 mm ball. Comes with gaskets and screws. Recommended flow rate: 7 m<sup>3</sup>/h.

Code	Pack. Standard	Weight kg Standard	Volume in m <sup>3</sup> Standard
<b>69877</b>	1	0.5	0.001

**69877**



Complies with Standard  
**EN 13451-1-3**



Complies with standards  
**EN 16582-1**  
**EN 16713-2**

### Adapter for pool wall conduits

1½" external thread. Manufactured in AISI-316 stainless steel. For adapting concrete pool bushings to prefabricated pool ones. Must be used with stainless steel inlet 16331, 69878.

Code	Pack. Standard	Weight kg Standard	Volume in m <sup>3</sup> Standard
<b>26171</b>	1	0.2	0.001

**26171**



Complies with standards  
**EN 16582-1**  
**EN 16713-2**

### Bushing return inlet for liner pool with Ø20 ball

Manufactured in AISI-316 stainless steel. Fits to 00344 and 00345 bushings and adapts to converter 26171. Comes with gaskets and screws. Install at a maximum of 500 mm below water level. Ball fitted using screws. Recommended flow rate: 4.5 m<sup>3</sup>/h.

Code	Pack. Standard	Weight kg Standard	Volume in m <sup>3</sup> Standard
<b>16331</b>	1	0.3	0.001

**16331**



Complies with Standard  
**EN 13451-1-3**



Complies with standards  
**EN 16582-1**  
**EN 16713-2**

### Bushing return inlet for liner pool with Ø25 ball

Manufactured in AISI-316 stainless steel. Fits to 00344 and 00345 bushings and adapts to converter 26171. Comes with gaskets and screws. Ball fitted using screws. Recommended flow rate: 7 m<sup>3</sup>/h.

Code	Pack. Standard	Weight kg Standard	Volume in m <sup>3</sup> Standard
<b>69878</b>	1	0.3	0.001

**69878**

## LINER AND PRE-FABRICATED POOL - STAINLESS STEEL INLETS



Adjustable pool floor return inlet



2" external thread. Made of AISI-316 stainless steel. Can be fitted in concrete and prefabricated pools. The water flow can be adjusted by loosening or tightening the central screw. Max. recommended flow rate compliant with standard EN 13451-3: 14 m<sup>3</sup>/h.

Code	Pack. Standard	Weight kg Standard	Volume in m <sup>3</sup> Standard
15839	1	0.9	0.002

Complies with Standard  
EN 13451-1-3



Complies with standards  
EN 16582-1  
EN 16713-2



Suction nozzle for liner pools

In AISI-316 stainless steel. Comes with sealing gaskets, flange and screws. With 1½" outer thread. Push-fit connection 06584 is needed.

Code	Pack. Standard	Weight kg Standard	Volume in m <sup>3</sup> Standard
16330	1	0.5	0.001

Complies with Standard  
EN 13451-1-3



Complies with standards  
EN 16582-1  
EN 16713-2

## LINER AND PRE-FABRICATED POOL - WALL BUSHINGS

Range of 300 mm long conduits for Ø 2" inlets and Multiflow that can be cut to different lengths, depending on the thickness of the pool wall. Made of ABS. The ribs of the end plates have holes for fitting the wall conduit to the pool structure, which makes assembly straightforward. The inlet's end plate ensures that it fits flush to the pool wall so that the liner remains flat against the wall and does not swell. This system is aesthetically pleasing as only the face plate can be seen.



Wall conduit with 2" rear male thread and Ø 50 mm smooth inner wall

2" front female thread for nozzles with 2" male thread

Code	Pack. Standard	Weight kg Standard	Volume in m <sup>3</sup> Standard
15663	12	4.0	0.040

2" front female thread for nozzle with code number 06498 only

Code	Pack. Standard	Weight kg Standard	Volume in m <sup>3</sup> Standard
15664	14	4.2	0.040

Wall conduit with smooth Ø 63 mm rear connection and smooth Ø 50 mm inner wall

2" front female thread for nozzles with 2" male thread  
2" front female thread for nozzle 06498 only

Code	Pack. Standard	Weight kg Standard	Volume in m <sup>3</sup> Standard
15662	12	5.0	0.040
15665	14	5.4	0.040



Further information in **PRODUCTS**  
www.astralpool.com

## LINER AND PRE-FABRICATED POOL - WALL BUSHINGS



### Wall conduits in PVC

Grey PVC.

#### 150 mm long

2" outer thread + Ø 50 mm inner, 2" inner thread

	Code	Pack. Standard	Weight kg Standard	Volume in m <sup>3</sup> Standard
	<b>00322</b>	40	3.0	0.011

#### 300 mm long

2" female and male thread connection

	<b>00323</b>	20	3.0	0.011
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2" rear male thread pipe connection or smooth inner wall for MINI projector (33684)

	<b>00324</b>	20	3.0	0.011
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2" outer thread + Ø 50 mm inner wall, 1½" inner thread

	<b>00325</b>	20	3.0	0.011
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2" outer thread + Ø 50 mm inner wall, Ø 50 mm specially designed for nozzles with code numbers 00289, 07957, 00304, 00305 and 00306.

	<b>00326</b>	20	3.0	0.011
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### Stainless steel wall conduit

Made in stainless steel. AISI-304. Both ends have a 1 ½" female thread. With an equipotential outlet. For inlet 16331 (see page 138).

	Code	Pack. Standard	Weight kg Standard	Volume in m <sup>3</sup> Standard
--	------	-------------------	-----------------------	--------------------------------------

Length 240 mm

	<b>00344</b>	1	0.7	0.003
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Length 340 mm

	<b>00345</b>	1	0.9	0.005
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## SKIMFILTERS



### Skimfilter pack

Flow rate: 3.8 m<sup>3</sup>/h. Mini-skimmer opening. 2" inlet connection. 12 V (50 Hz) motor. 230-12V 50 Hz transformer. EC- and GS-certified. Cartridge included. For fixing to outer pool wall. Replacement cartridge: 09037R0200/1.

	Code	Pack. Standard	Weight kg Standard	Volume in m <sup>3</sup> Standard
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	<b>30889</b>	1	6.45	0.038
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### Floating skimmer

Diameter 160 mm. Maximum flow rate: 5 m<sup>3</sup>/h. Ø 32 mm and Ø 38 mm outer connections. With plastic support clamp designed for panel pools.

	Code	Pack. Standard	Weight kg Standard	Volume in m <sup>3</sup> Standard
--	------	-------------------	-----------------------	--------------------------------------

	<b>16573</b>	1	1.3	0.024
--	--------------	---	-----	-------

## SWIMMING POOL SHELL MATERIAL PACKS

## Pool shell equipment packs

Pack made up of:

2 skimmers/3 multiflow return inlets/1 suction nozzle/1 round main drain.

	Code	Pack. Standard	Weight kg Standard	Volume in m <sup>3</sup> Standard
Pack for concrete pools	<b>56301</b>	1	-	-
Pack for liner pools	<b>58930</b>	1	-	-

**Pack for concrete pools**

Contains the following products:

00249  
2x56378  
1x24413  
3x24415  
1x**Pack for liner pools**

Contains the following products:

01464  
2x56381  
1x00330  
3x00332  
1x



Further information in **PRODUCTS**  
www.astralpool.com

## SWIMMING POOL SHELL MATERIAL PACKS

### Interchangeable basin equipment

Bushing, return inlet, suction nozzle, flange assembly to be installed in concrete, prefabricated and liner pools. The measurements of each item make it possible to interchange them with the stainless steel sets. The inlets can be installed in any bushing with a 1½" BSP thread. There is a flange set to install the inlets in pools with a liner.

All items mainly made in plastic (ABS), except screws and gaskets.

Each item can be assembled with the stainless steel sets. Interchangeable stainless steel/plastic codes.

	Code	Pack. Standard	Weight kg Standard	Volume in m <sup>3</sup> Standard
Stainless steel interchangeable return inlet	<b>49758</b>	1	-	0.021
ABS interchangeable return inlet	<b>49754</b>	1	-	0.021
ABS interchangeable return inlet circular vent	<b>52681</b>	1	-	0.021
Stainless steel interchangeable suction nozzle	<b>49759</b>	1	-	0.021
ABS interchangeable suction nozzle	<b>49755</b>	1	-	0.021
Stainless steel interchangeable flange inlet set	<b>49760</b>	1	-	0.021
ABS interchangeable flange inlet set	<b>49756</b>	1	-	0.021
Interchangeable bushing inlet set stainless steel for threading	<b>49761</b>	1	-	0.021
Interchangeable bushing inlet set ABS for threading	<b>49757</b>	1	-	0.021
Interchangeable bushing inlet set ABS for gluing	<b>49832</b>	1	-	0.021



Return nozzle



Suction nozzle



Flange



Wall conduits

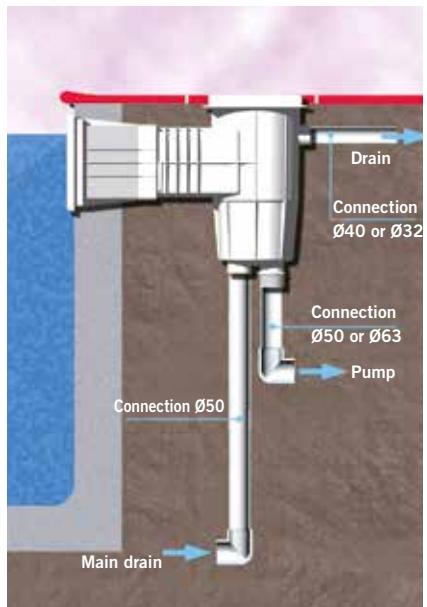
STAINLESS STEEL	49758	49759	49760	49761
ABS	49754 52681*	49755	49756	49757 49832**

\* Circular vent

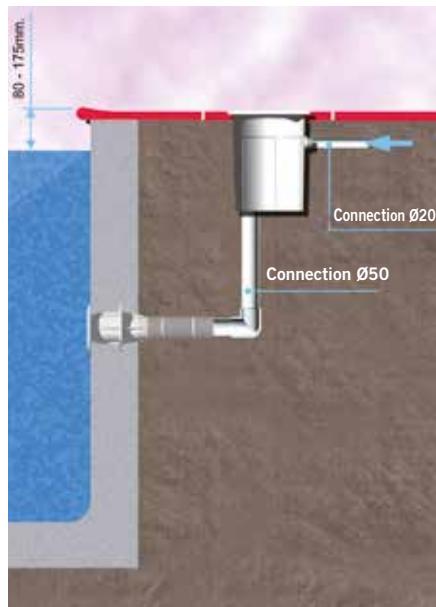
\*\* To glue

## INSTALLATION DIAGRAMS

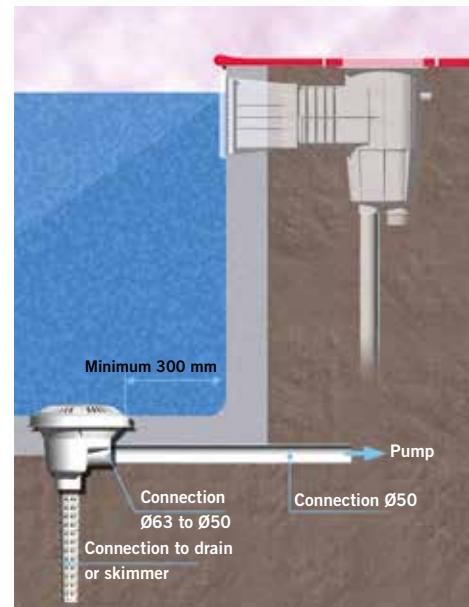
Skimmer installation



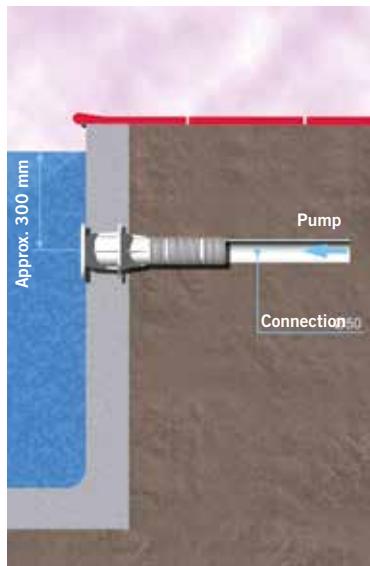
Water level regulator installation



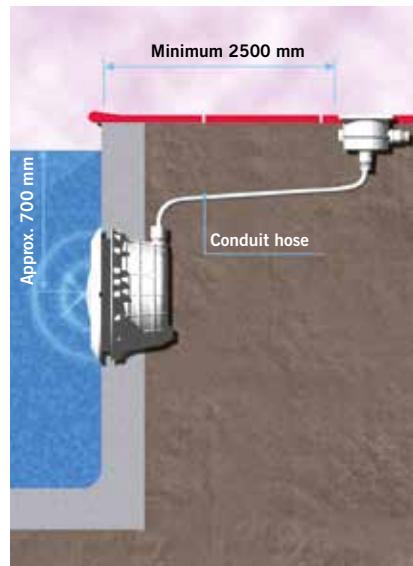
Main drain installation



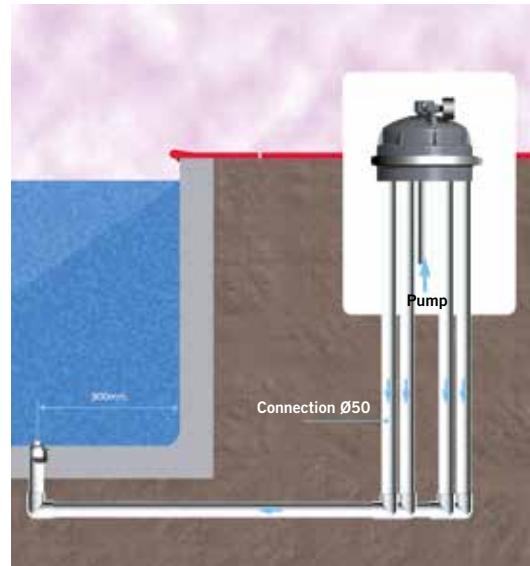
Nozzle installation



Underwater installation



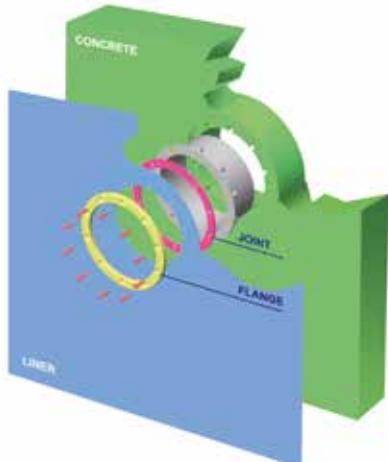
Net'n'Clean valve installation



## INSTALLATION DIAGRAMS

### CONCRETE POOL:

Concrete / liner

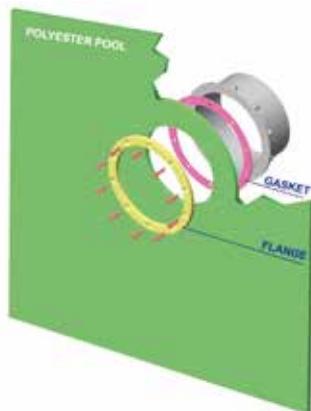


Concrete



### FIBREGLASS POOLS:

Fibreglass

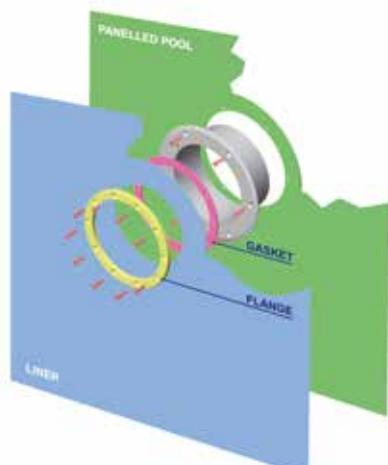


Threaded fibreglass

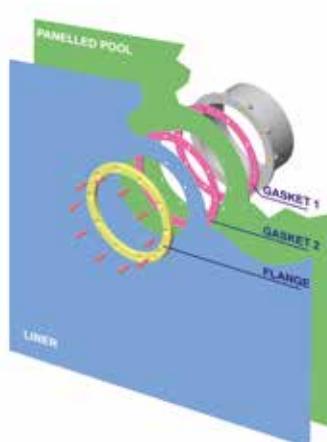


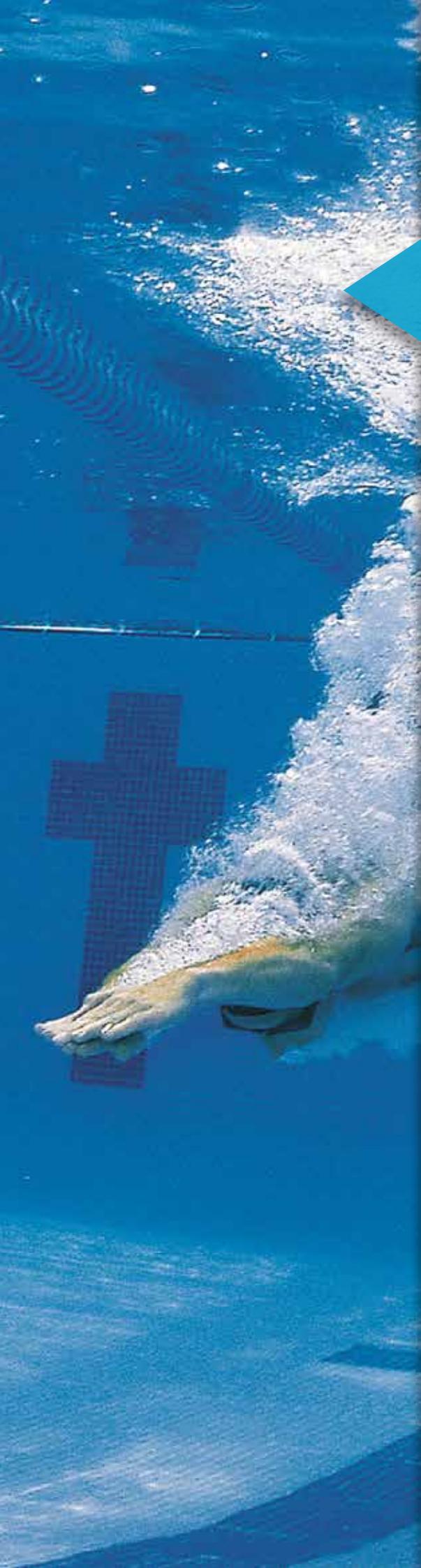
### PANEL POOLS:

1 gasket



2 gaskets





## FILTRATION

FILTRATION

- 146 • Nanofiber filter
- 147 • Cartridge filters
- 147 • Hydrospin pre-filter
- 148 • OC-1 Filters
- 149 • Injection moulded sand filters
- 150 • Blow-moulded sand filters
- 153 • Laminated sand filters
- 158 • High-performance laminated sand filters
- 165 • Bobbin-wound sand filters
- 166 • Compacts without interior installation
- 166 • Compacts with interior installation
- 168 • Selector valves
- 172 • Gauge panel unit
- 173 • Filtration media and accessories

PDB  
Product DatabaseFurther information in PRODUCTS  
[www.astralpool.com](http://www.astralpool.com)

## NANOFIBER FILTER



Auto versions can be connected to a 07444 manual valve, a 70769 automatic valve or an AstralPool MAC

## Nanofiber filter



Filter for residential pools up to 90m<sup>3</sup> characterised by its high-quality filtration: 5-8 microns, self-cleaning function, small size. The NanoFiber filter uses an innovative material that delivers better quality filtration due to its network of nanofibers.

- Easy to use
- Reliable
- Lower water consumption
- Higher water filtration quality
- Compact
- Easy to clean
- Dirt slow to build up without limescale
- Compatible with current filter systems on the market
- Replacement filtration media

	Code	Pack. Standard	Weight kg Standard	Volume in m <sup>3</sup> Standard
NanoFiber Auto 150 filter (10 m <sup>3</sup> /h)	<b>67355-0100</b>	1	10.68	0.116
NanoFiber Auto 180 filter (14 m <sup>3</sup> /h)	<b>67356-0100</b>	1	10.68	0.116
NanoFiber Auto 200 filter (18 m <sup>3</sup> /h)	<b>67357-0100</b>	1	10.68	0.116
Auto adaptor kit	<b>67509</b>	1	3.68	0.027
NanoFiber 150 filter (10 m <sup>3</sup> /h)	<b>64837</b>	1	9.68	0.093
NanoFiber 180 filter (14 m <sup>3</sup> /h)	<b>64838</b>	1	9.68	0.093
NanoFiber 200 filter (18 m <sup>3</sup> /h)	<b>64839</b>	1	9.68	0.093
<b>Replacement filtration media</b>				
For Nanofiber 150	<b>65383</b>	1	1.58	0.022
For Nanofiber 180	<b>65384</b>	1	1.58	0.022
For Nanofiber 200	<b>65385</b>	1	1.58	0.022

Model	Filtration surface area (m <sup>2</sup> )	Flow rate (m <sup>3</sup> /h)	Max. pool volume (m <sup>3</sup> )
NanoFiber 150	4,5	10	70
NanoFiber 180	5,2	14	80
NanoFiber 200	6,0	18	90



Handles  
Easier to open  
and transport

Flow rate range  
From 10 to 18 m<sup>3</sup>/h

Maximum  
temperature 40 °C

Connections  
2"



Pressure gauge  
Max. pressure 2.5 bar

Tinted plastic  
easy to check the level of  
dirt in the water

Filtration quality  
Up to 5-8 microns (μ)

Functions:  
Filtration and backwashing



Complies with Standard  
**EN 16713-01**

## CARTRIDGE FILTERS



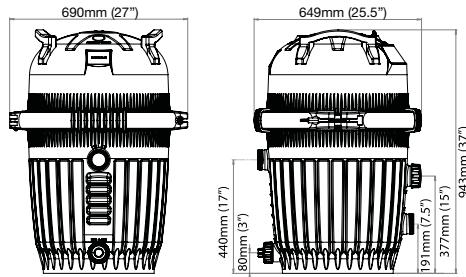
Complies with Standard  
EN 16713-01

### Viron cartridge filter

Manufactured in injection-moulded plastic and suitable for high-pressure applications. Easy-access closing system, filtration surfaces of 39m<sup>2</sup> or 50m<sup>2</sup> enabling prolonged intervals between each cleaning operation or cartridge replacement. Includes water purge, oil pressure gauge and connection accessories. 5-year guarantee on the tank. Complies with filtration requirements as per standard EN 16713-1.

	Code	Pack. Standard	Weight kg Standard	Volume in m <sup>3</sup> Standard
Viron QL 420 cartridge filter	76340	1	48	0.252
Viron QL 540 cartridge filter	76341	1	50	0.355

Model	Filtration area	Maximum flow rate	Weight	Height
Viron QL 420	39 m <sup>2</sup>	500 lpm	35 kg	943 mm
Viron QL 540	50 m <sup>2</sup>	500 lpm	40 kg	943 mm



## HYDROSPIN PRE-FILTER



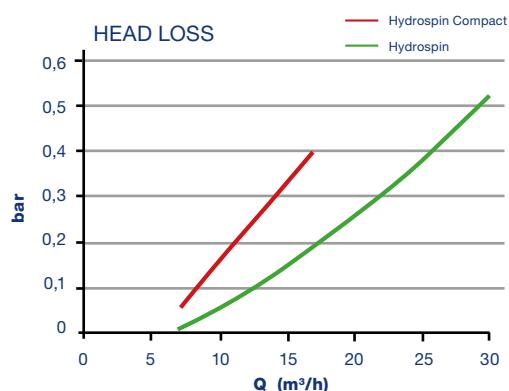
### Hydrospin & Hydrospin Compact



Hydrocyclone pre-filters can be fitted to filtration systems in both new and old installations. Hydrospin is able to treat flows up to 30 m<sup>2</sup>/h with a maximum working pressure of 2.5 bars. It is fitted between the pump and the filter and separates out solids of up to 40 micra, thus reducing by half the amount of water consumed for cleaning the filtration system. HydroSpin has a device for collecting solids with three separate areas (settling, clarifying and clouding). It can be cleaned using just five litres of water without having to stop the pump.

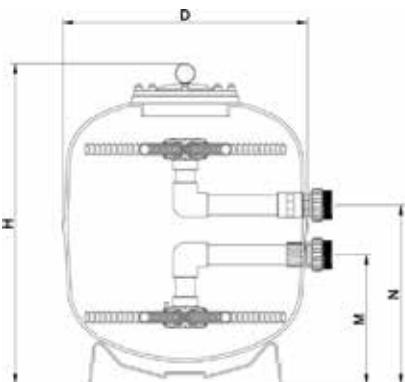
	Code	Pack. Standard	Weight kg Standard	Volume in m <sup>3</sup> Standard
Hydrospin	45289	1	7.8	0.088
Hydrospin Compact	53743	1	4.0	0.033
Kit for wall installation, for 45289	47158	4	4.2	0.117

	45289	53743
Working pressure (bar)	2,5	2,5
Connections	Ø 63	Ø 50 thread 2 1/4"
Purge connection	1"	3/4
Min. flow rate (m <sup>3</sup> /h)	5	3
Max. flow rate (m <sup>3</sup> /h)	30	16.5
Water for cleaning (l)	5	15
Separate solids (micron)	40	60
Floor support	Included	
Wall support	Accessory 47158	Included





## OC-1 FILTERS

Complies with Standard  
EN 16713-01

## With multiport side valve

OC-1 Aster filter 450                   **68642**  
 OC-1 Aster filter 500                   **68643**  
 OC-1 Aster filter 600                   **68644**  
 OC-1 Aster filter 650                   **68645**  
 OC-1 Aster filter 750                   **68646**  
 OC-1 Aster filter 900-2"              **68647**

## Without multiport valve

OC-1 Aster filter 900-2½"           **68648**

	Code	Pack. Standard	Weight kg Standard	Volume in m <sup>3</sup> Standard
--	------	-------------------	-----------------------	--------------------------------------

	68642	68643	68644	68645	68646	68647	68648
Ø D (mm)	450	500	600	650	750	900	900
H (mm)	845	855	900	955	1035	1100	1100
M (mm)	305	290	330	370	325	365	390
N (mm)	430	415	455	495	555	635	660
Connections	1½"	1½"	1½"	1½"	2"	2"	2½"
Flow (m <sup>3</sup> /h) at 50 m <sup>3</sup> /h/m <sup>2</sup>	8	10	14	17	22	32	32
Maximum pressure (kg/cm <sup>2</sup> )	2.5	2.5	2.5	2.5	2.5	2.5	2.5
Pool volume (m <sup>3</sup> )	64	72	112	120	168	240	240
Filtration surface (m <sup>2</sup> )	0.159	0.196	0.283	0.332	0.442	0.636	0.636
OC-1 volume (L)	44	59	78	125	181	313	313
OC-1 (kg)	9	12	16	25	36	63	63
Net weight (kg)	18	20	25	26	33	50	50

# OC-1

## THE FUTURE OF SWIMMING POOL FILTRATION



**SAVE TIME**  
Reduce your cleaning frequency to one third of traditional medias.



**SAVE WATER**  
Unique filtration method reduces water consumption by up to 70%.



**WATER QUALITY**  
Consistent filtration and water quality because of stable flow.



**SAVE POWER**  
Great reduction in filter's head loss allows to use smaller pumps or reduce power.

Tested by  ifts

**ASTRALPOOL A<sup>®</sup>**

**OC-1 FILTRATION MEDIA**

Optional:  
Standard American sizes

## INJECTION MOULDED SAND FILTERS

Injection-moulded filter in technical plastics. Ivory. Thermal-welded joining of top and bottom filter parts. Fitted with a pressure gauge and manual water and air purge valves. Selector valve included. Maximum filtration speed ( $m^3/h/m^2$ ) Maximum working pressure: 2.5 kg/cm<sup>2</sup>. Sand and glass compatible (see page 173). Complies with filtration requirements as per standard EN 16713-1.



### Cantabric top filters

Top mounted multiport valve. Threaded filter locking ring in ABS.

	Code	Pack. Standard	Weight kg Standard	Volume in m <sup>3</sup> Standard
6000 l/h Ø 400 mm outlet 1½"	22399	1	10.7	0.23
9000 l/h Ø 500 mm outlet 1½"	15780	1	17.5	0.37
14000 l/h Ø 600 mm outlet 1½"	15781	1	19.9	0.49
21000 l/h Ø 750 mm outlet 1½"	20128	1	30.4	0.83
21000 l/h Ø 750 mm outlet 2"	23866	1	32.1	0.83



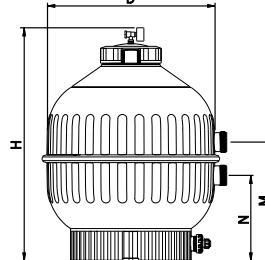
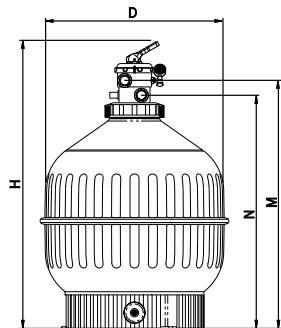
### Top mounted Cantabric filter

Clear lid & threaded locking ring in ABS, supplied with side mounted multiport valve.

	Code	Pack. Standard	Weight kg Standard	Volume in m <sup>3</sup> Standard
<b>With multiport side valve</b>				
6,000 l/h Ø 400 mm outlet 1½"	22398	1	9.0	0.15
9,000 l/h Ø 500 mm outlet 1½"	15782	1	15.8	0.29
14,000 l/h Ø 600 mm outlet 1½"	15783	1	17.8	0.40
21,000 l/h Ø 750 mm outlet 2"	15784	1	29.0	0.67
<b>Without multiport valve</b>				
30,000 l/h Ø 900 mm outlet 2½"	22402	1	49.0	1.30



Complies with Standard  
EN 16713-01



	Top mounted					Side mounted				
	22399	15780	15781	20128	23866	22398	15782	15783	15784	22402
Ø D (mm)	400	500	600	750	750	400	500	600	750	900
H (mm)	894	1009	1069	1239	1250	715	800	875	1045	1215
M (mm)	744	829	894	1064	1098	380	415	445	575	675
N (mm)	680	765	830	1000	1023	255	290	320	345	405
Connections	1½"	1½"	1½"	1½"	2"	1½"	1½"	1½"	2"	2½"
Flow rate (m <sup>3</sup> /h)	6	9	14	21	21	6	9	14	21	30
Approx. pool volume (m <sup>3</sup> ) (8 hours)*	48	72	112	168	168	48	72	112	168	240
Sand load (kg)	60	100	150	300	300	60	100	150	300	550
Grade 1 glass load (57011) (kg)	42	70	105	210	210	42	70	105	210	385
Grade 2 glass load (57012) (kg)	11	19	28	57	57	11	19	28	57	104
Net weight (kg)	8	14	15	23	25	7	12	14	24	34
Package volume (m <sup>3</sup> )	0.2	0.37	0.49	0.83	0.83	0.15	0.29	0.4	0.67	1.3

Fitted with sand dump port of Ø 2" in Ø 750 mm & Ø 900 mm models, and of 1½" in Ø 400, Ø 500 & Ø 600 mm models.

\* 8 hours turnover rate



## BLOW-MOULDED SAND FILTERS

Complies with Standard  
EN 16713-1Optional:  
Standard American sizes

Blow-moulded in a single seamless piece of plastic. Fitted with a pressure gauge and integrated air purge and manual water drain. Selector valve included. Maximum working pressure: 2.5 kg/cm<sup>2</sup> for filter Ø 380 mm, Ø 430 mm and Ø 480 mm, and 2 kg/cm<sup>2</sup> for filter Ø 560 mm and Ø 660 mm Sand- and glass-compatible (see page 173). Complies with filtration requirements as per standard EN 16713-1.

## Millennium filters with Top mounted valve



	Code	Pack. Standard	Weight kg Standard	Volume in m <sup>3</sup> Standard
Ø 380 mm - 5500 l/h outlet 1½"	33814	1	12.0	0.17
Ø 430 mm - 7000 l/h outlet 1½"	33815	1	14.0	0.17
Ø 480 mm - 9000 l/h outlet 1½"	33816	1	16.0	0.24
Ø 560 mm - 12000 l/h outlet 1½"	33817	1	17.0	0.35
Ø 660 mm - 17000 l/h outlet 1½"	33818	1	24.5	0.52



## Millennium filters with side mounted valve



	Code	Pack. Standard	Weight kg Standard	Volume in m <sup>3</sup> Standard
Ø 380 mm - 5500 l/h outlet 1½"	35321	1	10.5	0.13
Ø 430 mm - 7000 l/h outlet 1½"	22497	1	13.0	0.13
Ø 480 mm - 9000 l/h outlet 1½"	22499	1	16.0	0.18
Ø 560 mm - 12000 l/h outlet 1½"	22501	1	18.0	0.26
Ø 660 mm - 17000 l/h outlet 1½"	28254	1	29.0	0.42



## Millennium model monobloc with top mount MPV

	Code	Pack. Standard	Weight kg Standard	Volume in m <sup>3</sup> Standard
Ø 380 mm - Sena 1/3 HP 230 V II	27805	1	27.0	0.33
Ø 430 mm - Sena 1/3 HP 230 V II	23342	1	27.0	0.33
Ø 480 mm - Sena 1/2 HP 230 V II	23343	1	31.0	0.43
Ø 560 mm - Sena 3/4 HP 230 V II	23344	1	35.0	0.50
Ø 660 mm - Sena 1.25 HP	28299	1	41.0	0.59



## Millennium model monobloc with side mount MPV

	Code	Pack. Standard	Weight kg Standard	Volume in m <sup>3</sup> Standard
Ø 380 mm - Sena 1/3 HP 230 V II	27804	1	28.0	0.33
Ø 430 mm - Sena 1/3 HP 230 V II	23348	1	28.0	0.33
Ø 480 mm - Sena 1/2 HP 230 V II	23349	1	31.0	0.43
Ø 560 mm - Sena 3/4 HP 230 V II	23350	1	35.0	0.50
Ø 660 mm - Sena 1.25 HP	28301	1	41.0	0.59

## BLOW-MOULDED SAND FILTERS

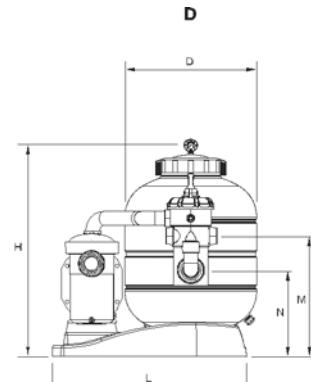
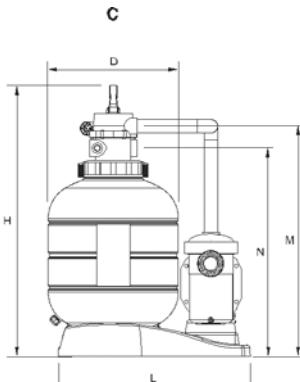
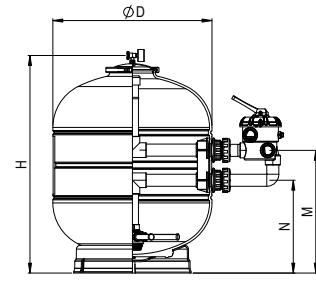
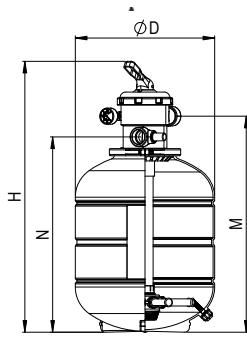
Millennium filters

Top mounted

Side mounted

Top mounted monobloc

Side mounted monobloc



	A - Top mounted filter					B - Side mounted filter					C - Top mounted monobloc					D - Side mounted monobloc				
	33814	33815	33816	33817	33818	35321	22497	22499	22501	28254	27805	23342	23343	23344	28299	27804	23348	23349	23350	28301
Ø D (mm)	380	430	480	560	660	380	430	480	560	660	380	430	480	560	660	380	430	480	560	660
H (mm)	820	835	870	945	1050	615	655	682	770	900	905	955	975	1055	1125	685	735	745	830	962
M (mm)	650	665	700	775	880	225	265	292	380	510	735	815	835	915	990	390	415	410	460	570
N (mm)	585	600	635	710	815	100	140	167	255	385	670	735	755	815	925	265	290	285	335	510
Length L (mm)	-	-	-	-	-	-	-	-	-	-	710	715	835	835	835	710	715	835	835	835
Connections	1½"	1½"	1½"	1½"	1½"	1½"	1½"	1½"	1½"	1½"	1½"	1½"	1½"	1½"	1½"	1½"	1½"	1½"	1½"	1½"
Flow rate (m³/h)	5.5	7	9	12	17	5.5	7	9	12	17	5.5	7	9	12	17	5.5	7	9	12	17
Pool volume approx. (m³)	up to 40	40-50	50-75	75-100	140	up to 40	40-50	50-75	75-100	140	up to 40	40-50	50-75	75-100	140	up to 40	40-50	50-75	75-100	140
Sand load (kg)	± 45	± 70	± 80	± 110	± 180	± 45	± 70	± 80	± 110	± 180	40	60	85	135	180	40	60	85	135	180
Grade 1 glass load (57011) (kg)	28	42	60	95	175	28	42	60	95	175	28	42	60	95	175	28	42	60	95	175
Grade 2 glass load (57012) (kg)	8	11	16	25	47	8	11	16	25	47	8	11	16	25	47	8	11	16	25	47
Maximum pressure (kg/cm²)	2.5	2.5	2.5	2	2	2.5	2.5	2.5	2	2	2.5	2.5	2.5	2	2	2.5	2.5	2.5	2	2
Net weight (kg)	12	13.5	15	16.5	24	10	12	15	17.5	28	27	27	31	35	41	28	28	31	35	41
Package volume (m³)	0.17	0.17	0.24	0.35	0.52	0.13	0.13	0.18	0.26	0.42	0.33	0.33	0.43	0.50	0.59	0.33	0.33	0.43	0.50	0.59

Millennium / Sena					
Side monobloc			27804	23348	23349
Top monobloc			27805	23342	23343
Ø (mm)			380	430	480
Pump			Sena	Sena	Sena
Power (HP)			1/3	1/3	1/2
Voltage (V)			230 II	230 II	230 II
Frequency (Hz)			50	50	50



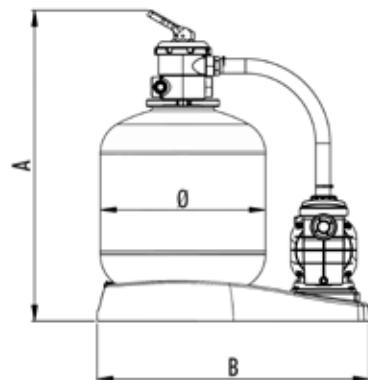
## BLOW-MOULDED SAND FILTERS



SkyPool filter monoblock with top outlet

Made from plastic with a clamp lid, multi-way valve, pressure gauge, manual air outlet and water purge. White. Injection-moulded black base. Maximum working pressure: 2 kg/cm<sup>2</sup>. Complies with filtration requirements as per standard EN 16713-1.

	Code	Pack. Standard	Weight kg Standard	Volume in m <sup>3</sup> Standard
Ø 300 mm - P-XPERT-4	M00504	1	12	0.11
Ø 400 mm - P-XPERT-6	M00505	1	14	0.22
Ø 400 mm - P-XPERT-8	M00506	1	15	0.22
Ø 500 mm - P-XPERT-10	M00507	1	21	0.34
Ø 500 mm - P-XPERT-14	M00661	1	25	0.34

Complies with Standard  
EN 16713-01

Top monobloc	SkyPool / P-XPERT				
	M00504	M00505	M00506	M00507	M00661
A (mm)	640	760	760	870	870
B (mm)	520	830	830	830	830
Ø (mm)	300	400	400	500	500
Pump (HP)	P-XPERT4	P-XPERT6	P-XPERT8	P-XPERT10	P-XPERT14
Connections	Ø 38	Ø 38	Ø 38	1½"	1½"
Flow (m <sup>3</sup> /h)	4	6	7	9	11
Power (W)	150	340	490	600	660
Filtration speed (m <sup>3</sup> /m <sup>2</sup> /h)	60	50	60	50	60
Sand 0.4-0.8 mm (Kg)	± 25	± 40	± 40	± 100	± 100
Weight (Kg)	12	14	15	21	25
Volume (m <sup>3</sup> )	0.102	0.226	0.226	0.344	0.344

## LAMINATED SAND FILTERS

Filters manufactured in fibreglass and polyester resin. With a gelcoat external finish. As a result, the body is highly resistant, durable and has an excellent finish. Internal components and accessories in high quality engineering plastics. Compatible with sand and glass, among others (see page 173). They comply with filtration requirements as per standard EN 16713-1.



Atlas filter



Sand and glass filters, among others, made from reinforced polyester. Complies with filtration requirements as per standard EN 16713-1.

### Technical features:

- Made of polyester resin and fibreglass.
- Excellent finish with gel-coat colour RAL 8029.
- The filter has been designed with higher coefficient of security, to guarantee a perfect operation.
- The union of the two bodies of the filter is carried out through a seal specially reinforced with fibreglass and polyester resin.
- Transparent plastic cover highly resistant to chemicals.
- High reliability screw-in cover.
- Fitted with 1" collector arms and diffuser made from unplasticised PVC.
- Interior pipe with tubes of PN-16.
- 2½" sand discharge outlet.
- Fitted with pressure gauge, air purge and manual water drain.
- Connections to multiport valve with six positions: filter, backwash, rinse, recirculate, waste and closed.
- Innovation by AstralPool: the filter has a built-in safety valve to prevent pressure surges.
- Maximum pressure: 2.5 kg/cm<sup>2</sup>.

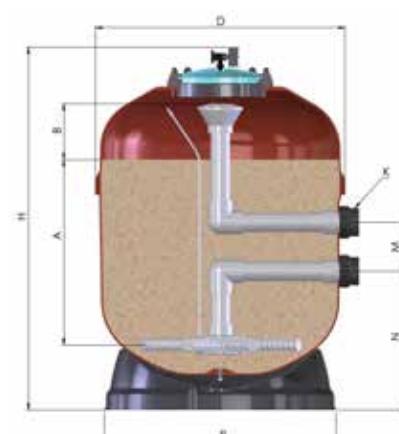


Complies with Standard  
EN 16713-01

	Code	Pack. Standard	Weight kg Standard*	Volume in m <sup>3</sup> Standard*
<b>Includes multiport valve</b>				
Ø 500 mm outlet 1½"	36596	1	20	0.29
Ø 600 mm outlet 1½"	36597	1	25	0.41
Ø 750 mm outlet 2"	36598	1	33	0.77
<b>Multiport valve not included</b>				
Ø 900 mm outlet 2½"	36599	1	51	1.23

\* Figures without valve

Code	36596	36597	36598	36599
Ø Filter (mm)	500	600	750	900
Connections	1½"	2"	2½"	
Filtering surface (m <sup>2</sup> )	0.19	0.30	0.44	0.64
Filtering velocity (m <sup>3</sup> /h/m <sup>2</sup> )			50	
Flow rate (m <sup>3</sup> /h)	9.5	15	22	30
Maximum pressure (kg/cm <sup>2</sup> )			2,5	
Sand load (kg)	120	190	360	580
Grade 1 glass load (57011) (kg)	84	133	252	406
Grade 2 glass load (57012) (kg)	23	36	68	110
Net weight (kg)	20	25	33	51



Sand drain of 2 ½" and water drain of ¾" with security valve.



## LAMINATED SAND FILTERS



64990



64986



64998



64994

Complies with Standard  
EN 16713-01

## Europe Pro - Pro Long filters

Filters manufactured in fibreglass and polyester resin Complies with filtration requirements as per standard EN 16713-1. Sand and glass compatible (see page 173).

- Filter colour (Ral5015)
- 1/4" purge valve.
- 2 1/2" sand discharge
- Polyester or methacrylate cover with screws.
- Diameter of top access: 285 mm.
- Maximum pressure: 2.5 bar.

	Code	Pack. Standard	Weight kg Standard*	Volume in m <sup>3</sup> Standard*
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## Pro version

## With methacrylate cover

9500 l/h Ø 500 mm output 1½"	<b>64990</b>	1	15	0.33
15000 l/h Ø 600 mm output 2"	<b>64991</b>	1	20	0.45
22000 l/h Ø 750 mm output 2"	<b>64992</b>	1	25	0.83
30000 l/h Ø 900 mm output 2½"	<b>64993</b>	1	46	1.43

## With polyester cover

9500 l/h Ø 500 mm output 1½"	<b>64986</b>	1	15	0.33
15000 l/h Ø 600 mm output 2"	<b>64987</b>	1	20	0.45
22000 l/h Ø 750 mm output 2"	<b>64988</b>	1	25	0.83
30000 l/h Ø 900 mm output 2½"	<b>64989</b>	1	46	1.43

## Pro Long version

## With methacrylate cover

9500 l/h Ø 500 mm output 1½"	<b>64998</b>	1	23	0.33
15000 l/h Ø 600 mm output 2"	<b>64999</b>	1	26	0.45
22000 l/h Ø 750 mm output 2"	<b>65000</b>	1	34	0.83
30000 l/h Ø 900 mm output 2½"	<b>65002</b>	1	65	1.43

## With polyester cover

9500 l/h Ø 500 mm output 1½"	<b>64994</b>	1	23	0.33
15000 l/h Ø 600 mm output 2"	<b>64995</b>	1	26	0.45
22000 l/h Ø 750 mm output 2"	<b>64996</b>	1	34	0.83
30000 l/h Ø 900 mm output 2½"	<b>64997</b>	1	65	1.43

\* Figures without valve

	Pro version				Pro Long version			
	With methacrylate cover	<b>64990</b>	<b>64991</b>	<b>64992</b>	<b>64993</b>	<b>64998</b>	<b>64999</b>	<b>65000</b>
With polyester cover	<b>64986</b>	<b>64987</b>	<b>64988</b>	<b>64989</b>	<b>64994</b>	<b>64995</b>	<b>64996</b>	<b>64997</b>
Ø D (mm)	500	600	750	900	500	600	750	900
Connection	1 1/2"	2"	2"	2 1/2"	1 1/2"	2"	2"	2 1/2"
Selector valve code	<b>00599</b>	<b>28476</b>	<b>28512</b>	<b>24837</b>	<b>00599</b>	<b>28476</b>	<b>28512</b>	<b>24837</b>
Filtration surface area (m <sup>2</sup> )	0.19	0.3	0.44	0.64	0.19	0.3	0.44	0.64
Filtration velocity (m <sup>3</sup> /h/m <sup>2</sup> )	50				50			
Flow (m <sup>3</sup> /h) at 50 m <sup>3</sup> /h/m <sup>2</sup>	9.5	15	22	30	9.5	15	22	30
Maximum pressure (kg/cm <sup>2</sup> )	2.5				2.5			
Sand load (kg)	120	190	360	580	155	240	430	615
Grade 1 glass load (57011) (kg)	84	133	252	406	110	170	305	435
Grade 2 glass load (57012) (kg)	23	36	68	110	27	44	77	112
Net weight (kg)	15	20	25	46	20	25	33	51
Depth of filter bed (mm)	390	445	530	645	520	565	620	680

Filtration bed  
0.6 m

## LAMINATED SAND FILTERS



Complies with Standard  
EN 16713-01

### RapidPool filters

Laminated in reinforced polyester with fibreglass. Red, polypropylene base, screw-free lid, cap for sand and water discharge, pressure gauge and air purge incorporated in the lid and side selector valve. Maximum filtration speed 50/l/h/m<sup>2</sup>. Maximum working pressure: 2.5 kg/cm<sup>2</sup>. Sand and glass compatible (see page 173).

Code	Pack. Standard	Weight kg Standard	Volume in m <sup>3</sup> Standard
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#### Top mounted valve version

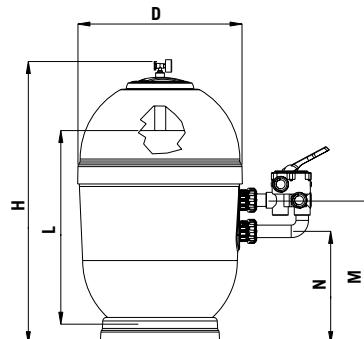
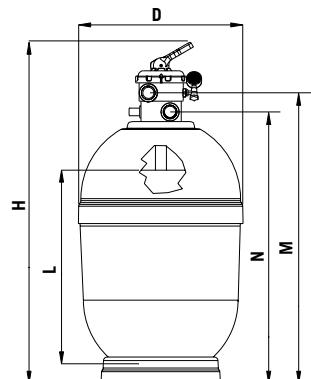
6000 l/h Ø 400 mm outlet 1½"  
9000 l/h Ø 500 mm outlet 1½"  
15000 l/h Ø 650 mm outlet 1½"  
24000 l/h Ø 800 mm outlet 2"

32427	1	19	0.200
32428	1	25	0.355
32429	1	34	0.600
33849	1	45	1.050

#### Side mounted valve version

6000 l/h Ø 400 mm outlet 1½"  
9000 l/h Ø 500 mm outlet 1½"  
15000 l/h Ø 650 mm outlet 1½"  
24000 l/h Ø 800 mm outlet 2"

00488	1	19	0.150
00489	1	25	0.280
00490	1	34	0.500
00491	1	45	0.880



	With Top mounted multiport valve				With multiport valve			
	32427	32428	32429	33849	00488	00489	00490	00491
Ø Filter (mm)	400	500	650	800	400	500	650	800
H (mm)	1020	1165	1285	1566	860	1032	1126	1272
M (mm)	850	995	1115	1355	442	527	552	592
N (mm)	790	935	1055	1279	317	402	427	362
Connections	1½"	1½"	1½"	2"	1½"	1½"	1½"	2"
Flow (m <sup>3</sup> /h) at 50 m <sup>3</sup> /h/m <sup>2</sup>	6	9	15	24	6	9	15	24
Pool volume (m <sup>3</sup> ) (8 h)	48	72	120	120	48	72	120	192
Sand load (kg)	60	130	255	445	60	130	255	445
Grade 1 glass load (57011) (kg)	42	91	179	312	42	91	179	312
Grade 2 glass load (57012) (kg)	11	25	48	84	11	25	48	84
Sand height (mm)	545	571	650	785	545	571	650	785
Maximum pressure (kg/cm <sup>2</sup> )	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5
Net weight (kg)	19	25	34	44	15	22	30	45
Package volume (m <sup>3</sup> )	0.20	0.355	0.60	1.05	0.16	0.3	0.53	0.9



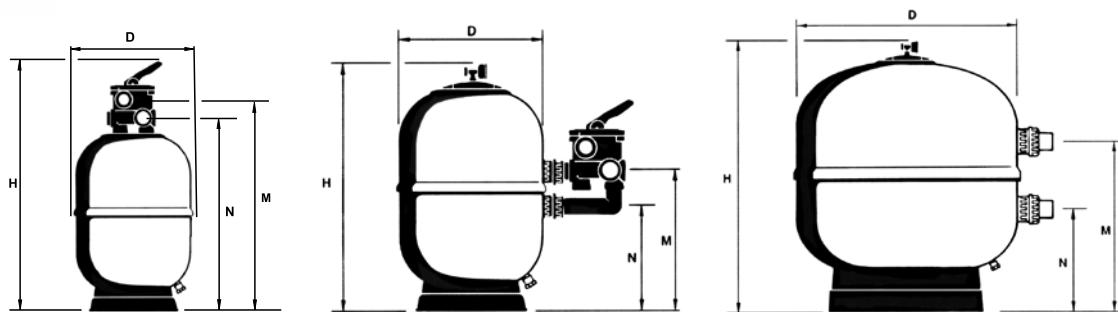
## LAMINATED SAND FILTERS



## Aster filters

Filter laminated in polyester and fibreglass. Grey, polypropylene base, new screw-free lid, cap for sand and water discharge, pressure gauge and side selector valve. Maximum working pressure of 2.5 kg/cm<sup>2</sup>. Maximum filtration speed 50/h/m<sup>2</sup>. Complies with filtration requirements as per standard EN 16713-1. Sand and glass compatible (see page 173).

	Code	Pack. Standard	Weight kg Standard	Volume in m <sup>3</sup> Standard
<b>With top mounted multiport valve</b>				
5000 l/h Ø 350 mm outlet 1½"	30768	1	17	0.13
8000 l/h Ø 450 mm outlet 1½"	30769	1	20	0.23
9000 l/h Ø 500 mm outlet 1½"	30770	1	22	0.28
14000 l/h Ø 600 mm outlet 1½"	30771	1	27	0.39
15000 l/h Ø 650 mm outlet 1½"	30772	1	28	0.45
21000 l/h Ø 750 mm outlet 2"	33847	1	35	0.62
32000 l/h Ø 900 mm outlet 2"	33848	1	53	1.27
<b>With side mounted multiport valve</b>				
5000 l/h Ø 350 mm outlet 1½"	00497	1	18	0.13
8000 l/h Ø 450 mm outlet 1½"	00498	1	21	0.23
9000 l/h Ø 500 mm outlet 1½"	19781	1	23	0.28
12000 l/h Ø 550 mm outlet 1½"	32706	1	27	0.28
14000 l/h Ø 600 mm outlet 1½"	00499	1	28	0.39
15000 l/h Ø 650 mm outlet 1½"	21071	1	29	0.45
18000 l/h Ø 680 mm outlet 1½"	28479	1	30	0.46
21000 l/h Ø 750 mm outlet 2"	00500	1	37	0.62
32000 l/h Ø 900 mm outlet 2"	08133	1	55	1.27
<b>Without multiport valve</b>				
31000 l/h Ø 900 mm outlet 2½"	00501	1	53	1.27

Complies with Standard  
EN 16713-01

	With Top mounted multiport valve							With multiport valve							Without valve		
	30768	30769	30770	30771	30772	33847	00497	00498	19781	32706	00499	21071	28479	00500	08133	00501	
Ø D (mm)	350	450	500	600	650	750	900	350	450	500	550	600	650	680	750	900	900
H (mm)	910	965	960	1005	1060	1184	1344	780	795	770	825	850	880	915	945	1050	1050
M (mm)	740	795	790	835	890	973	1133	420	430	415	455	455	480	525	555	635	660
N (mm)	680	785	730	775	830	897	1057	295	305	290	330	330	355	400	325	365	390
Connections	1½"	1½"	1½"	1½"	1½"	2"	2"	1½"	1½"	1½"	1½"	1½"	1½"	2"	2"	2½"	
Flow (m <sup>3</sup> /h) at 50 m <sup>3</sup> /h/m <sup>2</sup>	5	8	9	14	15	21	31	5	8	9	12	14	15	18	21	30	30
Pool volume (m <sup>3</sup> ) (8 h)	40	64	72	112	120	168	240	40	64	72	96	112	120	144	168	240	240
Sand load (kg)	50	70	90	110	200	290	500	50	70	90	110	125	200	210	290	500	500
Grade 1 glass load (57011) (kg)	35	49	63	77	140	203	350	35	49	63	77	88	140	147	203	350	350
Grade 2 glass load (57012) (kg)	9	13	17	21	38	55	94	9	13	17	21	24	38	40	258	94	94
Maximum pressure (kg/cm <sup>2</sup> )	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5
Net weight (kg)	17	20	22	27	28	35	53	18	21	23	27	28	29	30	37	55	53
Package volume (m <sup>3</sup> )	0.13	0.23	0.28	0.39	0.45	0.62	1.27	0.13	0.23	0.28	0.28	0.39	0.45	0.46	0.62	1.26	1.27

## LAMINATED SAND FILTERS

## Vesubio filters



The Vesubio range has been expanded to reach both the public and private pool sectors. Filters manufactured using simultaneous projection of resin and fibreglass. Threaded lid with high-resistance screws. Ø 210mm top mouth. Ø 1050mm and Ø 1200mm models also available with a top mouth of Ø 400mm. Maximum working pressure of 2.5 kg/cm<sup>2</sup>. Sand and glass compatible (see page 173).

**Side mount version**

8000 l/h Ø 450 mm outlet 50 mm  
9000 l/h Ø 500 mm outlet 50 mm  
14000 l/h Ø 600 mm outlet 50 mm  
22000 l/h Ø 750 mm outlet 63 mm  
32000 l/h Ø 900 mm outlet 75 mm  
43000 l/h Ø 1050\* mm outlet 75 mm  
43000 l/h Ø 1050\* mm outlet 75 mm  
56000 l/h Ø 1200\* mm outlet 90 mm  
56000 l/h Ø 1200\* mm outlet 90 mm

Code	Pack. Standard	Weight kg Standard	Volume in m <sup>3</sup> Standard
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15785	1	16	0.200
19353	1	20	0.260
15786	1	23	0.357
15787	1	32	0.595
15788	1	48	1.003
15789	1	97	2.052
32391	1	97	2.052
15790	1	130	2.450
32392	1	140	2.430

**Top mount version**

8000 l/h Ø 450 mm outlet 50 mm  
9000 l/h Ø 500 mm outlet 50 mm  
14000 l/h Ø 600 mm outlet 50 mm  
22000 l/h Ø 750 mm outlet 63 mm  
32000 l/h Ø 900 mm outlet 63 mm

32430	1	19	0.280
32431	1	23	0.350
32432	1	26	0.480
33850	1	40	0.787
33851	1	56	1.276

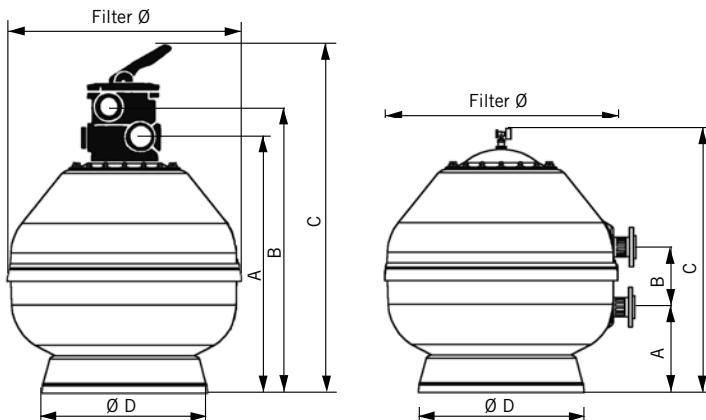
\* Small upper lid of Ø 210 mm

\*\* Upper lid of Ø 400 mm

**Filters with a side connection up to Ø 1050mm can use a multiport selector valve (see page 168). Ø 900 and Ø 1050 mm filters with side outlets are supplied without multiport valve.**



Complies with Standard  
EN 16713-01



	With Top mounted multiport valve					With multiport valve									
	32430	32431	32432	33850	33851	15785	19353	15786	15787	15788	15789	32391	15790	32392	
Ø Filter (mm)	450	500	600	750	900	450	500	600	750	900	1050	1050	1200	1200	
A (mm)	650	690	790	837	987	265	305	325	300	325	435	410	490	490	
B (mm)	710	750	850	913	1063	125	125	125	230	270	270	270	270	270	
C (mm)	880	920	1020	1124	1274	725	765	865	895	1080	1110	1235	1235	1360	
D (mm)	347	400	400	490	625	347	400	400	490	625	760	775	855	940	
Filtration surface area (m <sup>2</sup> )	0.16	0.19	0.30	0.44	0.64	0.16	0.19	0.30	0.44	0.64	0.86	0.86	1.13	1.13	
Connections	1½"	1½"	1½"	2"	2"	1½"	1½"	1½"	2"	2½"	2½"	2½"	90	90	
Flow (m <sup>3</sup> /h) at 50 m <sup>3</sup> /h/m <sup>2</sup>	8	9	14	22	32	8	9	14	22	32	43	43	6	56	
Pool volume (m <sup>3</sup> ) (8 hours)	64	72	112	176	256	64	72	112	176	256	344	344	448	448	
Sand (kg)	60	95	148	245	415	60	95	148	245	415	660	660	1000	1000	
Sand load (kg)	60	95	148	245	415	60	95	148	245	415	660	660	1000	1000	
Grade 1 glass load (57011) (kg)	42	67	104	172	291	42	67	104	172	291	347	347	525	525	
Grade 2 glass load (57012) (kg)	-	-	-	-	-	-	-	-	-	-	113	113	172	172	
Grade 2 glass load (57012) (kg)	11	18	28	46	78	11	18	28	46	78	125	125	189	189	



## HIGH-PERFORMANCE LAMINATED SAND FILTERS

Filtration bed  
1.2 m

Laminated filters with higher filter bed for enhanced performance and filtration quality, both for single-layer and multi-layer filters. There are various options to help choose the model that best suits usage and maintenance requirements. Compatible with sand, glass and anthracite, among others (see page 173). They comply with filtration requirements as per standard EN 16713-1.



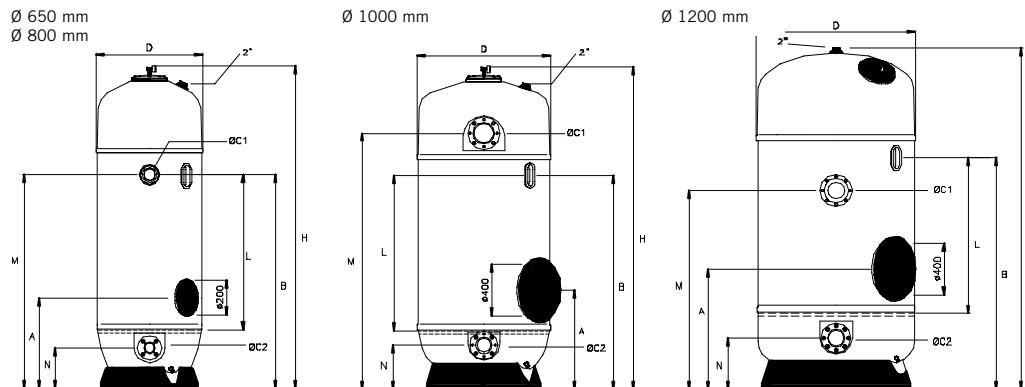
## Norma filters



Filter laminated in fibreglass-reinforced polyester (FRP). For single layer or multilayer filling. Maximum working pressure of 2.5 kg/cm<sup>2</sup>. The Norma filter is designed according to Germany's DIN 19643/19605 standard. Available with a plate collector system (0.5 mm slot) including a manhole cover for inspection of the bottom. Fitted with a sight glass, Ø 200mm top lid for loading sand and Ø 200mm or Ø 400mm side mouth depending on model. Fitted with pressure gauge, air purge and manual water drain. Interiors in PVC and PP. A4 screws and EPDM gaskets. Standard colour: ivory. Options. Vinyl ester coating (ozone resistant, concentrations <0.4 ppm and max. temp 40°C). Sand and glass compatible (see page 173).

Maximum pressure: 2.5 kg/cm<sup>2</sup>.

Diameter Ø mm	Filtration velocity	Outlet Ø mm	Flow rate m <sup>3</sup> /h at 30 m <sup>3</sup> /h/m <sup>2</sup>	Code	Standard Packaging	Standard Weight Kg	Standard Volume m <sup>3</sup>
650	30	90-75	10	08142P	1	100	1.33
800	30	90-75	15	08143P	1	125	2.00
1.000	30	140-110	23	08144P	1	145	3.00
1.200	30	140-140	34	08145P	1	177	5.50

Complies with Standard  
EN 16713-01

## TECHNICAL FEATURES



	08142P	08143P	08144P	08145P
D (mm)	650	800	1000	1200
A (mm)	680	700	770	950
B (mm)	1660	1640	1655	1790
H (mm)	2480	2480	2490	2640
L (mm)	1200	1200	1200	1200
M (mm)	1650	1650	1980	1600
N (mm)	320	320	340	400
Ø C1 (mm)	90	90	140	140
Ø C2 (mm)	75	75	110	140
Flow (m <sup>3</sup> /h) at 30 m <sup>3</sup> /h/m <sup>2</sup>	10	15	23	33
MULTILAYER	Anthracite 0.8 – 1.6 mm (l)	148	250	390
	Sand 0.4 – 0.8 mm (Kg)	160	271	420
	Gravel 1 – 2 mm (Kg)	46	78	120
	Gravel 3 – 5 mm (Kg)	46	78	120
SINGLE LAYER	Sand load (kg)	451	767	1215
	Gravel load (kg)	46	78	120
	Grade 1 glass load (57011) (kg)	346	589	698
	Grade 2 glass load (57012) (kg)	-	-	228
	Grade 2 glass load (57012) (kg)	93	159	331

Filtration bed  
1.2 m

## HIGH-PERFORMANCE LAMINATED SAND FILTERS



### Delta 1200 filters

Filter laminated in polyester and fibreglass available in diameters of 650, 800, 1000 and 1200 mm. It has a 1.2-m filter bed and is available with an arm collector system and a plate collector system. Complies with filtration requirements as per standard EN 16713-1.

- DN 200 filter lid with quick-locking system for 650 and 800 models and DN 400 bolt down lid for 1000 and 1200 models.
- DN200 lateral manhole with bolt down cover.
- Filter interior left with natural resin finish.
- Methacrylate sight glass as standard. Further sight glasses are available on request.
- Inner pipe and fittings in PVC, PP and ABS.
- Pressure gauge included in filter lid.
- Gaskets in EPDM and all screw fittings in stainless steel.
- Vinylester option. In this case, all laminated layers are manufactured from vinylester resin (and not only the top layer in contact with the water), to a maximum chemical resistance of 0.4 ppm of ozone dissolved and to a maximum water temperature of 40°C.
- Comes in RAL 5024 blue.

**Maximum pressure: 2.5 kg/cm<sup>2</sup>.**

**Conventional collector arms. Arm slots 0.3 mm**



Complies with Standard  
EN 16713-01

Diameter Ø mm	Outlet Ø mm	Flow m <sup>3</sup> /h 40m <sup>3</sup> /h/m <sup>2</sup>	Code	Standard Packaging	Standard Weight Kg	Standard Volume m <sup>3</sup>
650	1½"	13,3	36680	1	100	1.50
800	2"	20,1	36681	1	110	1.94
1000	2½"	31,4	36682	1	120	2.31
1200	90	45,2	36683	1	160	3.54

**Maximum pressure: 2.5 kg/cm<sup>2</sup>.**

**Nozzle collector plate. Nozzle slots 0.5 mm**

Diameter Ø mm	Outlet Ø mm	Flow m <sup>3</sup> /h 40m <sup>3</sup> /h/m <sup>2</sup>	Code	Standard Packaging	Standard Weight Kg	Standard Volume m <sup>3</sup>
650	1½"	13,3	36688	1	114	1.50
800	2"	20,1	36689	1	131	1.94
1000	2½"	31,4	36690	1	150	2.31
1200	90	45,2	36691	1	200	3.54

	Collector arms				Nozzle collector plate			
	36680	36681	36682	36683	36688	36689	36690	36691
Sand load (kg)	451	767	1325	1763	451	767	1325	1763
Gravel load (kg)	86	156	300	350	46	78	120	175
Grade 1 glass load (57011) (kg)	373	641	845	1100	346	589	756	1013
Grade 2 glass load (57012) (kg)	-	-	276	359	-	-	247	331
Grade 2 glass load (57012) (kg)	101	173	304	396	93	159	272	364

Filtration bed  
1 m

## HIGH-PERFORMANCE LAMINATED SAND FILTERS



Delta 1000 filters



Filter laminated in polyester and fibreglass available in diameters of 650, 800, 1000 and 1200 mm. It has a 1-m filter bed and is available with an arm collector system and a plate collector system. Complies with filtration requirements as per standard EN 16713-1.

- DN 200 filter lid with quick-locking system for 650 and 800 models and DN 400 bolt down lid for 1000 and 1200 models.
- DN200 lateral manhole with bolt down cover.
- Filter interior left with natural resin finish.
- Methacrylate sight glass as standard. Further sight glasses are available on request.
- Inner pipe and fittings in PVC, PP and ABS.
- Pressure gauge included in filter lid.
- Gaskets in EPDM and all screw fittings in stainless steel.
- Vinylester option. In this case, all laminated layers are manufactured from vinylester resin (and not only the top layer in contact with the water), to a maximum chemical resistance of 0.4 ppm of ozone dissolved and to a maximum water temperature of 40°C.
- Comes in RAL 5024 blue.

**Maximum pressure: 2.5 kg/cm<sup>2</sup>.**

**Conventional collector arms. Arm slots 0.3 mm**

Diameter Ø mm	Outlet Ø mm	Flow m <sup>3</sup> /h 40m <sup>3</sup> /h/m <sup>2</sup>	Code	Standard Packaging	Standard Weight Kg	Standard Volume m <sup>3</sup>
500	1½"	8	58682	1	80	1.34
650	1½"	13,3	36676	1	80	1.34
800	2"	20,1	36677	1	90	1.71
1000	2½"	31,4	36678	1	125	2.16
1200	90	45,2	36679	1	150	3.29

\*\* Maximum flow and filtration velocity recommended

**Maximum pressure: 2.5 kg/cm<sup>2</sup>.**

**Nozzle collector plate. Nozzle slots 0.5 mm**

Diameter Ø mm	Outlet Ø mm	Flow m <sup>3</sup> /h 40m <sup>3</sup> /h/m <sup>2</sup>	Code	Standard Packaging	Standard Weight Kg	Standard Volume m <sup>3</sup>
650	1½"	13,3	36684	1	94	1.34
800	2"	20,1	36685	1	111	1.71
1000	2½"	31,4	36686	1	155	2.16
1200	90	45,2	36687	1	190	3.29

\*\* Maximum flow and filtration velocity recommended

	Collector arms					Nozzle collector plate			
	58682	36676	36677	36678	36679	36684	36685	36686	36687
Sand load (kg)	245	400	640	990	1425	400	640	990	1425
Gravel load (kg)	60	86	156	300	350	46	78	120	175
Grade 1 glass load (57011) (kg)	211	337	552	669	923	311	500	580	836
Grade 2 glass load (57012) (kg)	-	-	-	219	301	-	-	189	273
Grade 2 glass load (57012) (kg)	57	91	149	241	332	84	135	208	300

NB: Options coding according to table on page 422

## HIGH-PERFORMANCE LAMINATED SAND FILTERS

Delta filters



Fast lid for diameters 500, 650 and 800



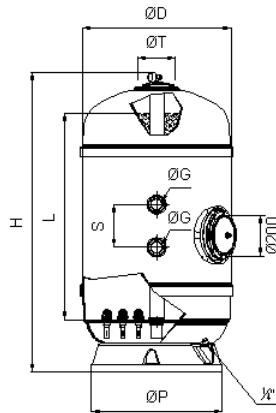
Collector arms detail



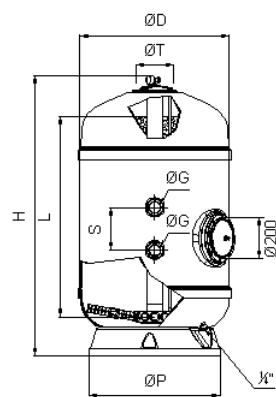
Lid D.400 for diameters 1000 and 1200



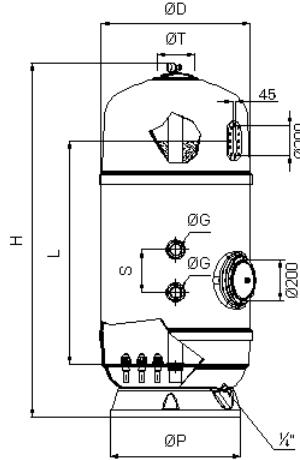
Nozzle plate detail



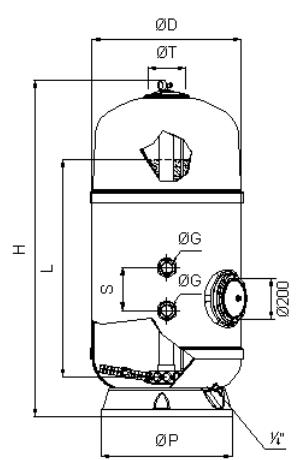
Delta 10 nozzle collector plate



Delta 10 nozzle collector arms



Delta 12 nozzle collector plate



Delta 12 nozzle collector arms

## TECHNICAL FEATURES

	DELTA 10												DELTA 12											
	Collector arms						Nozzle collector plate						Collector arms						Nozzle collector plate					
	58682	36676	36677	36678	36679	36684	36685	36686	36687	36680	36681	36682	36683	36688	36689	36690	36691							
D (mm)	535	670	820	1.035	1.240	650	800	1.000	1.200	650	800	1.000	1.200	650	800	1.000	1.200							
Ø P (mm)	400	490	625	890	1145	490	625	890	1145	585	700	890	1145	585	700	890	1145							
H (mm)	1680	1702	1749	1840	1915	1770	1860	1870	1240	1920	1995	2010	2150	1920	1995	2010	2150							
L (mm)	-	1000	1000	1000	1000	1000	1000	1000	1000	1200	1200	1200	1200	1200	1200	1200	1200							
S (mm)	125	125	230	270	300	125	230	270	300	125	230	270	300	125	230	270	300							
Ø T	200	200	200	400	400	200	200	400	400	200	200	400	400	200	200	400	400							
Ø G	1½"	1½"	2"	2½"	3"	1½"	2"	2½"	3"	1½"	2"	2½"	3"	1½"	2"	2½"	3"							
Flow rate m³/h at 30 m³/h/m²	5.88	9	15	23	34	9	15	23	34	9	15	23	34	9	15	23	34							
Flow rate m³/h at 40 m³/h/m²	7,84	12	20	30	45	12	20	30	45	12	20	30	45	12	20	30	45							
MULTILAYER	Anthracite 0.8 – 1.6 mm (l)												Sand 0.4 – 0.8 mm (Kg)											
	-	-	-	-	-	-	-	-	-	148	250	387	564	148	250	387	564							
	Sand 0.4 – 0.8 mm (Kg)												Gravel 1 – 2 mm (Kg)											
	-	-	-	-	-	-	-	-	-	160	271	419	611	160	271	419	611							
	Gravel 1 – 2 mm (Kg)												Gravel 3 – 5 mm (Kg)											
	-	-	-	-	-	-	-	-	-	46	78	120	175	46	78	120	175							
SINGLE LAYER	Sand 0.4 – 0.8 mm (Kg)												Gravel 3 – 5 mm (Kg)											
	245	400	640	990	1425	400	640	990	1425	451	767	1325	1763	451	767	1325	1763							
	Gravel 1 – 2 mm (Kg)												Grade 1 glass load (57011) (kg)											
	60	86	156	300	350	46	78	120	175	86	156	300	350	46	78	120	175							
	Grade 1 glass load (57012) (kg)												Grade 2 glass load (57012) (kg)											
	-	-	-	219	301	-	-	189	273	-	-	276	359	-	-	247	331							
	Grade 2 glass load (57012) (kg)												Grade 2 glass load (57012) (kg)											
	57	91	149	241	332	84	135	208	300	101	173	304	396	93	159	272	364							

Filtration bed  
1.2 m

## HIGH-PERFORMANCE LAMINATED SAND FILTERS



### Artic Plus filter



Range of high-capacity retention filters with optimal backwash performance. Manufactured in polyester with an external gel-coat finish. Body of just two parts; ivory. Maximum working temperature of 50°C. Internal parts made from PVC plastic. Antivortex. Ø 400 lid to remove sand from bottom part of filter (optional) in Ø 1050 and Ø 1200 versions. Ø 650, 800, 950, 1050 and 1200 filters available with collector arms or nozzle plate. Compatible with sand and glass, among others (see page 173). Complies with filtration requirements as per standard EN 16713-1.

Code	Pack. Standard	Weight kg Standard	Volume in m <sup>3</sup> Standard
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#### Collector arms system

Ø 650 mm connection 1½"	36053-100	1	80	1.45
Ø 800 mm connection 2"	36054-100	1	95	1.85
Ø 950 mm connection 2½"	41373	1	136	2.54
Ø 1050 mm connection 3"	36055	1	145	2.73
Ø 1200 mm connection 4"	36056	1	220	4.10



Complies with Standard  
EN 16713-01



Nozzle plate detail



Collector arms detail

	36053	36054	41373	36055	36056
Ø D (mm)	680	825	970	1090	1255
H (mm)	1900	1950	1960	2145	2170
M (mm)	125	230	270	270	270
N (mm)	730	670	665	665	665
L (mm)			1200		
C (mm)			300		
P (mm)	490	625	705	775	940
T (mm)		200			400
Connections	1½"	2"	2½"	3"	4"
Flow rate (m <sup>3</sup> /h)	16,5	25	35	43	56,5
Filtration area (m <sup>2</sup> )	0,33	0,50	0,70	0,86	1,13
Sand load (kg)	470	660	1015	1240	1665
Gravel load (kg)	100	165	260	320	410
Grade 1 glass load (57011) (kg)	396	572	663	811	1079
Grade 2 glass load (57012) (kg)	-	-	216	265	352
Grade 2 glass load (57012) (kg)	107	154	238	291	388
Maximum pressure (kg/cm <sup>2</sup> )			2,5		
Net weight (kg)	75	90	131	135	210
Water drain	1"	1"	1"	2½"	2½"
Injection-moulded plastic lid	Ø200	Ø200	Ø200	Ø400	Ø400



Filtration bed  
1 m

## HIGH-PERFORMANCE LAMINATED SAND FILTERS



## Artic filter



Range of high-capacity retention filters with optimal backwash performance. Manufactured in polyester with an external gel-coat finish. Body of just two parts; ivory. Maximum working temperature of 50°C. Internal parts made from PVC plastic. Antivortex. Ø 400 lid to remove sand from bottom part of filter (optional) in Ø 1050 and Ø 1200 versions. Ø 650, 800, 950, 1050 and 1200 filters available with collector arms or nozzle plate. Compatible with sand and glass, among others (see page 173). Complies with filtration requirements as per standard EN 16713-1.

	Code	Pack. Standard	Weight kg Standard	Volume in m <sup>3</sup> Standard
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## Collector arms system

Ø 500 mm connection 1½"	34029-0100	1	65	1.30
Ø 650 mm connection 1½"	34030-0100	1	70	1.34
Ø 800 mm connection 2"	34031-0100	1	75	1.67
Ø 950 mm connection 2½"	41187	1	119	2.30
Ø 1050 mm connection 3"	41188	1	145	2.42
Ø 1200 mm connection 4"	41189	1	165	3.65



Complies with Standard  
EN 16713-01

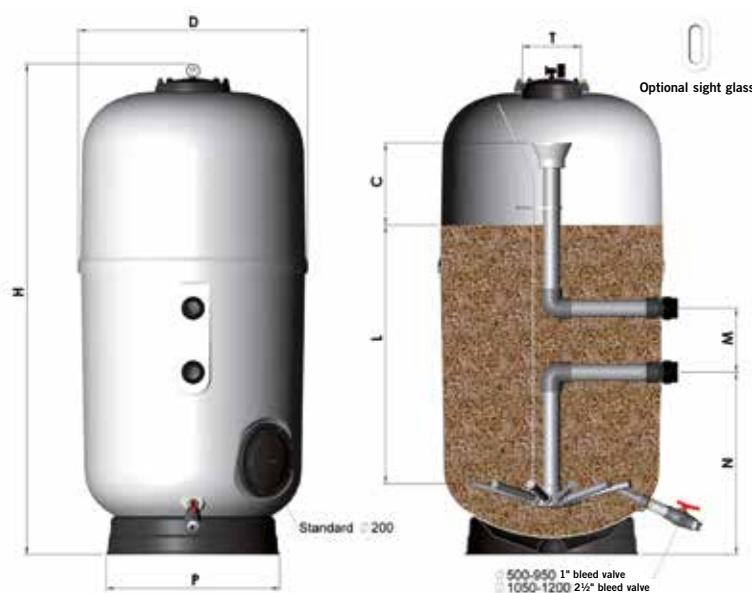


Nozzle plate detail



Collector arms detail

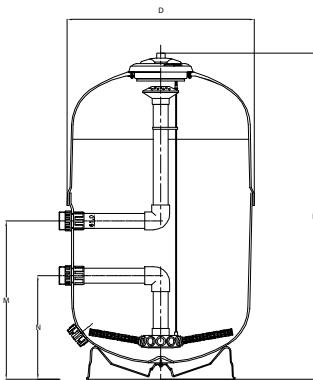
	34029	34030	34031	41187	41188	41189
Ø D (mm)	535	680	825	970	1090	1255
H (mm)	1650	1700	1750	1760	1895	1970
M (mm)	125	125	230	270	270	270
N (mm)	780	775	685	655	630	665
L (mm)				1000		
C (mm)				300		
P (mm)	400	490	625	705	775	940
T (mm)			200			400
Connections	1½"	1½"	2"	2½"	3"	4"
Flow rate (m <sup>3</sup> /h)	9,5	16,5	25	35	43	56,5
Filtration area (m <sup>2</sup> )	0,19	0,33	0,50	0,70	0,86	1,13
Sand load (kg)	225	380	530	830	1015	1360
Gravel load (kg)	50	100	165	260	320	410
Grade 1 glass load (57011) (kg)	191	332	481	754	923	1225
Grade 2 glass load (57012) (kg)	51	90	130	203	249	330
Maximum pressure (kg/cm <sup>2</sup> )	2,5	2,5	2,5	2,5	2,5	2,5
Net weight (kg)	60	65	70	109	135	155
Water drain	1"	1"	1"	1"	2½"	2½"
Injection-moulded plastic lid	Ø200	Ø200	Ø200	Ø200	Ø400	Ø400



Filter bed  
depth 0.8 m



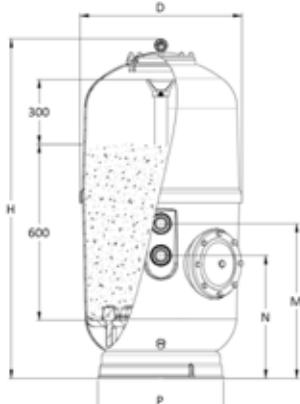
Complies with Standard  
EN 16713-01



Filtration bed  
0.6 m



Complies with Standard  
EN 16713-01



## HIGH-PERFORMANCE LAMINATED SAND FILTERS

### Aster filter - high quality of filtration

Laminated filter made of fibreglass and polyester. Filter bed 800 mm in depth. Grey in colour, polypropylene base, new boltless lid, water drainage plug, flowmeter and side multiport valve. Maximum pressure of 2.5 kg/cm<sup>2</sup>. Top filtration speed of 50 m<sup>3</sup>/h/m<sup>2</sup>. The filter can be used with a single layer or a multi-layer combination of gravel with sand, glass or anthracite. Quick-release lid. Has a 2½" sand discharge outlet at the bottom of the filter. Optional sand discharge outlet of 200 mm. Optional vinyl ester interior finish for treatment with ozone. Top working temperature of 40 °C.

Code	Pack. Standard	Weight kg Standard	Volume in m <sup>3</sup> Standard
Ø 500 mm output 1½"	24768-0100	1	30
Ø 600 mm output 1½"	24769-0100	1	40
Ø 750 mm output 2"	24770-0100	1	60
Ø 900 mm output 2"	10003-0100	1	90
Ø 900 output 2½"	10004	1	90

	24768-0100	24769-0100	24770-0100	10003-0100	10004
Ø D (mm)	500	600	750	900	
H (mm)	1365	1370	1435	1400	1435
M (mm)	605	605	665	825	865
N (mm)	480	480	435	595	595
Connections	1½"	1½"	2"	2"	2½"
Flow (m <sup>3</sup> /h) at 50 m <sup>3</sup> /h/m <sup>2</sup>	9.5	16.5	21	31	
Pool volume (m <sup>3</sup> )	75	120	175	250	
Sand load (kg)	200	300	450	580	
Gravel load (kg)	16	35	65	135	
Grade 1 glass load (57011) (kg)	151	233	358	496	
Grade 2 glass load (57012) (kg)	41	63	97	134	
Maximum pressure (kg/cm <sup>2</sup> )				2.5	

### Aster filter high filtration with nozzle plate

Filter laminated in polyester and fibreglass. Optional Ø 200mm sand discharge at bottom. Black screw-down lid ¼" water drain at bottom. Maximum working pressure of 2.5 kg/cm<sup>2</sup>. Maximum working temperature of 40°C.

Code	Pack. Standard	Weight kg Standard	Volume in m <sup>3</sup> Standard
Ø 500 mm output 2"	24768FT01-110 000	1	30
Ø 600 mm output 2"	24769FT01-110 000	1	40
Ø 750 mm output 2"	24770FT01-110 000	1	60
Ø 900 mm output 2"	10003FT01-110 000	1	90
Ø 900 output 2½"	10004FT01-110 000	1	90

	24768FT01 110 000	24769FT01 110 000	24770FT01 110 000	10003FT01 110 000	10004FT01 110 000
Ø D (mm)	500	600	750	900	
H (mm)	1365	1370	1435	1400	1435
M (mm)	605	605	665	825	865
N (mm)	480	480	435	595	
P (mm)	400	490	625	705	
Connections	1½"	1½"	2"	2"	2½"
Flow (m <sup>3</sup> /h) at 50 m <sup>3</sup> /h/m <sup>2</sup>	9.5	16.5	21	31	
Pool volume (m <sup>3</sup> )	75	120	175	250	
Sand load (kg)	200	300	450	580	
Gravel load (kg)	16	35	65	135	
Grade 1 glass load (57011) (kg)	151	233	358	496	
Grade 2 glass load (57012) (kg)	41	63	97	134	
Maximum pressure (kg/cm <sup>2</sup> )				2.5	



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## BOBBIN-WOUND SAND FILTERS

Filters made of fiberglass and polyester resin with internal components and accessories in high quality engineering plastics. thanks to its double coating, the resulting body is extremely resistant, durable and reliable. Compatible with sand and glass, among others (see page 173). They comply with filtration requirements as per standard EN 16713-1.



Berlin filter



**With multiport valve:**

	Code	Pack. Standard	Weight kg Standard*	Volume in m <sup>3</sup> Standard*
9000 l/h Ø 500 mm outlet 1½"	00541	1	17.3	0.24
14000 l/h Ø 600 mm outlet 1½"	00542	1	21.8	0.37
21000 l/h Ø 750 mm outlet 2"	00543	1	35.1	0.65

**Without multiport valve:**

30000 l/h Ø 900 mm outlet 2½"	00544	1	53.4	1.01
30000 l/h Ø 900 mm outlet 2"	15397	1	53.4	1.01
30000 l/h Ø 900 mm outlet 2" (4 bar)	28474	1	67.0	1.01

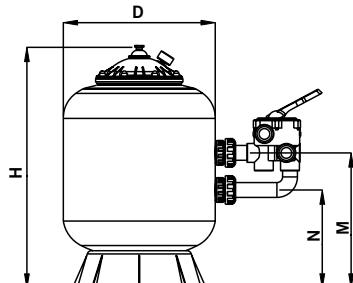
**Without multiport valve and  
with Ø 400 mm polyester and FV lid:**

43000 l/h Ø 1050 mm outlet Ø 75 mm	00545	1	110.0	1.92
56000 l/h Ø 1200 mm outlet Ø 90 mm	00546	1	140.0	2.70

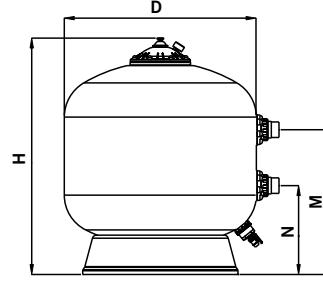
\* Figures without valve



Complies with Standard  
EN 16713-01



With multiport valve



Without multiport valve

	With multiport valve			Without multiport valve				
	00541	00542	00543	00544	15397	28474	00545	00546
Ø D (mm)	500	600	750	900	900	900	1050	1200
H (mm)	805	910	1050	1145	1135	1135	1300	1450
M (mm)	450	505	610	685	635	635	810	870
N (mm)	325	380	380	415	405	405	500	560
Connections	1½"	1½"	2"	2½"	2"	2"	*D75	**D90
Flow (m <sup>3</sup> /h) at 50 m <sup>3</sup> /h/m <sup>2</sup>	9	14	21	30	30	30	43	56
Pool volume (m <sup>3</sup> )	50-75	75-115	115-170	170-240	-	-	240-350	350-450
Sand load (kg)	100	175	300	525	525	525	575	800
Gravel load (kg)	-	-	-	-	-	-	300	300
Grade 1 glass load (57011) (kg)	70	123	210	368	368	368	451	570
Grade 2 glass load (57012) (kg)	-	-	-	-	-	-	147	186
Grade 2 glass load (57012) (kg)	19	33	57	99	99	99	162	205
Maximum pressure (kg/cm <sup>2</sup> )	2.5	2.5	2.5	2.5	2.5	4	2.5	2.5
Net weight (kg)	15.3	19.8	33.1	51.4	51.4	51.4	100	130
Package volume (m <sup>3</sup> )	0.35	0.37	0.65	1.01	1.01	1.01	1.92	2.70

See our wide range of housing according to your filtration needs



## COMPACTS WITHOUT INTERIOR INSTALLATION

### In-ground compact housings

Stackable to facilitate shipping and storage; streamlined interior to obtain top performance in the smallest possible space. Light cover with reinforced hinges. Prefabricated in polyester and fibreglass with a gelcoat finish. Outside of the cover in green and inside of the housing in ivory.

Code	Pack. Standard	Weight kg Standard	Volume in m <sup>3</sup> Standard
<b>Supplied with openings for connections:</b>			
00615 /1	1	175	2.02
00616 /1	1	156.5	2.54
00618	1	126.0	3.87



### Semi in-ground compact housings

Prefabricated in polyester and fibreglass. Ivory. Fully opening cover.

Code	Pack. Standard	Weight kg Standard	Volume in m <sup>3</sup> Standard
00619/1	1	80.0	2.7
00620/1	1	145.0	3.2

## COMPACTS WITH INTERIOR INSTALLATION



### Ramses above-ground compact housing

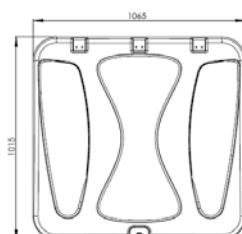
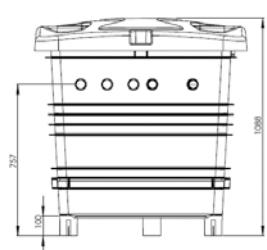
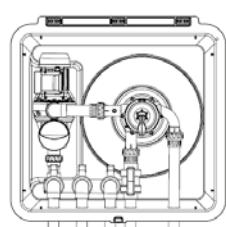
Embedded housing comprising an injection-moulded reinforced polymer body and lid. Complete and ready-assembled.

Connections: Ø50 PVC tube All pool types of up to 80m<sup>3</sup>

#### Components that include:

- 1 hp pump.
- Filter (according to model).
- 6-way top valve.
- Interior PVC connections and valves.

Code	Pack. Standard	Weight kg Standard	Volume in m <sup>3</sup> Standard
41910	1	76	1.18
69829	1	68	1.18





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## COMPACTS WITH INTERIOR INSTALLATION



### Compact Keops with salt chlorinator

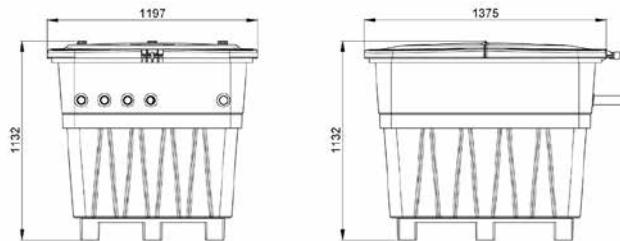
Embedded housing comprising an injection-moulded reinforced polymer body and lid. Complete and ready-assembled.

Connections: Ø50 PVC tube All pool types of up to 100m<sup>3</sup>

#### Components that include:

- Advantages of Victoria Plus Silent 1HP
- Filter (according to model).
- 6-way side valve.
- Compact 100 salt chlorinator.
- Interior PVC connections and valves.

	Code	Pack. Standard	Weight kg Standard	Volume in m <sup>3</sup> Standard
Keops with salt chlorinator and Cantabric 600 filter	<b>69832</b>	1	-	-
Keops with salt chlorinator and Aster 600 filter	<b>69831</b>	1	-	-



### Raised compacts - Ramses Up

Designed for outdoor installation. Lid with reinforced edge. Size: 149 x 82 x 120.

	Code	Pack. Standard	Weight kg Standard	Volume in m <sup>3</sup> Standard
Without inner assembly	<b>61423</b>	1	25	0.400
With Aster 550 Sena 1 HP S/A	<b>61423AS55001</b>	1	-	-





## SELECTOR VALVES



A wide range of valves which offers the New Generation series, the Classic series and Flat series with 1½" and 2" valve configurations. The Magnum series with 2½", 3" and 4" valves completes the range.

## Six-port multiport valve

A six-port selector valve able to perform several functions in a hydraulic circuit: filtration, flushing, shut-off, backwashing and rinsing of the filter. Its extremely functional design means that it can be fitted up to any installation. All joints will be perfectly sealed and it is easy to operate.

Its minimum friction and resistance, maximum safety and pleasant finish were decisive factors in choosing the materials that best adapted to the needs of all of its components: ABS body, lid and handle, PPO distributor, EPDM gaskets, metal parts in stainless steel.

## Connection options in multiport valve

Connection options	Connec-tion	Lower outlets	New Generation		Classic		Flat	Magnum
			1 ½" Eco	1 ½"	2"	1 ½"	2"	1 ½"
<b>Configuration 1</b>  "Top" inlet and "Bottom" outlet at the base. Commonly used for filters with a Top output valve.	Without connection	Threaded			28509	11542	08938	
		Smooth				00597		
<b>Configuration 2</b>  "Top" inlet at the base and "Bottom" outlet on one side.	With connection	Threaded						
		Smooth			15385	15389		
	Without connection	Threaded		28510	11366	08939		
		Smooth						
<b>Configuration 3</b>  Filter inlet "Top" from the MPV side and filter outlet "Bottom" to the MPV base. This configuration can be supplied with pipework and connections for side mounting.	With connection	Threaded						
		Smooth	20569	28512	00599	07444	34543	24837
	Without connection	Threaded	23108	28511	14909	07441	34544	24838
		Smooth	20043		00598		34545	
<b>Configuration 4</b>  Both the filter inlet "Top" and the filter outlet "Bottom" from and to the MPV sides.	Without connection	Threaded		28513	11368	08940		
		Smooth						
<b>Configuration 5</b>  All inlets and outlets open.	Without connection	Threaded		28514				28515
		Smooth	32583	20565	33968		22490	34546
<b>Top</b>	Without connection	Threaded						
		Smooth						

## SELECTOR VALVES

### New Generation

Manual multiport valves which incorporate a bayonet closing system (replacing bolts). This eases dismantling for maintenance and prevents rust.  
The range includes the 1½" and 2" versions, including a "Top Eco" version available in 1½".



Selector valve with coupling to filter - New generation

	Code	Pack. Standard	Weight kg Standard	Volume in m <sup>3</sup> Standard
Configuration 3 - 1 ½"	<b>20569</b>	6	14.0	0.079
Configuration 3 - 2"	<b>28512</b>	6	26.4	0.165
Configuration 3 - 1 ½" NPT	<b>22355</b>	6	14.0	0.079
Configuration 3 - 2" NPT	<b>30788</b>	6	26.4	0.165

1½" and 2" multiport valve - New Generation



	Code	Pack. Standard	Weight kg Standard	Volume in m <sup>3</sup> Standard
<b>Multiport valve 1½" - Configuration 3</b>	<b>20043</b>	6	11.5	0.079
<b>Multiport valve 2":</b>				
Configuration 1	<b>28509</b>	6	22.3	0.165
Configuration 2	<b>28510</b>	6	22.3	0.165
Configuration 3	<b>28511</b>	6	22.3	0.165
Configuration 4	<b>28513</b>	6	22.3	0.165
Configuration 5	<b>28514</b>	6	22.3	0.165
Multiport valve 1½" NPT - Configuration 3	<b>22356</b>	6	11.5	0.079
Multiport valve 2" NPT - Configuration 3	<b>30795</b>	6	22.3	0.165

1½" and 2" multiport valve. Top Config. - New Generation



	Code	Pack. Standard	Weight kg Standard	Volume in m <sup>3</sup> Standard
Top 1½" Multiport valve	<b>20565</b>	6	12.10	0.079
Top 2" Multiport valve	<b>33968</b>	1	3.95	0.028
Top 1½" NPT Multiport valve	<b>22358</b>	6	12.10	0.079

1½" multiport valve. Top ECO version - New Generation



6-way multiport valve for above ground pool filters where the pressure does not exceed 1.5 bar, of maximum diameter 380 mm. Bayonet closing system.

	Code	Pack. Standard	Weight kg Standard	Volume in m <sup>3</sup> Standard
	<b>32583</b>	6	8.83	0.082



## SELECTOR VALVES

## Classic

Manual multiport valves with six channels to carry out different functions in an hydraulic circuit. Its design, basically functional, offers a wide range of possibilities of connection to any installation, assuring perfect water-tightness and comfortable handling.



## 1 1/2" and 2" multiport valve with filter connections - Classic

	Code	Pack. Standard	Weight kg Standard	Volume in m <sup>3</sup> Standard
1 1/2" multiport valve - Configuration 3	00599	6	15.5	0.079
2" multiport valve - Configuration 3	07444	6	22.7	0.150
1 1/2" NPT multiport valve - Configuration 3	06673-0700	6	15.5	0.079
2" NPT multiport valve- Configuration 3	09848	6	22.7	0.150

## 1 1/2" and 2" multiport valve - Classic



	Code	Pack. Standard	Weight kg Standard	Volume in m <sup>3</sup> Standard
1 1/2" multiport valve - Configuration 1	00597	6	12.2	0.079
1 1/2" multiport valve - Configuration 3	00598	6	12.1	0.079
2" multiport valve - Configuration 3	07441	6	19.9	0.150
1 1/2" NPT multiport valve - Configuration 3	06595	6	12.1	0.079
2" NPT multiport valve - Configuration 3	07440	6	19.9	0.150

## 2" TOP multiport valve- Classic



65216

22490

6-way TOP multiport valve for residential pools. Body, cover and handle injected in ABS. 2" thread.

	Code	Pack. Standard	Weight kg Standard	Volume in m <sup>3</sup> Standard
Top 1 1/2" Multiport valve	65216	6	14.6	0.123
Top 2" Multiport valve	22490	1	3.45	0.028
2" TOP multiport valve	22492	1	3.45	0.028

## Flat

Introducing a new multiport valve which for the first time features a special compact look thanks to its single-level design (compared to the normal twin-level set-up in other multiport valves). This reduced size makes the equipment especially suitable in installations where space is at a premium, such as in filter housing or monoblocks.



## 1 1/2" lateral multiport valve with filter connections - Flat

Configuration 3

	Code	Pack. Standard	Weight kg Standard	Volume in m <sup>3</sup> Standard
Configuration 3	34543	1	-	-

## 1 1/2" lateral multiport valve - Flat



Configuration 3 (bottom port threaded)  
Configuration 3 (bottom port solve weld)

	Code	Pack. Standard	Weight kg Standard	Volume in m <sup>3</sup> Standard
Configuration 3 (bottom port threaded)	34544	1	-	-
Configuration 3 (bottom port solve weld)	34545	1	-	-

## 1 1/2" TOP multiport valve - Flat



	Code	Pack. Standard	Weight kg Standard	Volume in m <sup>3</sup> Standard
	34546	1	-	-

## SELECTOR VALVES

**Magnum**

Specially designed to support high working pressures and connection to large filters which require special connections. Choose from the models offered: 2 ½", 3" and 4" multiport valves.



2 ½" multiport valve with filter connections - Magnum

Multiport valve with connections to pool pipes.

	Code	Pack. Standard	Weight kg Standard	Volume in m <sup>3</sup> Standard
<b>2 ½" multiport valve</b> - Configuration 3	<b>24837</b>	1	9.5	0.060
<b>2 ½" NPT multiport valve</b> - Configuration 3	<b>24840</b>	1	9.5	0.060



2 ½" multiport valve - Magnum

Filter inlet from the side and outlet from the bottom. With connections to pool pipes.

	Code	Pack. Standard	Weight kg Standard	Volume in m <sup>3</sup> Standard
<b>2 ½" multiport valve</b> - Configuration 3	<b>24838</b>	1	8.2	0.061
<b>2 ½" NPT multiport valve</b> - Configuration 3	<b>24839</b>	1	8.2	0.061



3" multiport valve - Magnum

Side mounted 6-way multiport valve for connecting to filters. Body and cover injected in ABS and fibreglass. Handle injected in ABS. Sealing system by stainless steel screws. Supplied with two plugs so that the customer can adapt the valve to the most suitable configuration.

	Code	Pack. Standard	Weight kg Standard	Volume in m <sup>3</sup> Standard
<b>3" multiport valve</b>	<b>28515</b>	1	9.8	0.064
<b>3" NPT multiport valve</b>	<b>30798</b>	1	9.8	0.064





## SELECTOR VALVES



## Automatic multiport valve System VRAC Flat 1½"

Low-priced automatic multiport valve model that stands out for its easy operation. Voltage 230/115 volts. Controls filtration, backwashing, rinsing and emptying.

	Code	Pack. Standard	Weight kg Standard	Volume in m <sup>3</sup> Standard
Top	<b>43512</b>	1	-	-
SIDE	<b>43513</b>	1	-	-



## Basic VRAC III automatic switch valve system



New, improved automatic multiport valve run using a push button keyboard. Controls filtration, backwashing, rinsing, emptying, recirculation and shut-down.

- Adaptable:** It can be fitted in all facilities with a filter, and is quick and easy to install.
- Comfort:** With a simple programming using the keypad, you will receive a fully automated filtration of your pool.
- Hygiene:** To obtain an optimal water quality for swimming, filtration runs every day, optimizing the wash cycles.
- Safety:** The automatic valve continually monitors the filtration system, thus preventing potential breakdowns. New power surge protection. Spring coated to prevent rusting.
- Quick-read information via LED lights.**

	Code	Pack. Standard	Weight kg Standard	Volume in m <sup>3</sup> Standard
Basic 1½" side mounted, Config. 3	<b>70768</b>	1	4.27	0.023
Basic 2" side mounted, Config. 3	<b>70769</b>	1	5.75	0.033

Fluidra Connect

compatible

A multiport safety valve (code 41898 or 41899) is recommended.



## Hydraulic safety valve

The 1 ½" hydraulic safety valve in the drain is specially designed for installation in the drain outlet of an automatic selector valve on a pool sand filter.

Using it prevents water loss when the valve changes its working position or when the electricity flow fails and the valve remains in a position in which it could empty the pool.

It is recommended in installations with SYSTEM VRAC multiport valves.

	Code	Pack. Standard	Weight kg Standard	Volume in m <sup>3</sup> Standard
With 50 mm straight double connection	<b>41898</b>	1	-	-
With 1 ½" BSP double hose connection	<b>41899</b>	1	-	-



## GAUGE PANEL UNIT

## Gauge panel unit



Including air vents.

	Code	Pack. Standard	Weight kg Standard	Volume in m <sup>3</sup> Standard
With pressure gauges 3 kg/cm <sup>2</sup>	<b>00729</b>	1	1	0.007
With pressure gauges 6 kg/cm <sup>2</sup>	<b>00730</b>	1	1	0.007

With pressure gauges 3 kg/cm<sup>2</sup>  
With pressure gauges 6 kg/cm<sup>2</sup>

## FILTRATION MEDIA AND ACCESSORIES



## OC-1 filtration medium



## OC-1 filtration load: The future of pool filtration

OC refers to Open Cell and OC-1 is a mechanical filter that uses open-cell filtration technology to filter water with a high quality, increasing the water saving and energy potential. The filtration media is an extruded plastic compound comprising a base of High Density Polyethylene with Calcium Carbonate.

- Saves water: exclusive filtration method that reduces water consumption by more than 40%.
- Saves power: lets you use a smaller pump or lower the power to get the same flow you would with traditional filtration media.
- Saves time: OC-1 reduces backwash frequency to less than a third of traditional methods, meaning more leisure time for you.
- The OC-1 media has been tested in accordance with current European standard EN16713-1.

	Code	Pack. Standard	Weight kg Standard	Volume in m <sup>3</sup> Standard
OC-1 50L filtration media bag	<b>69752</b>	1	9.0	0.05
OC-1 20L filtration media bag	<b>69753</b>	1	3.6	0.02

## Active Clear Glass



AstralPool sells Active Clear Glass filtration material.

Active Clear Glass has the following benefits:

- More efficient and ecological filtration with water and energy savings.
- Higher filtration capacity with a cleaner bed that traps bacteria.

Granulometry	Code	Pack. Standard	Weight kg Standard	Volume in m <sup>3</sup> Standard
0.5 mm - 1.0 mm	<b>57011</b>	1	25.0	0.667
1.0 mm - 3.0 mm	<b>57012</b>	1	25.0	0.667
3.0 mm - 7.0 mm	<b>57013</b>	1	25.0	0.667

	Code	Range	% Volume of the filter bed	
			Filters D < 900 mm	Filters D > 900 mm
Range 1	<b>57011</b>	0.5 - 1.0 mm	0.8	0.6
Range 2	<b>57012</b>	1.0 - 3.0 mm	0	0.2
Range 3	<b>57013</b>	3.0 - 7.0 mm	0.2	0.2



## Silex



Other silex grades available to order.  
25 Kg bag.

Granulometry 0.4 - 0.8 mm

	Code	Pack. Standard	Weight kg Standard	Volume in m <sup>3</sup> Standard
	<b>00596</b>	1	25	0.667

## Gravel



Please ask for a quotation for other grades.  
25 Kg bag.

Granulometry 1 - 2 mm  
Granulometry 3 - 5 mm

	Code	Pack. Standard	Weight kg Standard	Volume in m <sup>3</sup> Standard
	<b>10697</b>	1	25	0.667
	<b>11346</b>	1	25	0.667



## FILTRATION MEDIA &amp; ACCESSORIES

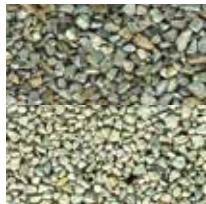


## Anthracite

Please ask for a quotation for other grades.  
25 Kg bag.

Granulometry 0.8 - 1.6 mm

Code	Pack. Standard	Weight kg Standard	Volume in m <sup>3</sup> Standard
<b>03696</b>	1	25	0.8



## Zeolite

Natural porous material that has higher filtration qualities than the normal substrate. It can be compared to that of diatoms, at a much more competitive price and longer duration.

Zeolite standard 0.5 - 1 mm  
Zeolite standard 1-2 mm  
Zeolite standard 2-5 mm

Code	Pack. Standard	Weight kg Standard	Volume in m <sup>3</sup> Standard
<b>25845</b>	1	25	-
<b>25846</b>	1	30	0.023
<b>25847</b>	1	30	0.023



## Cartridge for Terra filters

## Cartridges

For Terra 50 filter  
For Terra 75 filter  
For Terra 100 filter  
For Terra 150 filter

Code	Pack. Standard	Weight kg Standard	Volume in m <sup>3</sup> Standard
<b>19785</b>	1	1.7	0.016
<b>19786</b>	1	2.0	0.024
<b>19787</b>	1	2.5	0.031
<b>19788</b>	1	3.1	0.03



## PUMPS

- 177 • Variable speed pumps
- 178 • Self-priming pumps
- 181 • Control boxes
- 184 • Countercurrent swimming equipment – Selection guide
- 185 • Countercurrent swimming equipment
- 191 • Blower pumps

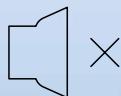
PUMPS

# VICTORIA PLUS SILENT VS

ASTRALPOOL 

Shhhh... Relax and enjoy  
the silence of your pool

A NEW GENERATION OF  
FILTRATION PUMPS



#### Silent

At just 45 dB, it is amongst the most silent pumps in the market



#### Savings

A variable speed pump that could see you save as 900€ in power consumption



#### Fluidra Connect connectivity

Download the app and program it from your mobile phone or tablet



#### User-friendly display

Easy to use and program with the added bonus that it can be installed on a wall



#### Easy to replace

Compatible with all earlier Victoria models by AstralPool



#### Reliability

Cutting-edge engineering tested for a long, problem-free service life





Further information in **PRODUCTS**  
www.astralpool.com

## VICTORIA PLUS SILENT VS



Fluidra Connect  
compatible

### VARIABLE SPEED PUMPS

#### Victoria Plus Silent VS pump



The Victoria Plus Silent pump for residential pools comes with a 1 hp or 2 hp motor, has variable speeds and can be automatically controlled.

This pump has been designed for both new-build pools and as a replacement for pumps already fitted.

Significant power savings can be made thanks to the use of variable speeds and the timer.

The pump is compatible with the Fluidra Connect platform.

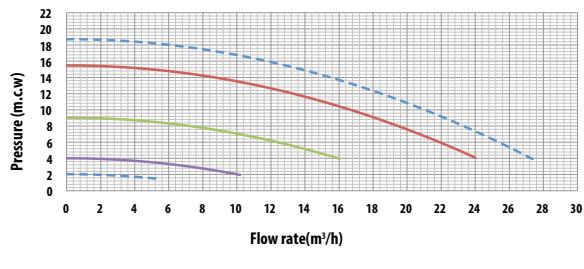
It has a built-in HIM controller with the possibility of mounting it on a wall for better usability.

Bathers experience a greater feeling of well-being due to the reduced noise level.

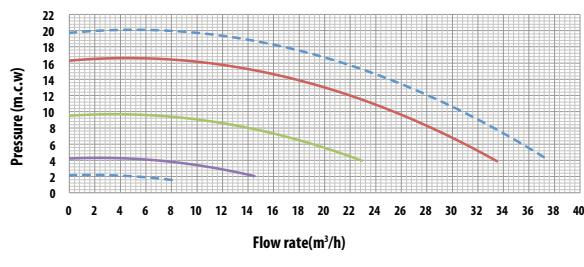
There are digital inputs and outputs for the smooth running of all pool units, such as the salt chlorinator and heat pump. It includes a power factor correction function for reducing current flow. It does not require an external power pack for Fluidra Connect..

Code	Pack. Standard	Weight kg Standard	Volume in m <sup>3</sup> Standard
<b>67547</b>	1	19	0.087
<b>67548</b>	1	22	0.087

**67547**



**67548**



Menu-driven adjustments  
and settings



Intuitive weekly timer  
settings



Pre-set and adjustable  
speeds



Power consumption and  
savings display

#### Technical features:

#### Installation and control:



HMI control system  
on pump



HMI control system  
on wall

	67547			67548		
	LOW	MEDIUM	HIGH	LOW	MEDIUM	HIGH
<b>Speed (rpm)</b>	1400	2100	2750	1400	2100	2750
<b>Voltage (V)</b>	220-240	220-240	220-240	220-240	220-240	220-240
<b>Frequency (Hz)</b>	50/60	50/60	50/60	50/60	50/60	50/60
<b>Power (W)</b>	170	470	1030	258	750	1560
<b>Current (A)</b>	1	2.2	4.5	1.4	3.4	7.1
<b>Flow rate (m<sup>3</sup>/h)</b>	8.2	12.4	16.7	11.1	18.8	25.5
<b>Pressure (m)</b>	2.7	6.1	10	3.2	6.2	10
<b>Efficiency (l/Wh)</b>	48.3	26.4	16.2	43	25	16.3
<b>Max. working pressure (m)</b>	4	9	15.5	4	9.4	16.3
<b>Noise (dB)</b>	45	53	61	51	58	66



## VICTORIA PLUS SILENT



The new generation  
of filtration  
pumps

### SELF-PRIMING PUMPS

#### VICTORIA PLUS SILENT



##### Victoria Plus Silent pump



A self-priming pump with single-phase and three-phase motors of 1/2 to 3 hp. A prefilter is mounted on the body of the pump to prevent foreign bodies from entering it that may damage its hydraulic parts. The motors supplied come with an IP-55 protection rating and have been prepared to withstand hot environments and high levels of humidity. The main characteristics of Victoria Plus Silent are:

- Low noise level: between 61 dB and 70 dB.
- Easy to use: Prefilter cap with 2 levers included (no spanner needed).
- Compatibility: Fully compatible in pools fitted with a Victoria Plus pump.

Larger front bearing for improved axial thrust.

PVC accessories assembly included in pump.



See performance curves on  
page 180

	Code	Pack. Standard	Weight kg Standard	Volume in m <sup>3</sup> Standard
10,000 l/h 0.43 kW (1/2 HP) 230 V II	65557	1	12	0.07
10,000 l/h 0.43 kW (1/2 HP) 230/400 V III	65558	1	12	0.07
11,000 l/h 0.61 kW (3/4 HP) 230 V II	65560	1	13	0.07
11,000 l/h 0.60 kW (3/4 HP) 230/400 V III	65561	1	13	0.07
16,000 l/h 0.78 kW (1 HP) 230 V II	65562	1	14	0.07
16,000 l/h 0.76 kW (1 HP) 230/400 V III	65563	1	14	0.07
21,500 l/h 1.10 kW (1.5 HP) 230 V II	65564	1	14	0.07
21,500 l/h 1.10 kW (1.5 HP) 230/400 V III	65565	1	14	0.07
26,000 l/h 1.46 kW (2 HP) 230 V II	65566	1	17	0.07
26,000 l/h 1.46 kW (2 HP) 230/400 V III	65567	1	17	0.07
34,000 l/h 2.20 kW (3 HP) 230 V II	65569	1	18	0.07
34,000 l/h 2.20 kW (3 HP) 230/400 V III	65570	1	18	0.07

See performance curves on  
next page.

## SELF-PRIMING PUMPS



Sena pump

New generation of pumps. Single-phase motors from 1/3 hp up to 1.25 hp in and three-phase motors from 3/4 hp to 1.25 hp. GS marking, IP-55 protection rating, Class F insulation and AISI-316 stainless steel for all components in direct contact with water. Glue-in pipe connection sleeve 50 mm in diameter.

Flow rates in l/h at 6 mwc for 0.33 hp, 8 mwc for 2 hp and 10 mwc for rest of range. 3,000 rpm.



	Code	Pack. Standard	Weight kg Standard	Volume in m <sup>3</sup> Standard
7,000 l/h, 1/3 HP, 230 V II	25461	1	10.20	0.055
8,500 l/h, 1/2 HP, 230 V II	25462	1	10.20	0.055
9,000 l/h, 3/4 HP, 230 V II	25463	1	11.65	0.055
9,000 l/h, 3/4 HP, 230/400 V III	25464	1	11.40	0.055
11,800 l/h, 1 HP, 230 V II	25465	1	12.75	0.055
11,800 l/h, 1 HP, 230/400 V III	25466	1	13.00	0.055
14,000 l/h, 1.25 HP, 230 V II	25467	1	13.75	0.055
14,000 l/h, 1.25 HP, 230/400 V III	25468	1	13.55	0.055



Colusa pump



New

The Colusa pump delivers highly efficient hydraulic performance. It has been designed to be silent, long-lasting and reliable.

The pumps are self-priming from 1/2 hp to 3 hp and are supplied with 3,000 rpm single-phase and three-phase motors. Silent, the new hydraulic design has an extremely low noise level. A prefilter is mounted on the body of the pump to prevent foreign bodies from entering it that may damage its hydraulic parts. This prefilter has a wing nut and a transparent cover that makes maintenance work easier.

Flow rates in l/h at 8 mwc for 1/2 hp, 10 mwc for 1 and 1.5 hp, 12 mwc for 2 hp and 14 mwc for 3 hp.



	Code	Pack. Standard	Weight kg Standard	Volume in m <sup>3</sup> Standard
10,000 l/h 0.4 kW (1/2 HP) 230 V II	70574	1	13.6	0.079
13,000 l/h 0.5 kW (3/4 HP) 230 V II	70575	1	14.3	0.079
16,000 l/h 0.7 kW (1 HP) 230 V II	70576	1	15.3	0.079
16,000 l/h 0.7 kW (1 HP) 230/400 V III	70577	1	14.3	0.079
21,000 l/h 1.1 kW (1.5 HP) 230 V II	70578	1	18.8	0.079
21,000 l/h 1.1 kW (1.5 HP) 230/400 V III	70579	1	18.1	0.079
23,000 l/h 1.5 kW (2 HP) 230 V II	70580	1	19.6	0.079
23,000 l/h 1.5 kW (2 HP) 230/400 V III	70581	1	19.8	0.079
27,000 l/h 2.2 kW (3 HP) 230 V II	70582	1	23.8	0.079
27,000 l/h 2.2 kW (3 HP) 230/400 V III	70583	1	21.3	0.079



Boise pump



New

The Boise pump is designed to work under a vast range of conditions. Whatever the pool type, it always delivers the required flow rate and pressure.

The Boise pump is built for ease of handling. It has a see-through lid for easy inspection and a large strainer to extend time between cleanings.

The motor materials are rustproof; the motor shaft is made from stainless steel and the sealed bearings never need lubrication. The thermoplastic housing withstands extreme heat and corrosion.

Flow rates in l/h at 6 mwc for 0.33 HP, 8 mwc for 0.5 HP, 10 mwc for 0.75 HP and 12 mwc for rest of range.



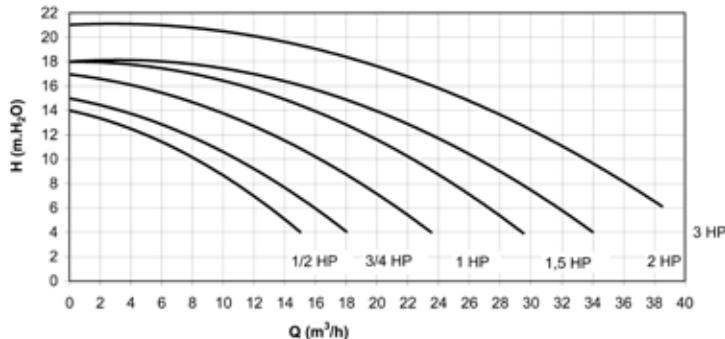
Other options available such as 230 HP and 60 Hz motors and Thai/Australian/British connections

	Code	Pack. Standard	Weight kg Standard	Volume in m <sup>3</sup> Standard
8,500 l/h 0.23 kW (1/3 HP) 230 V II	71671	1	8.8	0.039
10,500 l/h 0.38 kW (1/2 HP) 230 V II	71672	1	9.0	0.039
10,300 l/h 0.52 kW (3/4 HP) 230 V II	71673	1	9.5	0.039
10,500 l/h 0.71 kW (1 HP) 230 V II	71674	1	10.8	0.039
13,900 l/h 0.82 kW (1.25 HP) 230 V II	71675	1	11.8	0.039

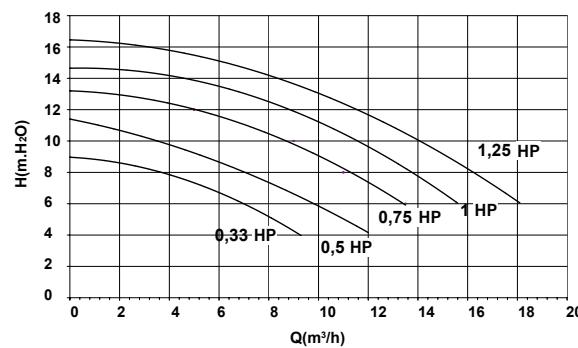
## SELF-PRIMING PUMPS

Self-priming pump performance curves

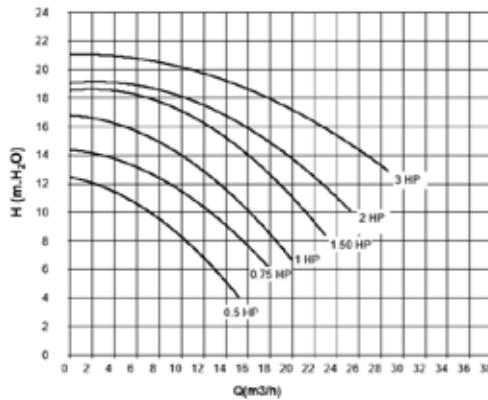
Victoria Plus Silent pump



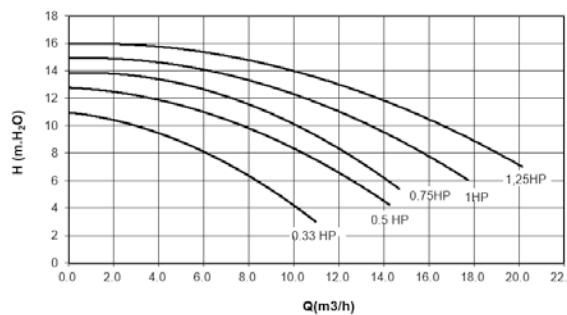
Sena pump



Colusa pump



Boise pump





PDB  
Product Database

Further information in PRODUCTS  
[www.astralpool.com](http://www.astralpool.com)

## CONTROL BOXES



### Control boxes

IP-65 protection. Glass panel with lock and key. All units are compatible with:

- 220/240V 1-phase (P+N+T) 50Hz/60Hz
- 380/415V 3-phase (3P+N+T) 50Hz/60Hz
- 220/230V 3-phase (3P+T) 50Hz/60Hz

24h programming clock with hourly programming. Connection for remote control of pump (on/off,...) and for auxiliary equipment (cold detector, level control...).

All products supplied with:

- Electrical diagram
- Connection diagram
- Instructions for installation
- CE conformity certificate
- Stuffing box at every cable entrance
- Screws and plugs (4) for fixing to wall

The control box model should be selected according to the nominal voltage of the pump:

Type	Intensity range	Power Range 1-phase 230V	Power Range 3-phases 400V	Power Range 3-phases 230V
A	1.6A - 2.5A	1/4 HP	3/4 HP - 1 HP	1/2 HP
B	2.5A - 4A	1/2 HP	1.5 HP - 2 HP	3/4 HP - 1 HP
C	4A - 6.3A	3/4 HP - 1 HP	3 HP*	1.5 HP
D	6A - 10A	1.5 HP	4 HP**	2 HP - 3 HP

\* Also 3.5 hp 400V 3~ in plastic (code 08003)

\*\* Also 4.5 and 5.5 hp 400 V 3~ in plastic (codes 08004, 08005)



### Control box for pump overload protection

Thermal overload protection ( 1.6 to 10A), contactor, 24 hr programming clock, modular switch with 3 positions, Auto / O / Manual.

	Code	Pack. Standard	Weight kg Standard	Volume in m <sup>3</sup> Standard
Type A	<b>25717</b>	1	1.5	-
Type B	<b>25718</b>	1	1.5	-
Type C	<b>25719</b>	1	1.5	-
Type D	<b>25720</b>	1	1.5	-



### Control box for pump overload protection and underwater light

Thermal overload protection ( 1.6 to 10A), contactor, 24 hr programming clock, modular switch with 3 positions: Auto / O / Manual.

	Code	Pack. Standard	Weight kg Standard	Volume in m <sup>3</sup> Standard
Type A	<b>25721</b>	1	1.6	-
Type B	<b>25722</b>	1	1.6	-
Type C	<b>25723</b>	1	1.6	-
Type D	<b>25724</b>	1	1.6	-

Further information in **PRODUCTS**  
[www.astralpool.com](http://www.astralpool.com)

## CONTROL BOXES



## Control box for pumps overload protection and underwater light with differential protection

Thermal overload protection ( 1.6 to 10A), contactor, 24 hr programming clock.

Three positions: Auto/O/manual. Protected 230 V 10 A output and controlled for underwater projectors. Single-phase.

	Code	Pack. Standard	Weight kg Standard	Volume in m <sup>3</sup> Standard
Type A	<b>25725</b>	1	1.9	-
Type B	<b>25726</b>	1	1.9	-
Type C	<b>25727</b>	1	1.9	-
Type D	<b>25728</b>	1	1.9	-



## Control box for pump overload protection and underwater light with differential protection

Thermal overload protection ( 1.6 to 10A), contactor, 24 hr programming clock.

Three positions: Auto/O/manual. Protected 230 V 10 A output and controlled for lights. Three phases. Three-phase.

	Code	Pack. Standard	Weight kg Standard	Volume in m <sup>3</sup> Standard
Type A	<b>25729</b>	1	1.9	-
Type B	<b>25730</b>	1	1.9	-
Type C	<b>25731</b>	1	1.9	-
Type D	<b>25732</b>	1	1.9	-



## Control box for pump overload protection and 1 underwater light

Control box for pump overload protection and 1 underwater light.

Thermal overload protection ( 1.6 to 10A), contactor, 24 hr programming clock.

Three positions: Auto/O/manual. 12 V 315. Protected output for 1 underwater light.

	Code	Pack. Standard	Weight kg Standard	Volume in m <sup>3</sup> Standard
Type A	<b>69916</b>	1	6	-
Type B	<b>69917</b>	1	6	-
Type C	<b>69918</b>	1	6	-
Type D	<b>69919</b>	1	6	-



## Control box for pump overload protection and 2 underwater lights

Thermal overload protection ( 1.6 to 10A), contactor, 24 hr programming clock.

Three positions: Auto/O/manual. 12 V 630. Protected output for 2 underwater lights.

	Code	Pack. Standard	Weight kg Standard	Volume in m <sup>3</sup> Standard
Type A	<b>69920</b>	1	8	-
Type B	<b>69921</b>	1	8	-
Type C	<b>69922</b>	1	8	-
Type D	<b>69923</b>	1	8	-

## CONTROL BOXES



Control box with overload protection for 2 pumps and control for 1 underwater light New

Circuit breaker protection (2 pumps of 1.6 at 10 A), contactor and 24 h timer. Three positions: Auto/O/manual. Protected 230 V 10 A output for lights. Protected 12 V 315 VA output for 1 underwater light.

	Code	Pack. Standard	Weight kg Standard	Volume in m <sup>3</sup> Standard
Type C + Type D	70429	1	7.5	-
Type D + Type D	70422	1	7.5	-



Control box with protection for 2 pumps and control for 2 underwater lights New

Thermal overload protection (1st pump: 4 poles, 10 A max. / 2nd pump: 2 poles, 10 A max.), contactor, 24 hr. programming clock, modular switch "Auto / O / Manual". Transformer 230/12 V -600VA for 2 underwater light of 300W.

	Code	Pack. Standard	Weight kg Standard	Volume in m <sup>3</sup> Standard
Type C + Type D	70423	1	9.5	-
Type D + Type D	70424	1	9.5	-



Control box with protection for 1 pump and control for 3 underwater lights New

Thermal overload protection ( 4 poles, 10 A max.), contactor, 24 hr. programming clock, modular switch "Auto / O / Manual". Transformer 230/12 V -600VA + 300VA for 3 underwater light of 300W.

	Code	Pack. Standard	Weight kg Standard	Volume in m <sup>3</sup> Standard
Type A	70425	1	9.5	-
Type B	70426	1	9.5	-
Type C	70427	1	9.5	-
Type D	70428	1	9.5	-



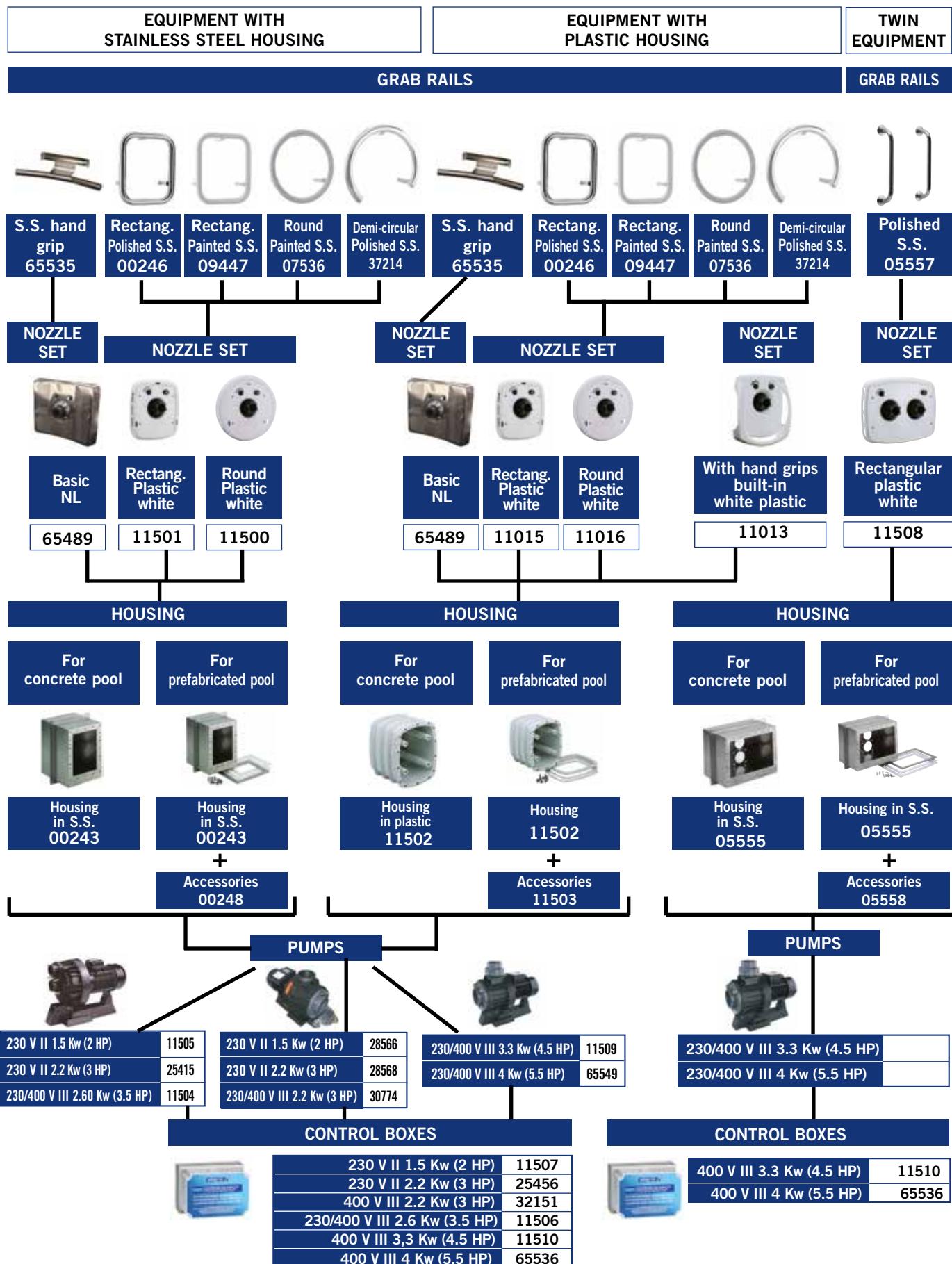
Encapsulated security transformer IP-65 for pool

Manufactured according to the rules UNE-EN 61558 and directive CE.

- IP-65 housing protection degree.
- Transformer Class II. total protection against electric shock.
- Self-extinguishing housing IEC 695-2-1.
- Frequency 50/60 Hz.

	Code	Pack. Standard	Weight kg Standard	Volume in m <sup>3</sup> Standard
130 VA from 220-240V to 12 V	35807	1	3.2	0.02
400 VA to 220-240V to 12-17 V	35385	1	6.8	0.04
800 VA from 220-240V to 12-17 V	35386	1	10.4	0.04

## COUNTERCURRENT SWIMMING EQUIPMENT – SELECTION GUIDE





PDB  
Product Database

Further information in PRODUCTS  
[www.astralpool.com](http://www.astralpool.com)

## COUNTERCURRENT SWIMMING EQUIPMENT



Basic NL countercurrent nozzle set.

Countercurrent nozzle set in a new design with polished AISI-316 stainless steel front cover, interchangeable with nozzle sets 11499 and 11014, multi-directional water-air return nozzle, and suction capacity 60 m<sup>3</sup>/h, and on-off push button. Optional hand grip (code 65535).

Basic NL nozzle set.  
for both stainless steel and plastic housing.

	Code	Pack. Standard	Weight kg Standard	Volume in m <sup>3</sup> Standard
Basic NL nozzle set. for both stainless steel and plastic housing.	65489	1	-	-



Basic ND countercurrent kit

Countercurrent kit made up of:

- Return inlet (air-water) made of AISI-316 stainless steel.
- Illuminated ON-OFF piezoelectric push button made of AISI-316 stainless steel.
- Suction grille with a capacity of 60 m<sup>3</sup>/h made of polished AISI-316 stainless steel.
- 5.5 HP pump.
- Flow rate of 50 m<sup>3</sup>/h.
- Power control cabinet.

Basic ND unit for concrete pools  
Basic ND unit for liner pools

	Code	Pack. Standard	Weight kg Standard	Volume in m <sup>3</sup> Standard
Basic ND unit for concrete pools	65498	1	-	-
Basic ND unit for liner pools	66044	1	-	-



Advance ND countercurrent kit

Countercurrent kit made up of:

- Return inlet (air-water) made of polished AISI-316 stainless steel.
- Illuminated ON-OFF and +/- piezoelectric push button made of AISI-316 stainless steel.
- Suction grille with a capacity of 60 m<sup>3</sup>/h made of polished AISI-316 stainless steel.
- 5.5 HP pump.
- Flow rate adjustable from 23 m<sup>3</sup>/h to 50 m<sup>3</sup>/h thanks to a variable-speed drive.
- Power control cabinet.

Advance ND unit for concrete pools  
Advance ND unit for liner pools

	Code	Pack. Standard	Weight kg Standard	Volume in m <sup>3</sup> Standard
Advance ND unit for concrete pools	65497	1	-	-
Advance ND unit for liner pools	66043	1	-	-



Nozzle assemblies with round front plate in white plastic

Made up of: Front plate, nozzle assembly, on-off and air regulation remote control.  
Components in AISI-316 stainless steel.

For stainless steel housing

	Code	Pack. Standard	Weight kg Standard	Volume in m <sup>3</sup> Standard
For stainless steel housing	11500	1	5.0	0.045
For plastic housing	11016	1	4.4	0.056

For plastic housing



Nozzle assemblies with rectangular front plate in white plastic

Made up of: Front plate, nozzle assembly, on-off and air regulation remote control.  
Components in AISI-316 stainless steel.

For stainless steel housing

	Code	Pack. Standard	Weight kg Standard	Volume in m <sup>3</sup> Standard
For stainless steel housing	11501	1	5.0	0.045
For plastic housing	11015	1	3.9	0.039

For plastic housing

For all products on this page



Complies with Standard  
EN 13451-1-3



Complies with standards  
EN 16582-1  
EN 16713-2



PDB  
Product Database

Further information in PRODUCTS  
[www.astralpool.com](http://www.astralpool.com)

## COUNTERCURRENT SWIMMING EQUIPMENT



Nozzle assemblies with rectangular front plate in white plastic and built-in hand grip



Made up of: Front plate, nozzle assembly, on-off and air regulation remote control.

For plastic housing

Code	Pack. Standard	Weight kg Standard	Volume in m <sup>3</sup> Standard
<b>11013</b>	1	4.2	0.039



Front suction countercurrent unit hand grip



Handrail made of AISI-316 stainless steel for assembly with new Basic NL nozzle set (code 65489).

Code	Pack. Standard	Weight kg Standard	Volume in m <sup>3</sup> Standard
<b>65535</b>	1	-	-



Rectangular hand grips in painted AISI-316 S.S.



Specially designed for 11015 & 11501 nozzles. Nevertheless can be mounted on any of the other nozzle sets except for the 11013.

Code	Pack. Standard	Weight kg Standard	Volume in m <sup>3</sup> Standard
<b>09447</b>	1	1.4	0.013



Rectangular hand grips in polished AISI-316 S.S.



Specially designed for 11014 and 11499 nozzles. Nevertheless can be mounted on any of the other nozzle sets except for the 11013.

Code	Pack. Standard	Weight kg Standard	Volume in m <sup>3</sup> Standard
<b>00246</b>	1	1.48	0.01



Round Hand grips in painted AISI-316 S.S.



Specially designed for 11016 & 11500 nozzles. Nevertheless can be mounted on any of the other nozzle sets except for the 11013.

Code	Pack. Standard	Weight kg Standard	Volume in m <sup>3</sup> Standard
<b>07536</b>	1	1.6	0.02



Semicircular grab rail in polished AISI-316 S.S.



AISI-316 polished stainless steel. Specially indicated for Marlin counter current swimming kit models; Marlin 30 II, Marlin 30 III and Marlin 45 III, although it may be mounted on any of the inlet sets, except for model 11013.

Code	Pack. Standard	Weight kg Standard	Volume in m <sup>3</sup> Standard
<b>37214</b>	1	1.62	0.018

For all products on this page



Complies with Standard  
**EN 13451-1-3**



Complies with standards  
**EN 16582-1**  
**EN 16713-2**

## COUNTERCURRENT SWIMMING EQUIPMENT



### S.S. Housing

In Stainless Steel AISI-316. 240 mm in depth. Suitable for both, concrete and prefabricated pools. Supplied with sealing elements and 3 m cable conduit.

Code	Pack. Standard	Weight kg Standard	Volume in m <sup>3</sup> Standard
00243	1	7.79	0.04



### Accessory for fitting in liner and fibreglass pools

In AISI-316 stainless steel, with seals and screws.

Code	Pack. Standard	Weight kg Standard	Volume in m <sup>3</sup> Standard
00248	1	0.85	0.002



### S.S. Housing

Made in unalterable plastic. Supplied with sealing elements and two conduits of 3 m each.

Code	Pack. Standard	Weight kg Standard	Volume in m <sup>3</sup> Standard
11502	1	5.0	0.036



### Accessory for fitting in liner and fibreglass pools

In plastic, with seals and screws.

Code	Pack. Standard	Weight kg Standard	Volume in m <sup>3</sup> Standard
11503	1	0.6	0.003



### Massage hose

To be fitted on to the discharge nozzle. Length: 1.5 m.

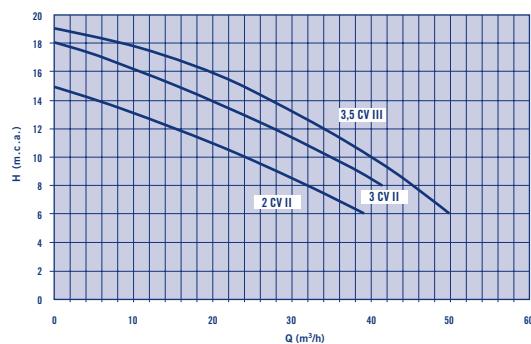
Code	Pack. Standard	Weight kg Standard	Volume in m <sup>3</sup> Standard
00247	1	1.22	0.01



### Pumps

Made of plastic. Double insulation motor shaft. IP-54 motor protection.

Code	Pack. Standard	Weight kg Standard	Volume in m <sup>3</sup> Standard
11505	1	27	0.098
25415	1	29	0.098
11504	1	30.5	0.098





Further information in **PRODUCTS**  
www.astralpool.com

## COUNTERCURRENT SWIMMING EQUIPMENT

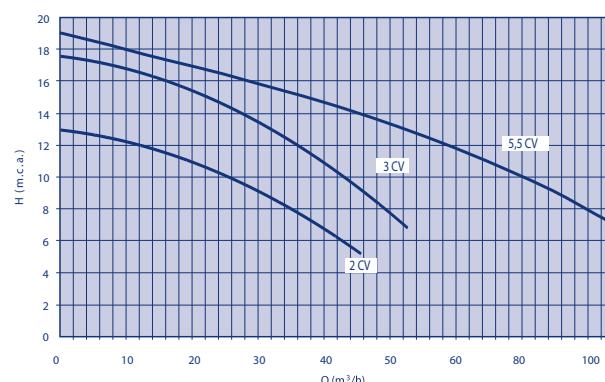


### CCIV vertical drive pumps



Specially designed for countercurrent equipment with high performance output with larger diameter of discharge and suction. It is important not to add any special features to the installation as they may limit the performance significantly. All the pumps metal components in contact with water are manufactured in AISI-316 Stainless Steel, highly resistant to corrosion.

	Code	Pack. Standard	Weight kg Standard	Volume in m <sup>3</sup> Standard
Power 1.5 Kw 2 hp Monoph., 230 V 50 Hz	<b>28566</b>	1	21.0	0.095
Power 2.2 Kw 3 hp Monoph., 230 V 50 Hz	<b>28568</b>	1	22.6	0.095
Power 2.2 Kw 3 hp Three-ph. 230/240 V 50 Hz	<b>30774</b>	1	22.5	0.095
Power 4 Kw 5 hp Three-ph. 230/240 V 50 Hz	<b>65549</b>	1	-	-



### Control boxes



Electro-pneumatic box. Pumps are operated through the nozzle faceplate buttons.

	Code	Pack. Standard	Weight kg Standard	Volume in m <sup>3</sup> Standard
For 230 V II 1.5 kW (2 HP) pumps	<b>11507</b>	1	1.2	0.004
For 230 V II 2.2 kW (3 HP) pumps	<b>25456</b>	1	1.2	0.004
For 400 V III 2.2 Kw (3 HP) pumps	<b>32151</b>	1	1.2	0.004
For 230/400 V III 2.6 kW (3.5 HP) pumps	<b>11506</b>	1	1.2	0.004
For 400 V III 4 kW (5.5 HP) pumps	<b>65536</b>	1	-	-



### Nozzle assemblies with rectangular front plate in white plastic



Composed of: Faceplate, nozzle, On/OFF switch and air regulation knob. Components in AISI-316 Stainless Steel.

	Code	Pack. Standard	Weight kg Standard	Volume in m <sup>3</sup> Standard
	<b>11508</b>	1	7.0	0.065



Complies with Standard  
**EN 13451-1-3**



Complies with standards  
**EN 16582-1**  
**EN 16713-2**



### Grab rails



In AISI-316 Stainless Steel. (2 units).

	Code	Pack. Standard	Weight kg Standard	Volume in m <sup>3</sup> Standard
	<b>05557</b>	1	1.9	0.01



Complies with Standard  
**EN 13451-1-3**



Complies with standards  
**EN 16582-1**  
**EN 16713-2**

## COUNTERCURRENT SWIMMING EQUIPMENT



### Twin Housing

In Stainless Steel AISI-316. 240 mm in depth. Suitable for both, concrete and prefabricated pools. Supplied with sealing elements and 3 m cable conduit.

Code	Pack. Standard	Weight kg Standard	Volume in m <sup>3</sup> Standard
<b>05555</b>	1	11.4	0.06



### Accessory for mounting in prefabricated and liner pools

In AISI-316 Stainless Steel. With gaskets and screws.

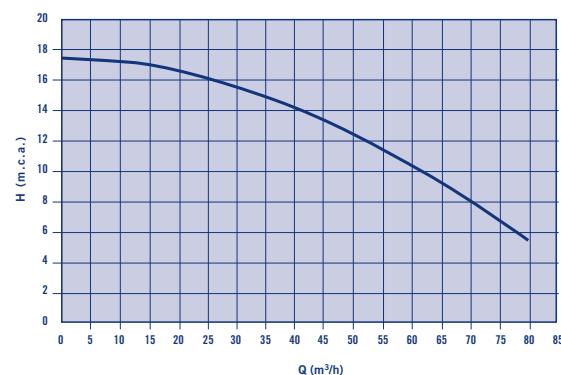
Code	Pack. Standard	Weight kg Standard	Volume in m <sup>3</sup> Standard
<b>05558</b>	1	1.35	0.01



### Pumps

Made of plastic. Double insulation motor shaft. IP-54 motor protection

Code	Pack. Standard	Weight kg Standard	Volume in m <sup>3</sup> Standard
<b>11509</b>	1	32.5	0.098



### Control boxes

Electro-pneumatic box. Pumps are operated through the nozzle faceplate buttons.

Code	Pack. Standard	Weight kg Standard	Volume in m <sup>3</sup> Standard
<b>11510</b>	1	1.2	0.004

For 400 V III 3.3 Kw (4.5 HP) pumps





Complies with Standard  
EN 13451-1-3



Complies with standards  
EN 16582-1  
EN 16713-2

## COUNTERCURRENT SWIMMING EQUIPMENT



### Countercurrent swimming equipment Marlin XS

New set nozzle Mini Eco counter current unit. Highly competitive in its hydraulic performance. It can be installed in both concrete and prefabricated pools. Manufactured in white plastic parts. Consists of front panel nozzle set, stop/start push button and housing. Supplied with installation kit. Does not include pump or control box.



	Code	Pack. Standard	Weight kg Standard	Volume in m <sup>3</sup> Standard
Marlin XS	45618	1	1.553	0.015

**Marlin:** inexpensive countercurrent swimming unit. The innovative design and concept supplied as a kit (including face plate, housing, control box and pump) makes it a feature that will add significant value to your pool. A highly competitive product thanks to its high performance hydraulic features, the Marlin countercurrent system is available in 3 models: the Marlin 30 II, the Marlin 30 III and the Marlin 45 III. Grab rails and hydromassage hose may be added as optional features.



### Marlin 30 II (single-phase)

Consists of: Nozzle faceplate, plastic housing, control box and pump 2.2 kW (3 HP) 230 V II 50 Hz.

	Code	Pack. Standard	Weight kg Standard	Volume in m <sup>3</sup> Standard
	35375	1	37.4	0.260

### Marlin 30 III (three-phase)

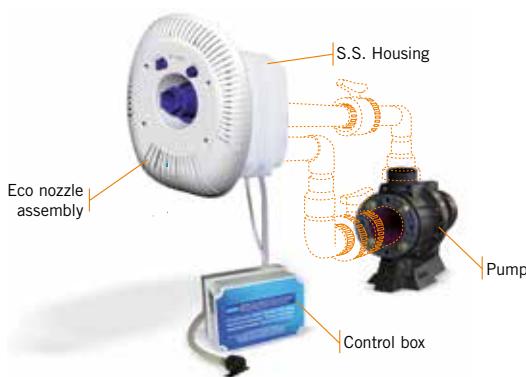
Consists of: Nozzle faceplate, plastic housing, control box and pump 2.2 kW (3 HP) 400 V III 50 Hz.

	Code	Pack. Standard	Weight kg Standard	Volume in m <sup>3</sup> Standard
	35376	1	37.4	0.260

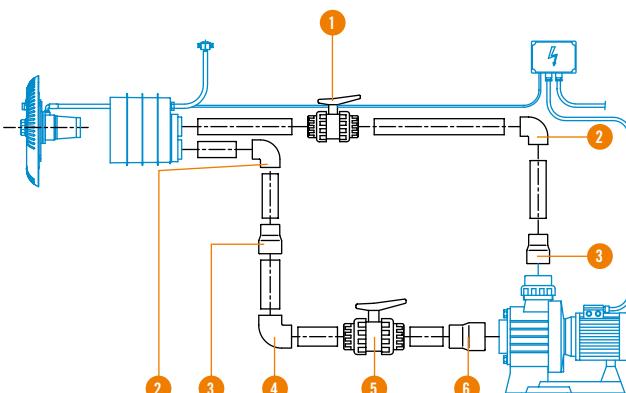
### Marlin 45 III (three-phase)

Consists of: Nozzle faceplate, plastic housing, control box and pump 3.3 kW (4.5 HP) 400 V III 50 Hz.

	Code	Pack. Standard	Weight kg Standard	Volume in m <sup>3</sup> Standard
	35377	1	42.2	0.260



Part 11503 required for liner pools.



### Accessories (not included in the kit)

Position	Quantity	Denomination	Code
1	1	PVC Ball valve Ø63 mm	02458
2	2	PVC elbow 90° Ø63 mm	01717
3	2	Conical reduction Ø90-75x63 mm	01993
4	1	PVC elbow 90° Ø75 mm	01718
5	1	PVC Ball valve Ø75 mm	02459
6	1	Conical reduction Ø110-90x75 mm	01997
-	-	PVC pipe Ø 63 mm PN-6	02692
-	-	PVC pipe Ø75 mm PN-6	02693



PDB  
Product Database

Further information in PRODUCTS  
[www.astralpool.com](http://www.astralpool.com)

## BLOWER PUMPS



### Air pump



Air pump designed for spas, baths, hydromassage installations and similar which produces a constant stream of air bubbles at medium and high air volume levels. It can also be used to stir up the filter bed, for example in back wash cycles where a low intensity air current is required.

The filter casing and impeller are made from an injected aluminium alloy whilst the motor spindle is manufactured from stainless steel, with the impeller dynamically balanced and directly adapted to the spindle. The motors, single phase or 3 phase for continuous use, are made from steel in compliance with CEI 2/3 1988 regulations, and feature IP54 external protection and class-F insulation. The standard voltages are 100-120/200-240V for the monophase range and 200-240/380-440V for the triphase models, at 50/60Hz. The pumps can be mounted horizontally or vertically. Moreover, since there is no contact between the mobile parts and the pump static discharges, neither lubrication nor maintenance is necessary and it does not cause wear on the parts.

The turbines have a maximum working temperature of 40°C. Do not use in conjunction with aggressive, inflammable or explosive gases.

Model	Code	Frequency (Hz)	Voltage (V)	Phase	Flow rate (m³/h)	Max. Pressure (mbar)	Standard Weight kg	Standard Volume m³
Blower 0.4 kW	33970-2450	50	Δ 200-240 Y 345-415	3	80	130	10	0.045
Blower 0.5 kW		60	Δ 220-275 Y 380-480	3	98	170		
Blower 0.85 kW	35388-2450	50	200-240	1	145	160	17	0.059
Blower 0.95 kW		60	200-240	1	175	160		
Blower 0.85 kW	35387-2450	50	Δ 200-240 Y 345-415	3	145	160	16	0.045
Blower 0.95 kW		60	Δ 220-275 Y 380-480	3	175	160		
Blower 1.3 kW	31090-2450	50	200-240	1	210	170	23	0.059
Blower 1.5 kW		60	200-240	1	255	140		
Blower 1.3 kW	31091-2450	50	Δ 200-240 Y 345-415	3	210	170	22	0.059
Blower 1.5 kW		60	Δ 220-275 Y 380-480	3	255	140		
Blower 1.5 kW	33971-2450	50	200-240	1	210	220	24	0.064
Blower 1.75 kW		60	200-240	1	255	220		
Blower 1.6 kW	31092-2450	50	Δ 200-240 Y 345-415	3	210	220	23	0.064
Blower 2.1 kW		60	Δ 220-275 Y 380-480	3	255	220		
Blower 1.6 kW 2V	35389-2450	50	Δ 200-240 Y 345-415	3	150	300	25	0.087
Blower 2.06 kW 2V		60	Δ 220-275 Y 380-480	3	180	310		
Blower 2.2 kW	31093-2450	50	Δ 200-240 Y 345-415	3	318	230	30	0.097
Blower 2.55 kW		60	Δ 220-275 Y 380-480	3	376	220		
Blower 3.0 kW 2V	31094-2450	50	Δ 200-240 Y 345-415	3	230	410	40	0.126
Blower 3.45 kW 2V		60	Δ 220-275 Y 380-480	3	275	400		
Blower 3.0 kW	31095-2450	50	Δ 200-240 Y 345-415	3	318	280	36	0.097
Blower 3.45 kW		60	Δ 220-275 Y 380-480	3	376	280		
Blower 4.3 kW 2V	31096-2450	50	Δ 345-415 Y 600-720	3	520	600	54	0.217
Blower 4.8 kW 2V		60	Δ 380-480 Y 660-720	3	385	320		
Blower 5.5 kW	31097-2450	50	Δ 345-415 Y 600-720	3	530	320	63	0.16
Blower 6.3 kW		60	Δ 380-480 Y 660-720	3	620	340		
Blower 5.5 kW 2V	33972-2450	50	Δ 345-415 Y 600-720	3	320	515	66	0.201
Blower 6.3 kW 2V		60	Δ 380-480 Y 660-720	3	385	530		
Blower 7.5 kW	31098-2450	50	Δ 345-415 Y 600-720	3	530	400	66	0.16
Blower 8.6 kW		60	Δ 380-480 Y 660-720	3	620	400		
Blower 11 kW 2V	33973-2450	50	Δ 345-415 Y 600-720	3	520	600	104	0.353
Blower 12.6 kW 2V		60	Δ 380-480 Y 660-720	3	620	600		
Blower 12.5 kW	33974-2450	50	Δ 345-415 Y 600-720	3	1050	270	116	0.353
Blower 14.5 kW		60	Δ 380-480 Y 660-720	3	1250	260		



## WATER TREATMENT PRODUCTS

- 195 • Regulators
- 196 • Disinfectants with chlorine
- 197 • Multi-action disinfectants with chlorine
- 199 • Bromine disinfectants
- 199 • Algicides
- 200 • Concentrated algicides
- 201 • Multi-purpose pods
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- 208 • Blue Connect range
- 211 • Testers
- 216 • Pocket gauges
- 216 • Test kits and photometers

## AstralPool presents its new labelling for chemical products

- Image overhaul
- Icon displays
- Differentiation by colour

An easy and convenient way of identifying ourselves.

### Label



### Icon description

#### Type of product

Regulador	Desinfectante	Limpador
Regulador	Desinfectante	Complemento
Regulador	Algicida	Invernador
Desinfectante	Floculante	
Mutiacción		

### Product families by colour

#### Packaging Presentation

#### Use

Polvo	Cartucho	Piscina	Filtro arena
Granulado	Bloque	Piscina de liner	Piscina cubierta
Tableta	NaCl	Electrolysis salt	Filtro diatomaeas y cartucho
Líquido	Spa		
Gel	Piscina PE y fibra		



- Disinfection
- Multi-action



- Regulators



- Algaecides



- Cleaning
- Flocculants
- Accessories

For minimum amounts,  
ask your dealer

## REGULATORS



### Solid pH Minor

Solid pH reducer. For adjusting the pH to between 7.2 and 7.6.



Packaging	Code	Pack. Standard	Kg/l/pallet
Square packaging	1.5 kg	11384	20
Square packaging	8 kg	11385	4
Square packaging	16 kg	16540	2
	40 kg	11974	1



### Solid pH Plus

Solid pH enhancer. For adjusting the pH to between 7.2 and 7.6.



Packaging	Code	Pack. Standard	Kg/l/pallet
Square packaging	1 kg	16538	20
Square packaging	6 kg	11386	4
Square packaging	12 kg	16539	2
	35 kg	15975	1



### Liquid pH Minor

Liquid pH reducer. Ideal for dosing with a pump.



Packaging	Code	Pack. Standard	Kg/l/pallet
10 l	43290	1	600
25 l	16541	1	600



### Liquid pH Plus

Liquid pH enhancer. Ideal for dosing with a pump.



Packaging	Code	Pack. Standard	Kg/l/pallet
25 l	16542	1	600



### Alkalinity enhancer

Powder for increasing water alkalinity when it falls below 125 ppm.



Packaging	Code	Pack. Standard	Kg/l/pallet
Square packaging	6 kg	15976	4
	40 kg	19933	1

For minimum amounts,  
ask your dealer

## DISINFECTANTS WITH CHLORINE

**Non-combustible chlorine.** Non-combustible, multi-action trichloride tablets and blocks are also available. Non-combustible products are less dangerous, according to current laws, in comparison with combustible chlorinated products and, therefore, have the advantage of being able to be stored anywhere, pursuant to Royal Decree 379/2001 and the Seveso II Directive.



### 55% dichloride granules

Dichloride granules with 55% free available chlorine.



Packaging	Code	Pack. Standard	Kg/l/pallet
Square packaging	1 kg	11393	20
Square packaging	5 kg	11394	4
Square packaging	10 kg	16478	2
	30 kg	11395	1
	50 kg	11396	1



### Trichloride powder

Trichloride powder with 90% free available chlorine.



Packaging	Code	Pack. Standard	Kg/l/pallet
Square packaging	1 kg	11400	20
Square packaging	5 kg	11401	4
Square packaging	12 kg	19706	2
	30 kg	11402	1
	50 kg	11403	1



### Trichloride granules

Trichloride granules with 90% free available chlorine.



Packaging	Code	Pack. Standard	Kg/l/pallet
Square packaging	1 kg	11404	20
Square packaging	5 kg	11405	4
Square packaging	12 kg	16548	2
	30 kg	11406	1
	50 kg	11407	1



### Fast-dissolving chlorine tablets

Trichloride 20-g tablets with 50% free available chlorine.



Packaging	Code	Pack. Standard	Kg/l/pallet
Square packaging	1 kg	11397	20
Square packaging	5 kg	11398	4
Square packaging	10 kg	16547	2
	25 kg	11399	1



For minimum amounts,  
ask your dealer

## DISINFECTANTS WITH CHLORINE



### 250-g trichloride blocks

Slow-dissolving 250-g trichloride blocks with 90% free available chlorine.

Packaging	Code	Pack. Standard	Kg/l/pallet
Square packaging	34433	18	540
Square packaging	34434	4	720
Square packaging	34435	2	720
25 Kg	34436	1	450
50 Kg	34437	1	600

### Trichlorine block 500

Slow-dissolving 500-g trichloride block, in individual film wrappers, with 90% free available chlorine.



Packaging	Code	Pack. Standard	Units/pallet
Trichlorine block 500	25315	12	720

## MULTI-ACTION DISINFECTANTS WITH CHLORINE



### Action 10

New 250-g multipurpose tablets that perform the functions of the following 10 products: disinfectant, algicide, bactericide, algaestat, virucide, fungicide, flocculant-coagulant, pH reducer, stabiliser and descaler.

Packaging	Code	Pack. Standard	Kg/l/pallet
Square packaging	25325	4	720



### Multi-action block

Slow-dissolving, 500-g blocks that act as an algicide, bactericide and flocculant. In individual film wrappers.

Packaging	Code	Pack. Standard	Kg/l/pallet
5 kg	25316	4	480
25 kg	25355	1	450



### Astral Duralong

All-in-one bactericide, algicide and flocculant for pool water treatment. Floating dispenser included

Packaging	Code	Pack. Standard	Units/pallet
1.75 kg	69871	8	128

For minimum amounts,  
ask your dealer

## MULTI-ACTION DISINFECTANTS WITH CHLORINE



### Multi-action granules

Granules that act as a bactericide, algicide and flocculant.

Packaging	Code	Pack. Standard	Kg/l/pallet
1 kg	<b>15983</b>	20	400
5 kg	<b>15984</b>	4	480
30 kg	<b>15985</b>	1	540



### Multi-action tablet 250



Slow-dissolving, 250-g tablet that acts as an algicide, bactericide and flocculant.



### Special multi-purpose tablet for hard water

Solid compound in tablet form, specially formulated so that a single dose will remove bacteria, viruses and microorganisms from pool water, which prevents algae from growing, limescale from forming and keeps the water crystal clear.

Packaging	Code	Pack. Standard	Kg/l/pallet
1 kg	<b>40935</b>	12	576
5 kg	<b>40936</b>	4	720
10 kg	<b>40937</b>	2	300
25 kg	<b>40938</b>	1	450

## BROMINE DISINFECTANTS



## Bromine tablets

Slow-dissolving 20-g bromine tablets for the continuous disinfection of pools and spas. Does not smell of chlorine. High tolerance to pH levels. Powerful disinfectant and oxidising agent.

Packaging	Code	Pack. Standard	Kg/l/pallet
5 kg	<b>16550</b>	4	400
20 kg	<b>28740</b>	1	540

## ALGICIDES



## Algicides

Prevents the formation of algae in pools.

Packaging	Code	Pack. Standard	Kg/l/pallet
25 l	<b>11418</b>	1	600



## Algicide with brightener

A powerful bactericide, algicide and fungicide.

Packaging	Code	Pack. Standard	Kg/l/pallet
1 l	<b>11413</b>	12	480
5 l	<b>11414</b>	4	640
25 l	<b>11415</b>	1	600



## Algicide Extra

Highly efficient non-foaming algicide that also acts as a flocculant.

Packaging	Code	Pack. Standard	Kg/l/pallet
5 l	<b>24616</b>	4	640
25 l	<b>11424</b>	1	600



For minimum amounts, ask your dealer



**Instantly removes what algae feed on.**

**Concentrated product: lasts for 13 weeks\***

\* 80 ml a week for a 50 m<sup>3</sup> pool.



**64291**

## CONCENTRATED ALGICIDES

### PhosFree

Concentrated product that prevents the formation of algae as a result of chemicals, garden fertilisers and other contaminating agents. It removes the phosphates on which algae feed, thus inhibiting their growth.

Suitable for use in all types of pools, filters and disinfection treatment systems.

- Is easy to use.
- Improves the performance of salt chlorinators.

#### Recommended use:

The concentration of phosphates should be kept below 125 ppb (parts per billion) to prevent the formation of algae.

Initial treatment for high phosphate levels:

1. Ensure the filter is clean and that the system is working properly.
2. Pour the required concentration of PhosFree in a container with water and spread the solution evenly across the surface of the pool.
3. Keep the filtration system running for at least 24 hours following application.
4. Test the phosphate level of your pool using a phosphate test kit 48 hours later. If necessary, repeat the treatment.

Packaging	Code	Pack. Standard	Kg/l/pallet
PhosFree	1 l	<b>65957</b>	12
Phosphate test strips	25 strips	<b>64291</b>	12

### For a 50 m<sup>3</sup> pool

Phosphate level of the pool	250 ppb	500 ppb	1000 ppb	1500 ppb
Phosfree ml	150	300	600	900



### Algicide Power

A fast-acting compound formulated from surfactants that displays great properties as an algicide and fungicide, which therefore prevents the formation and growth of algae in pool water.

#### Prevention is better than cure:

Concentrated maintenance product that keeps pools free of all types of algae thanks to its powerful properties.

The revolutionary dosing cap will enable you to add exactly the amount of the product you need, thus helping you to make savings and use it more efficiently.

**More power in each drop!**

**Concentrated product: 25 weeks (1 l)**

Packaging	Code	Pack. Standard	Kg/l/pallet
1 l	<b>63124</b>	12	480

For minimum amounts, ask your dealer

## CONCENTRATED ALGICIDES



### Algaecide Extra Power

An extra strong, fast-acting algicide with micro-flocculant properties that makes it better able to prevent the appearance of algae that live suspended in the water. **Non-foaming.**

Concentrated maintenance product that keeps pools free of all types of algae thanks to its powerful properties.

The revolutionary dosing cap will enable you to add exactly the amount of the product you need, thus helping you to make savings and use it more efficiently.

**Non-foaming.**  
Concentrated product:  
20 weeks (1 l)

Packaging	Code	Pack. Standard	Kg/l/pallet
-----------	------	-------------------	-------------

1 l      **63126**      12      480

## MULTI-PURPOSE PODS



### CTX CarePods

A multipurpose product that prevents three common problems:

- Cloudiness in the water.
- Growth of algae.
- Formation of foam.

The most convenient and cleanest maintenance treatment. It has countless advantages because apart from working immediately, the water-soluble wrapper dissolves in just a few minutes and its long-term effects mean that you can forget about maintenance for longer.

Its effects last even if the water temperature rises or if there are changes in pH levels.

For all pool types treated using salt chlorination.

Each pack contains 4 CarePods that come in a water-soluble film. CarePods have been specially designed to take the place of your usual water clarifier, phosphate remover, and treatments for removing oils and lotions. It is recommended that one CarePod be placed in the skimmer basket once a week in the case of a 50 m<sup>3</sup> pool.

Revolutionary water care.  
Single doses in  
water-soluble film.  
Concentrated product:  
lasts for 4 weeks

Packaging	Code	Pack. Standard	Units/pallet
-----------	------	-------------------	--------------

Pack 4 CarePods      4x28 g      **63106**      8 packs      960

For minimum amounts, ask your dealer

## FLOCCULANTS



The natural way to make water clean and transparent.

Concentrated product:  
25 weeks (1 l)

\* 40 ml a week for a 50 m<sup>3</sup> pool.

### Natural Clarifier

This natural clarifier made from chitosan (crustacean shells) is the most effective weekly treatment for preventing the formation of foam and cloudiness in pool water. It removes all traces of body oils and lotions, as well as excess metal precipitates.

Suitable for use in all types of pools and filters.

- Keeps water crystal clear, which helps the filter collect dirt.
- Removes excess metal precipitates.
- Helps make cleaning filters quicker and easier.
- Improves the performance of salt chlorinators.

#### Recommended use:

To keep your pool water crystal clear, treat it with the recommended dose of Natural Clarifier once a week. For home pools that are used a lot or for public pools, treat the pool water with twice or three times the recommended dose.

Packaging	Code	Pack. Standard	Units/pallet
1 l	<b>65956</b>	12	480



### CrystalBlock – Single dose gel flocculant

The easiest way to enjoy crystal clear water. No handling or complicated dosing systems required. It has never been easier to enjoy crystal clear water. Ideal for all pool types, except ones with cartridge or diatomaceous earth filters.

The single dose gel blocks will enable you to add the exact amount of the product with next to no effort. CrystalBlock collects colloidal particles and algae spores so that they are filtered better.

- Increases filter efficiency.
- Helps keep your pool water crystal clear.
- Improves the efficiency of disinfectants.

Packaging	Code	Pack. Standard	Units/pallet
36 UN	<b>67558</b>	72	10.800



### Liquid flocculant



Clarifies water by eliminating the colloidal particles that cause cloudiness in water.

Packaging	Code	Pack. Standard	Kg/l/pallet
1 l	<b>11387</b>	12	480
5 l	<b>11388</b>	4	640
25 l	<b>11389</b>	1	600



### Solid flocculant

Long-lasting improvement of water transparency through permanent flocculation.

Packaging	Code	Pack. Standard	kg/pallet	
1 kg of product in 8 bags (8 bags of 125 g each)	1 kg (8 x 125 g)	<b>11390</b>	14	490

For minimum amounts, ask your dealer



## FLOCCULANTS

### Dual effect clarifier in cartridges

Smart product: it combines quick flocculation with continued clarification. Results: better disinfection and crystalline water.

Packaging	Code	Pack. Standard	kg/pallet
1 kg	18725	12	504



### Claritab Plus

**NEW FORMULA.** Super concentrated dual action coagulant and flocculant tablets, specially formulated to obtain the best performance from sand filters. The slow dissolving and controlled action completely removes suspended particles in the water (metal ions, organic matter, etc.). Savings are made as fewer disinfectants are used.

Packaging	Code	Pack. Standard	Units/pallet
Blister pack with 2 tubes of 5 tablets of 20 g each	200 g (2x5x20 g)	25324	24

## CLEANERS



### Extra descaler



Extra strong descaler. Acid.

Packaging	Code	Pack. Standard	Kg/l/pallet
5 l	11391	4	640
25 l	11392	1	600



### Specially formulated descaler for polyester and fibreglass pools.



It combats limescale and grease without damaging pool lining.

Packaging	Code	Pack. Standard	Kg/l/pallet
5 l	16558	4	640



### Non-foaming water line degreaser



A specially formulated compound for removing scum and dirt from pool edges and walls, and areas around them that may require cleaning.

Packaging	Code	Pack. Standard	Kg/l/pallet
1 l	11425	12	480
5 l	11426	4	640
25 l	11427	1	600

For minimum amounts, ask your dealer

## CLEANERS



### Gelamin

Gel descaler for pool walls and floors. Highly effective. Easy to use.

Packaging	Code	Pack. Standard	Kg/l/pallet
5 l	<b>15987</b>	4	640



### Gel descaler specially formulated for the water line.

Powerful liquid descaler with degreasing properties for cleaning the water line.

Packaging	Code	Pack. Standard	Kg/l/pallet
1 l	<b>40931</b>	12	480
5 l	<b>40932</b>	4	640
25 l	<b>40934</b>	1	600



### Liquid Filnet



Liquid descaler specially designed for cleaning the inside of sand filters in public pools.

Packaging	Code	Pack. Standard	Kg/l/pallet
5 l	<b>16498</b>	4	640
25 l	<b>16499</b>	1	600



### Solid Filnet

A solid descaler for cleaning the inside of sand filters.

Packaging	Code	Pack. Standard	Kg/l/pallet
1 kg	<b>15988</b>	18	540



### Stainless steel cleaner-polish

Stainless steel cleaner-polish. It removes stains and degreases all types of stainless steel surfaces.

Packaging	Code	Pack. Standard	Kg/l/pallet
1 l	<b>18713</b>	12	480
5 l	<b>16630</b>	4	640

For minimum amounts, ask your dealer

## WINTERISING PRODUCTS



### Winteriser



Prevents the proliferation of algae and bacteria in the water. Prevents water from going stagnant and the build-up of limescale. Takes the strain out of spring cleaning. Non-foaming.

Packaging	Code	Pack. Standard	Kg/l/pallet
5 l	<b>11430</b>	4	640



### Copper-free Power Winteriser

Concentrated winteriser specially formulated for liner and polyester pools that will enable you to keep your pool water in top condition during winter as it prevents the formation of algae and bacteria. Saves water as it can be used from one season to the next.

The revolutionary dosing cap will enable you to add exactly the amount of the product you need, thus helping you to make savings and use it more efficiently.

At the end of the bathing season before ending regular maintenance treatment, a super-chlorination should be performed using dichlor granules.

It is advisable to repeat the process halfway through the winter season.

More power in each drop!

Concentrated product:

0,5 L / 40 - 50 m<sup>3</sup>

Packaging	Code	Pack. Standard	Kg/l/pallet
1 l	<b>63165</b>	12	480



### Inverlong

Full treatment for pools in winter. Prevents the water from going stagnant and the proliferation of algae. Keeps the water crystal clear. Acts as a bactericide, algicide and flocculant. Comes with a floating dispenser.

Packaging	Code	Pack. Standard	Units/pallet
1.75 kg	<b>69872</b>	8	128

For minimum amounts,  
ask your dealer

## ACCESSORIES



### Solar Bubble

Solar Bubble keeps heat loss to a minimum by forming a fine invisible layer on the surface of the pool water to reduce evaporation.

A Solar Bubble tablet can treat 45 m<sup>3</sup> a month and is compatible with all types of pool disinfectants.

- Reduces heat loss caused by evaporation.
- Helps keep the water in a good state of repair if a cover is not used.
- Place it in the skimmer for best results.
- Safe for all types of pools and disinfection systems

	Packaging	Code	Pack. Standard	Units/pallet
Solar Bubble	-	<b>67559</b>	15	-



### Kit-Splash

Children's pool maintenance kit. It contains 0.5 l of dichlor granules and 0.5 l of concentrated algicide.

	Packaging	Code	Pack. Standard	Units/pallet
	Kit	<b>15986</b>	14	294

For minimum amounts,  
ask your dealer

## ACCESSORIES



### Chlorine stabiliser

Prevents the rapid breakdown of chlorine by the sun's UV rays.

Packaging	Code	Pack. Standard	Kg/l/pallet
1 kg	<b>16556</b>	12	360
5 kg	<b>16495</b>	4	480
25 kg	<b>19935</b>	1	450



### Chlorine and bromine neutraliser

For the removal of excess residual chlorine or bromine.

Packaging	Code	Pack. Standard	Kg/l/pallet
6 kg	<b>16578</b>	4	576



### Super descaler

Highly efficient descaler. Prevents the precipitation of lime and the build-up of limescale. Prevents pipes from getting blocked.

Packaging	Code	Pack. Standard	Kg/l/pallet
5 l	<b>16555</b>	4	640



### Descaler

Prevents limescale.

Packaging	Code	Pack. Standard	Kg/l/pallet
5 l	<b>11431</b>	4	640



## BLUE CONNECT RANGE



### WHAT IS BLUE CONNECT?

Blue Connect is smart device that tests water quality. It comes with a free app that tells you have to balance your pool water in a few easy steps.

The device is equipped with a probe that measures the four main settings for keeping your pool water crystal clear: pH, temperature, ORP (level of disinfectant) and conductivity.



### Plug & Play

Blue Connect works with all types of pools and its installation takes only 3 minutes.



1. Download the App



2. Link Blue Connect



3. Install it in the water  
or in the technical room  
(Blue Fit50)



4. Enjoy!



### BLUE CONNECT APP

With the free application Blue Connect, the user access **real-time information** on the quality of the water but also weather conditions.

When an action is needed, he receives an **alert** on his smartphone. Depending on the characteristics of his pool, the application gives him the **procedure to follow** and the quantity of chemicals needed to maintain a clean and healthy water.

### Always connected

Blue is always connected thanks to different technologies:



Blue Connect continuously sends the data to the cloud via a network dedicated to connected devices.



Take an instant measure directly with Bluetooth.



Use Blue Connect with your Wi-Fi thanks to the Wi-Fi gateway Blue Extender.

## BLUE CONNECT RANGE

### Blue Extender Wi-Fi Gateway

If there is no Sigfox coverage in your area, Blue Connect can be connected to the Wi-Fi thanks to the **Blue Extender Wi-Fi gateway**.

Check your coverage on [blueconnect.io](http://blueconnect.io)



### Blue Fit50, saddle clamp 50 mm

Blue Connect can float or can be installed in the technical room thanks to the saddle clamp **Blue Fit50**.



### Blue Connect packages

There are 2 packages of Blue Connect: **Blue Connect** and **Blue Connect Plus**.



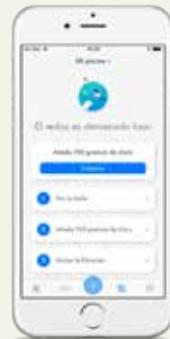
### blue connect

Monitor your pool 24/7, wherever you are with the connected pool water analyser and the free Blue Connect app.



#### Blue Connect (white)

The smart pool tester and the free Blue Connect app



#### Integral probe

Blue Connect accurately measures and analyses your pool's settings

#### Step-by-step assistant

Follow your custom practical guide and save time and money



### blue connect plus

In addition to all the Blue Connect features, Blue Connect Plus gives access to a powerful web platform that allows local pool professional to monitor the pool remotely, for the ultimate peace of mind.



#### Blue Connect (blue)

The smart pool analyser and the advanced app Blue Plus



#### Blue Fit50

Saddle clamp to install Blue Connect in the technical room

#### Virtual Pool Care

Web platform for pool Professional [virtualpoolcare.io](http://virtualpoolcare.io)

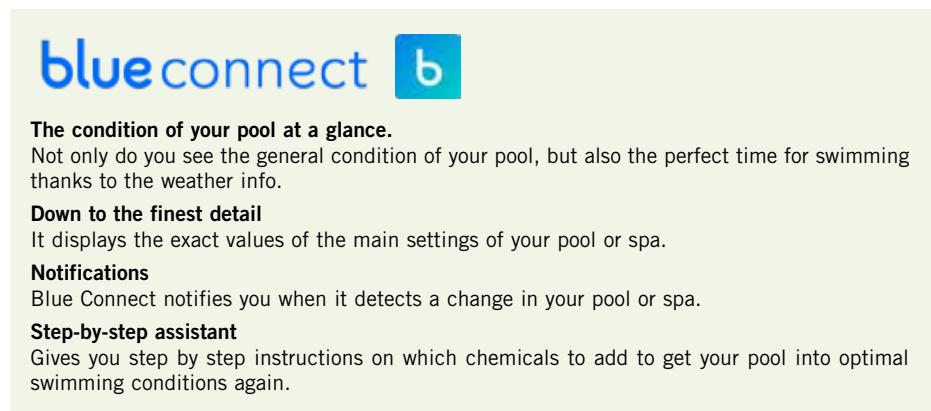
### Blue Connect Standard or Salt?

Each of those packages are declined in 2 versions: a version for chlorine and bromine pools (platinum probe) and a version optimized for salt water pools (gold probe).

## BLUE CONNECT RANGE

### Blue Connect App

There are two versions of the Blue Connect app: Blue Connect and Blue Plus (advanced mode).



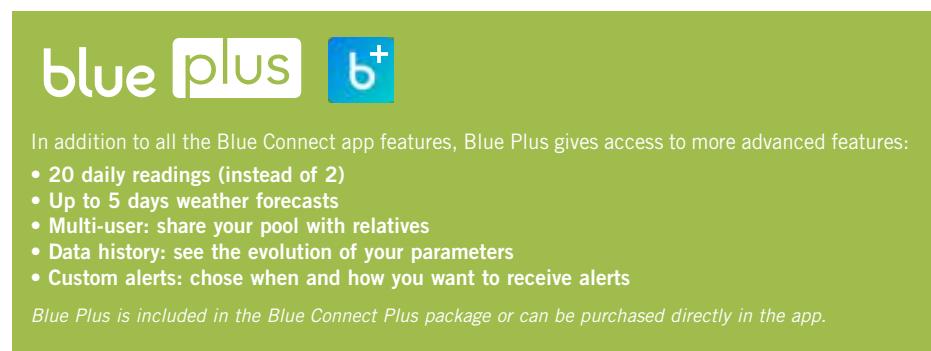
**blue connect b**

**The condition of your pool at a glance.**  
Not only do you see the general condition of your pool, but also the perfect time for swimming thanks to the weather info.

**Down to the finest detail**  
It displays the exact values of the main settings of your pool or spa.

**Notifications**  
Blue Connect notifies you when it detects a change in your pool or spa.

**Step-by-step assistant**  
Gives you step by step instructions on which chemicals to add to get your pool into optimal swimming conditions again.

**blue plus b+**

In addition to all the Blue Connect app features, Blue Plus gives access to more advanced features:

- 20 daily readings (instead of 2)
- Up to 5 days weather forecasts
- Multi-user: share your pool with relatives
- Data history: see the evolution of your parameters
- Custom alerts: chose when and how you want to receive alerts

*Blue Plus is included in the Blue Connect Plus package or can be purchased directly in the app.*



### Blue Check, 5-in1 test strips that work with the app

Blue Check has 50 test strips that are used with the free Blue Connect app, on which customers can find tips on how to maintain their pools. A simple solution for keeping clean with total peace of mind.

Blue Check works with Blue Connect to check additional settings, such as alkalinity, hardness and cyanuric acid.

Further information on page 211.



## Smart Pool Analyzer

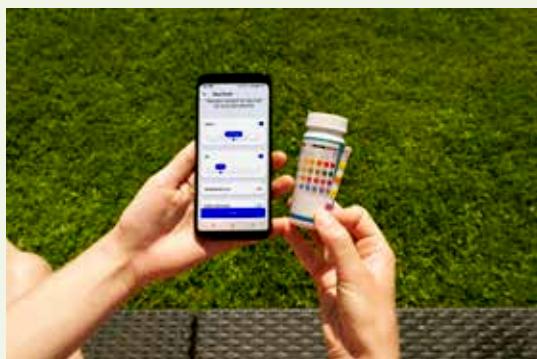
	Code	Pack. Standard	Weight kg Standard	Volume in m <sup>3</sup> Standard
Blue Connect* (white)	<b>70158-R</b>	1	-	-
Blue Connect Plus (blue)	<b>70159</b>	1	-	-
Blue Connect Plus Salt (blue)	<b>71663</b>	1	-	-
Blue Battery, lithium battery	<b>7015C001</b>	1	-	-
Blue Sensor Pt	<b>7015R001</b>	1	-	-
Blue Sensor Au**	<b>7015R002</b>	1	-	-
Blue Fit50	<b>7015C002</b>	1	-	-
Blue Extender (Wi-Fi)	<b>7015C004</b>	1	-	-
Blue calibration KIT	<b>71666</b>	1	-	-

\* For the United States, Australia and Latin America countries, please check the code with the distributor before purchasing (check radio frequency)  
\*\* Optimized sensor for salt water pools

## TESTERS

New

Blue Check, test strips for use with the Blue Connect maintenance app

WATER  
PRODUCTS

Blue Check has 50 test strips that are used with the free Blue Connect app, on which customers can find tips on how to maintain their pools. A simple solution for keeping clean with total peace of mind.

**Blue Check measures:**

- pH (6.8 - 8.2)
- Free chlorine (0.0–5.0)
- Bromine (0.0–11.0)
- Total alkalinity (0–240)
- Total Hardness (40–1000)
- Cyanuric Acid (0–150)

**Blue Check** works in conjunction with **Blue Connect**, the smart pool water tester (see page 210). Thanks to Blue Check you will be able to ensure that your pool water is balanced by checking other settings, such as alkalinity, hardness and cyanuric acid.



1

Test the water and enters the values in the app  
**Blue Connect**



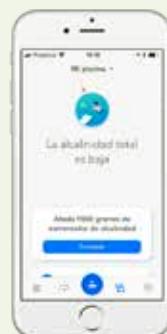
2

See the state of your pool and the weather forecast



3

Receive customised tips on which chemicals to use and in which amounts



Code	Pack. Standard	Weight kg Standard	Volume in m <sup>3</sup> Standard
------	-------------------	-----------------------	--------------------------------------

Blue Check, test strips (pack in EN, FR, DE, NL)  
Blue Check, test strips (pack in EN, ES, IT, PT)

71664  
71665

## TESTERS



## 3-in-1 test strips

Quick and easy test for free chlorine, pH and alkalinity. Contains 50 strips.

Code	Pack. Standard	Weight kg Standard	Volume in m <sup>3</sup> Standard
<b>41925</b>	10	0.6	0.005



## 6-in-1 test strips

Quick and easy test for free chlorine, pH, alkalinity, bromine, water hardness and cyanuric acid. Contains 50 strips.

Code	Pack. Standard	Weight kg Standard	Volume in m <sup>3</sup> Standard
<b>45198</b>	10	0.6	0.005



## Reagent refills

1 OTO and 1 phenol refill

Code	Pack. Standard	Weight kg Standard	Volume in m <sup>3</sup> Standard
<b>38638</b>	<b>144</b>	8	0.037



## Basic pH and chlorine test kit - Basic Line

With OTO and phenol

Code	Pack. Standard	Weight kg Standard	Volume in m <sup>3</sup> Standard
<b>38637</b>	<b>48</b>	8	0.054



## Total chlorine and pH comparison test kit



Comes in a modern, practical design. Packaged in a blue plastic box. Comes with OTO and liquid phenol.

Code	Pack. Standard	Weight kg Standard	Volume in m <sup>3</sup> Standard
<b>25353</b>	25	4.8	0.019



## Chlorine, bromine and pH comparison test kit



Comes in a modern, practical design. Packaged in a blue plastic box. Comes with phenol and DPD tablets.

Code	Pack. Standard	Weight kg Standard	Volume in m <sup>3</sup> Standard
<b>26155</b>	25	4.8	0.019

**TESTERS****Liquid active oxygen tester**

For testing the residual liquid active oxygen in the water.

Code	Pack. Standard	Weight kg Standard	Volume in m <sup>3</sup> Standard
<b>26082</b>	1	15.4	0.0265

**Reagent refills**

OTO refill  
Phenol refill  
OTO refill  
Phenol refill  
1 OTO and 1 phenol  
refill

15 cm<sup>3</sup>  
15 cm<sup>3</sup>  
250 cm<sup>3</sup>  
250 cm<sup>3</sup>  
15 cm<sup>3</sup>

Code	Pack. Standard	Weight kg Standard	Volume in m <sup>3</sup> Standard
<b>28050</b>	50	2.1	0.020
<b>28051</b>	50	2.1	0.020
<b>16623</b>	20	5.5	0.010
<b>16624</b>	20	5.5	0.010
<b>16610</b>	50	3.5	0.020

28050

28051



16623

16610

**Free chlorine and pH Pooltester**

Chlorine range: 0.1–3.0 mg/l  
pH range: 6.8–8.2

Chlorine range: 0.5–6.0 mg/l  
ph range: 6.8–8.2

Code	Pack. Standard	Weight kg Standard	Volume in m <sup>3</sup> Standard
<b>03253</b>	12	2.2	0.007
<b>01419</b>	12	2.2	0.007

**Oxygen and pH Pooltester**

Code	Pack. Standard	Weight kg Standard	Volume in m <sup>3</sup> Standard
<b>03182</b>	12	2.2	0.007

**Bromine and pH Pooltester**

Code	Pack. Standard	Weight kg Standard	Volume in m <sup>3</sup> Standard
<b>16374</b>	12	2.2	0.007



## TESTERS



## Copper test kit

Code	Pack. Standard	Weight kg Standard	Volume in m <sup>3</sup> Standard
<b>03258</b>	1	0.2	0.004



## Pooltester refill blister pack

20 DPD-1 tablets and 20 red phenol tablets.

Code	Pack. Standard	Weight kg Standard	Volume in m <sup>3</sup> Standard
<b>18854</b>	30	1.4	0.010



## Reagent tablets



Phenol reagent tablets (pH)	250 units	<b>01426</b>	1	0.1	0.004
DPD-1 reagent tablets	250 units	<b>01424</b>	1	0.1	0.004
DPD 2 reagent tablets	250 units	<b>43409</b>	1	0.1	0.004
DPD-3 reagent tablets	250 units	<b>01425</b>	1	0.1	0.004
DPD 4 reagent tablets	250 units	<b>43408</b>	1	0.1	0.004
MPS-OUT reagent tablets	250 units (test for the amount of chlorine in the presence of Oximines)	<b>08677</b>	1	0.1	0.004



## 3-in-1 test strips: MPS



Tests for potassium monopersulphate, pH and total alkalinity. Each pack contains 50 strips.

Code	Pack. Standard	Weight kg Standard	Volume in m <sup>3</sup> Standard
<b>57500</b>	-	-	-



## 4-in-1 test strips: free chlorine



Quick and easy test for free chlorine, pH and total alkalinity in pools treated with chlorine. Each pack contains 50 strips.

Code	Pack. Standard	Weight kg Standard	Volume in m <sup>3</sup> Standard
<b>11732</b>	-	-	-



## 4-in-1 test strips: bromine



Quick and easy test for bromine, pH and total alkalinity in pools treated with bromine. Each pack contains 50 strips.

Code	Pack. Standard	Weight kg Standard	Volume in m <sup>3</sup> Standard
<b>54467</b>	-	-	-

## TESTERS



## Salt test kit



Salt test strips for checking salt levels. Salt levels must be checked on a regular basis as the water is renewed.

Code	Pack. Standard	Weight kg Standard	Volume in m <sup>3</sup> Standard
<b>07937</b>	-	-	-



## TruTest test strips



50 TruTest 3-in-1 test strips (test for free chlorine and bromine, pH and total alkalinity).

Code	Pack. Standard	Weight kg Standard	Volume in m <sup>3</sup> Standard
<b>40817</b>	-	-	-



## Digital test strip reader



Digital test strip reader for measuring total free chlorine/bromine, pH and alkalinity. It combines the simplicity and accuracy of test strips with advanced digital technology. You will no longer have to guess the exact results of test strips. Just wet a test strip in your pool or spa water, put it in the reader and you will obtain fast, accurate results.

Code	Pack. Standard	Weight kg Standard	Volume in m <sup>3</sup> Standard
<b>38813</b>	-	-	-



## TruTest kit



Comes with:

- 1 display rack and banner for your point of sale.
- 6 digital test strip readers.
- 6 packs of TruTest digital test strips.

Code	Pack. Standard	Weight kg Standard	Volume in m <sup>3</sup> Standard
<b>41653</b>	-	-	-

## POCKET GAUGES



### Dissolved solids pocket gauge

A small, practical pocket gauge for quickly measuring the solids dissolved in the water.

Code	Pack. Standard	Weight kg Standard	Volume in m <sup>3</sup> Standard
<b>41928</b>	1	-	-



### Redox pocket gauge

A small, practical pocket gauge for quickly measuring the redox level in pool water.

Code	Pack. Standard	Weight kg Standard	Volume in m <sup>3</sup> Standard
<b>28583</b>	1	-	-



### pH pocket gauge

A small, practical pocket gauge for quickly measuring the pH level in pool water.

Code	Pack. Standard	Weight kg Standard	Volume in m <sup>3</sup> Standard
<b>43447</b>	1	-	-



### Conductivity pocket gauge

A small, practical pocket gauge for quickly measuring conductivity.

Code	Pack. Standard	Weight kg Standard	Volume in m <sup>3</sup> Standard
<b>43428</b>	1	-	-

Range: 0.1–19.9 mS/cm.



## TEST KITS AND PHOTOMETERS



### 3-in-1 photometer

Chlorine: 0.01–5.0 mg/l  
Isocyanuric acid 2–200 mg/l  
pH: 6.8 - 8.4

Code	Pack. Standard	Weight kg Standard	Volume in m <sup>3</sup> Standard
<b>47189</b>	1	1.0	0.049

## TEST KITS AND PHOTOMETERS



## 6-in-1 photometer

Chlorine range: 0.01–5.0 mg/l  
 pH range: 6.8–8.4  
 Isocyanuric acid 2–200 mg/l  
 Calcium hardness: 5–500 mg/l  
 Bromine: 0.01–5.0 mg/l  
 Alkalinity: 10–500 mg/l

Code	Pack. Standard	Weight kg Standard	Volume in m <sup>3</sup> Standard
47190	1	1.0	0.049



## 3-in-1 photometer PC test kit

Chlorine range: 0.05–6.0 mg/l  
 pH range: 6.5–8.4  
 Cyanuric acid range: 0–80.0 mg/l

Code	Pack. Standard	Weight kg Standard	Volume in m <sup>3</sup> Standard
54567	1	1.0	0.049



## Pool-Control-Direct

Multiparameter photometer that enables a wide range of tests to be performed that cover all pool water readings. Intended for pool dealers.

Code	Pack. Standard	Weight kg Standard	Volume in m <sup>3</sup> Standard
41922	1	1.9	0.023

Parameters tested (the reagents required can be ordered):

Alkalinity: 10 – 500 mg/l  
 Aluminium: 0.02–0.5 mg/l  
 Ammonia: 0.01–1.0 mg/l  
 Cyanuric acid: 2–200 mg/l  
 Biguanide: 2–100 mg/l  
 Bromine: 0.04–10.0 mg/l  
 Calcium hardness: 5–500 mg/l  
 Chloride: 10–500 mg/l  
 Free chlorine: 0.01–5.0 mg/l  
 Total chlorine: 0.01–5.0 mg/l  
 Free chlorine released: 0.01–10 mg/l  
 Total chlorine released: 0.01–10 mg/l  
 Chlorine range: 1–250 mg/l

Total copper 0.03–5.0 mg/l  
 Free copper: 0.03–5.0 mg/l  
 Total hardness: 5–500 mg/l  
 Phosphates: 0.03–4.0 mg/l  
 Iron: 0.01–1.0 mg/l  
 Manganese: 0.001–0.03 mg/l  
 Nitrates: 0.02–20 mg/l  
 Ozone: 0.01–2.0 mg/l  
 Hydrogen peroxide: 1–100 mg/l  
 pH: 6.8 – 8.4  
 Salt level: 0–10.000 mg/l  
 Sulphates: 5–200 mg/l



## 5-in-1 photometer PC test kit

Chlorine range: 0.05–6.0 mg/l  
 pH range: 6.5–8.4  
 Cyanuric acid range: 0–80.0 mg/l  
 Alkalinity range: 5–200 mg/l  
 Calcium hardness range: 50–500 mg/l

Code	Pack. Standard	Weight kg Standard	Volume in m <sup>3</sup> Standard
54568	1	1.0	0.049



## TEST KITS AND PHOTOMETERS



## Photometer reagents

Code 03009

		Code	Pack. Standard	Weight kg Standard	Volume in m <sup>3</sup> Standard
	Phenol reagent tablets (pH)	250 units	03019	1	0.1
	DPD-1 reagent tablets	250 units	03009	1	0.1
	DPD-3 reagent tablets	250 units	03014	1	0.1
	MPS-OUT reagent tablets	250 units	08679	1	0.1
	(test for the amount of chlorine in the presence of Oximines)				
	Isocyanuric acid reagent tablets	250 units	08345	1	0.1
	Other reagents		Consult		0.004



## DOSING AND CONTROL EQUIPMENT

- 220 • Salt electrolysis and pH/Cl control - Residential pools
- 228 • UV automatic disinfection for residential pools
- 232 • Dosing pumps
- 238 • Water meters
- 238 • Control devices

## SALT ELECTROLYSIS AND PH/CL CONTROL - RESIDENTIAL POOLS

## Model comparison

								
Product name	Elite Connect				Smart Next			
Chlorine output	12 g/h	24 g/h	32 g/h	42 g/h	7 g/h	12 g/h	21 g/h	30 g/h
Unheated pool volume (m³)	60	100	160	200	30	60	80	140
Heated pool volume (m³)	50	80	120	160	25	50	70	115
Output control	0-100%				0-100% (10 levels)			
Low Salt	Optional				No			
pH control	Scalable (fail-safe mode)				Optional			
Electrode holder included	Yes (pH option)				Yes (pH option)			
pH pump included (indoor or outdoor)	Yes (pH option)				Yes (pH option)			
pH fail-safe mode	Yes (1-120 min)				Yes (1-120 min)			
ORP control	Scalable				No			
ppm control	Scalable				No			
External output control	Yes (adjustable)				Yes (adjustable)			
Cover detector	Yes (adjustable)				Yes (adjustable)			
User interface	2,8" TFT colour touchscreen				Back-lit touchscreen			
Minimum flow rate	2 m³/h	4 m³/h	6 m³/h	8 m³/h	2 m³/h	3 m³/h	5 m³/h	6 m³/h
Protection rating	IP65				IP65			
Type of cell	Horizontal or vertical				Horizontal or vertical			
Cell service life	12,000 h				10,000 h			
Lack of water fail-safe mode	Yes (flowmeter and gas probe)				Yes (gas sensor and optional flowmeter)			
Salt fail-safe mode	Yes (High - Low)				Yes (High - Low)			
Electric power	83 W	165 W	205 W	205 W	46 W	92 W	92 W	184 W
Reverse polarity	Yes, 2-3-4 h				Yes, 2-3 h			
Timer	Yes				No			
Running time meter	Yes				Yes			
Temperature display	Yes				Yes			
Salinity display	Yes				Yes			
Connectivity	Yes (PoolStation included, NN-compatible)				Yes (NN-compatible)			
Inputs - Outputs	4 (digital) - 4 (relays)				No			
Warranty	3 years				2 years			



Further information in **PRODUCTS**  
www.astralpool.com

## SALT ELECTROLYSIS AND PH/CL CONTROL - RESIDENTIAL POOLS



Fluidra Connect compatible



Possibility of upgrading the unit with S-Driver®



New

### Elite Connect

A totally automated pH and chlorine control unit with all of the added advantages of salt chlorinators.

- Scalable control functions with S-Driver® plug-in modules (pH, Rx and Cl ppm).
- 2.8" TFT colour touchscreen.
- Compatible with Fluidra Connect and integrated PoolStation.
- It has 4 digital inputs and 4 digital outputs (relay) for controlling the filtration pump, heat pump, lighting, watering system, etc.
- Equipped with a bubble detector, a flow meter and a compact probe holder (pH option) as standard.
- Equipped with high quality electrodes, with a service life of up to 12,000 hours under normal conditions.
- Output control of 0 to 100%.
- pH dosing pump included with pH option.
- Low-salt version (1–4 g/l).

	Code	Pack. Standard	Weight kg Standard	Volume in m³ Standard
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#### Elite Connect

Elite Connect 12 g/h	70012	1	-	-
Elite Connect 24 g/h	70013	1	-	-
Elite Connect 32 g/h	70014	1	-	-
Elite Connect 42 g/h	70016	1	-	-

#### Elite Connect pH

Elite Connect pH 12 g/h	70019	1	-	-
Elite Connect pH 24 g/h	70021	1	-	-
Elite Connect pH 32 g/h	70023	1	-	-
Elite Connect pH 42 g/h	70025	1	-	-

#### Elite Connect pH/Rx

Elite Connect pH/Rx 12 g/h	70031	1	-	-
Elite Connect pH/Rx 24 g/h	70032	1	-	-
Elite Connect pH/Rx 32 g/h	70033	1	-	-
Elite Connect pH/Rx 42 g/h	70035	1	-	-

#### Elite Connect pH/ppm

Elite Connect pH/ppm 12 g/h	70361	1	-	-
Elite Connect pH/ppm 24 g/h	70363	1	-	-
Elite Connect pH/ppm 32 g/h	70365	1	-	-
Elite Connect pH/ppm 42 g/h	70369	1	-	-

#### Elite Connect LS

Elite Connect LS 12 g/h	70037	1	-	-
Elite Connect LS 24 g/h	70039	1	-	-
Elite Connect LS pH 12 g/h	70040	1	-	-
Elite Connect LS pH 24 g/h	70042	1	-	-
Elite Connect LS pH/Rx 12 g/h	70047	1	-	-
Elite Connect LS pH/Rx 24 g/h	70048	1	-	-
Elite Connect LS pH/ppm 12 g/h	70371	1	-	-
Elite Connect LS pH/ppm 24 g/h	70372	1	-	-

#### Driver

SD-pH	70049	1	-	-
SD-Pump	70054	1	-	-
SD-ORP	70051	1	-	-
SD-PPM	70052	1	-	-



70049



70054



70051



70052

PDB  
Product DatabaseFurther information in PRODUCTS  
[www.astralpool.com](http://www.astralpool.com)

## SALT ELECTROLYSIS AND PH/CL CONTROL - RESIDENTIAL POOLS



New



## Smart Next

A salt chlorinator with the possibility of total automated control over pH.

- Compatible with Fluidra Connect.
- Equipped with a bubble detector (optional flow meter) and compact probe holder (pH option) as standard.
- Monitors temperature and salinity.
- Equipped with high quality electrodes, with a service life of up to 10,000 hours under normal conditions.
- Output control of 0 to 100%.
- pH dosing pump included with pH option.

	Code	Pack. Standard	Weight kg Standard	Volume in m <sup>3</sup> Standard
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**Smart Next**

Smart Next 7 g/h	<b>70058</b>	1	-	-
Smart Next 12 g/h	<b>70060</b>	1	-	-
Smart Next 21 g/h	<b>70062</b>	1	-	-
Smart Next 30 g/h	<b>70063</b>	1	-	-
Smart Next 40 g/h	<b>70064</b>	1	-	-

**Smart Next pH**

Smart Next pH 7 g/h	<b>70083</b>	1	-	-
Smart Next pH 12 g/h	<b>70084</b>	1	-	-
Smart Next pH 21 g/h	<b>70085</b>	1	-	-
Smart Next pH 30 g/h	<b>70086</b>	1	-	-
Smart Next pH 40 g/h	<b>70093</b>	1	-	-

**Option:**

Flow meter, D.50 collar and adaptor

<b>71124</b>	1	-	-
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Fluidra Connect  
compatible

New



## Energy Sel

Self-cleaning salt chlorinator thanks to reverse polarity. Easy to install and use, it is recommended for pools of up to 95 m<sup>3</sup>. Optional flow rate detection connector (code 300227 includes D.63 collar; code 300228 includes D.50 collar). It is a more inexpensive and natural way of treating your pool. Connection for automatic cover.

	Chlorine output	Code	Pack. Standard	Weight kg Standard	Volume in m <sup>3</sup> Standard
Up to 30 m <sup>3</sup>	9 g/h	<b>71650</b>	1	3.50	0.025
Up to 55 m <sup>3</sup>	13 g/h	<b>71651</b>	1	3.65	0.025
Up to 95 m <sup>3</sup>	19 g/h	<b>71652</b>	1	3.70	0.025



## Bering Sel

Self-cleaning electrolyser thanks to reverse polarity. For pools of between 30 and 75 m<sup>3</sup>. Compact design. Manual output adjustment (from 0 to 100%). 3 indicators: solid green = running, solid red = in standby mode, flashing red = failure (lack of water, lack of salt). Single electrode for pools of 30 to 75 m<sup>3</sup>.

	Code	Pack. Standard	Weight kg Standard	Volume in m <sup>3</sup> Standard
From 30 to 75 m <sup>3</sup>	<b>64315</b>	1	6.0	



New

## SALT ELECTROLYSIS AND PH/CL CONTROL - RESIDENTIAL POOLS



## Sel Clear

Self-cleaning salt chlorinator thanks to reverse polarity. Easy to install and use, it is recommended for pools of up to 95 m<sup>3</sup>. Optional flow rate detection connector (code 300227 includes D.63 collar; code 300228 includes D.50 collar). It is a more inexpensive and natural way of treating your pool. Connection for automatic cover.

	<b>Chlorine output</b>	<b>Code</b>	Pack. Standard	Weight kg Standard	Volume in m <sup>3</sup> Standard
Up to 30 m <sup>3</sup>	9 g/h	<b>54041</b>	1	3.50	0.025
Up to 55 m <sup>3</sup>	13 g/h	<b>54042</b>	1	3.65	0.025
Up to 95 m <sup>3</sup>	19 g/h	<b>54043</b>	1	3.70	0.025



## Salt test kit

Salt test strips for checking salt levels. Salt levels must be checked on a regular basis as the water is renewed.

<b>Code</b>	Pack. Standard	Weight kg Standard	Volume in m <sup>3</sup> Standard
<b>07937</b>	1	0.8	0.001



## Standard Elite Connect electrodes

New

	<b>Code</b>	Pack. Standard	Weight kg Standard	Volume in m <sup>3</sup> Standard
Elite Connect 12 electrode (Codes 70012 / 70019 / 70031 / 70361)	<b>60588</b>	1	-	-
Elite Connect 24 electrode (Codes 70013 / 70021 / 70032 / 70363)	<b>60589</b>	1	-	-
Elite Connect 32 electrode (Codes 70014 / 70040 / 70033 / 70365)	<b>60594</b>	1	-	-
Elite Connect 42 electrode (Codes 70016 / 70025 / 70035 / 70369)	<b>70316</b>	1	-	-
Elite Connect 12 LS electrode (Codes 70037 / 70040 / 70047 / 70371)	<b>70317</b>	1	-	-
Elite Connect 24 LS electrode (Codes 70039 / 70042 / 70048 / 70372)	<b>70318</b>	1	-	-

PDB  
Product DatabaseFurther information in PRODUCTS  
[www.astralpool.com](http://www.astralpool.com)

## SALT ELECTROLYSIS AND PH/CL CONTROL - RESIDENTIAL POOLS

New



## Standard Smart Next electrodes

	Code	Pack. Standard	Weight kg Standard	Volume in m <sup>3</sup> Standard
Smart Next 07 electrode (Codes 70058 / 70083)	<b>60595</b>	1	-	-
Smart Next 12 electrode (Codes 70060 / 70084)	<b>60596</b>	1	-	-
Smart Next 21 electrode (Codes 70062 / 70085)	<b>70312</b>	1	-	-
Smart Next 30 electrode (Codes 70063 / 70086)	<b>70314</b>	1	-	-
Smart Next 40 electrode (Codes 70064 / 70093)	<b>70315</b>	1	-	-



## Energy Sel / Sel Clear electrodes

	Code	Pack. Standard	Weight kg Standard	Volume in m <sup>3</sup> Standard
Electrode 30: up to 30 m <sup>3</sup>	<b>54051</b>	1	0.35	0.0055
Electrode 55: up to 55 m <sup>3</sup>	<b>54052</b>	1	0.44	0.0055
Electrode 95: up to 95 m <sup>3</sup>	<b>54053</b>	1	0.50	0.0055

Check sensors and installation kit on page 227

## SALT ELECTROLYSIS AND PH/CL CONTROL - RESIDENTIAL POOLS



Fluidra Connect compatible

See the probes and the installation kit on page 227

### Control Basic Plus

Small in size, it has been designed to prevent siphoning, require little maintenance, be easy to install and is protected from the spraying of chemical products. The device automatically measures and checks a pool's pH or redox.

**Supplied without sensors or calibration solutions. Installation kit included.**

- Plastic housing with IP-65 protection rating
- Backlit LCD display comprising 2 lines and 16 characters.
- Self-calibration of electrodes.
- Quality control of electrodes.
- Dosing pause during alarms and notification by a blinking LED.
- Proportional dosing.
- Adjustable set point.
- Flow rate: 1,5 l/h or 5 l/h.
- Back pressure: 1.5 bar.
- pH measurement range: 0.00 to 14.00.
- Redox measurement range: -999 to + 999 mV.
- Switch.
- Alarm relay.
- Minimum chemical product level input.
- PT100 temperature inlet (optional probe).

	Code	Pack. Standard	Weight kg Standard	Volume in m <sup>3</sup> Standard
Control Basic 1,5 l/h	66159	1	2.2	0.01
Control Basic 5,0 l/h	66160	1	2.2	0.01
pH electrode with calibration solutions	36004	1	0.4	0.001
Redox electrode with calibration solutions	36005	1	0.3	0.001
Optional				
PT100 sensor	66758	-	-	-
Flange for PT100	66759	-	-	-



Fluidra Connect compatible

See the probes and the installation kit on page 227

### Redox Basic EV Plus

Small in size, it has been designed to prevent siphoning, require little maintenance, be easy to install and is protected from the spraying of chemical products. Recommended for use with chlorinators without redox control, such as Sel Pure, Dual Pure, Smart and Smart + pH.

**Supplied without sensors or calibration solutions. Installation kit included.**

- Plastic housing with IP-65 protection rating
- Backlit LCD display comprising 2 lines and 16 characters.
- Self-calibration of electrodes.
- Quality control of electrodes.
- Dosing pause during alarms and notification by a blinking LED.
- Proportional dosing.
- Adjustable set point.
- Redox measurement range: -999 to + 999 mV.
- Switch.
- Alarm relay.
- Output relay for external component.
- Minimum chemical product level input.
- PT100 temperature input (optional sensor).

	Code	Pack. Standard	Weight kg Standard	Volume in m <sup>3</sup> Standard
Redox Basic EV Plus	66161	1	2.1	0.01
Sensor not included				
Redox electrode with calibration solutions	36005	1	0.3	0.001
Optional				
PT100 sensor	66758	-	-	-
Flange for PT100	66759	-	-	-

Check sensors and installation  
kit on page 227

## SALT ELECTROLYSIS AND PH/CL CONTROL - RESIDENTIAL POOLS



## Dual pH-EV Basic Control Plus

The DUAL pH-EV BASIC CONTROL dosing device has been specifically designed for automatically controlling pH and redox (ORP) levels.

It is a must in home spas and pools. It can work with a salt chlorinator or chlorine tablets, as it has relay output for enabling the chlorinator, in addition to controlling a pool's pH levels through a peristaltic pump.

Small in size, it comes with all of the components required for proper installation.

Depending on the device that has been connected, the control function can be set to the ON-OFF setting or proportional setting (ideal for solenoid valves).

## General technical features

- Automatic pH or redox control and dosing system.
- Measurement range of 0–14 (pH) and 0–100 mV (redox).
- Includes full installation kit comprising a pH and Redox electrode, probe holder, standard solutions, suction and blow pipes and suction- and blow-pipe fittings.
- ABS casing with IP65 protection rating.
- Digital screen that gives pH, redox (ORP) and temperature (optional Pt100) readings
- Remote on-off input (230 VAC) that keeps display lit up for calibration and programming.
- Chemical product level inlet.
- Alarm relay.

	Code	Pack. Standard	Weight kg Standard	Volume in m <sup>3</sup> Standard
Dual pH-EV Basic Control 1.5 l/h compatible with Fluidra Connect (includes electrodes)	<b>66180</b>	1	-	-
SPA pH-EV 0.4 l/h Dual Basic Control compatible with Fluidra Connect (includes electrodes)	<b>66181</b>	1	-	-
Optional PT100 sensor	<b>66758</b>	-	-	-
Flange for PT100	<b>66759</b>	-	-	-



## Control Basic Next

The NEXT control and dosing device has been specifically designed for the automatic control of pH and redox levels. It can be set to control whichever of these two functionalities is required.

It is the most simple control and dosing device in the market. Small in size, it has all of the components required for immediate installation.

## General technical features

- Automatic pH or redox control and dosing system.
- Measurement range of 0–14 (pH) and 0–100 mV (redox).
- It comes with a full installation kit, made up of a pH or redox electrode (depending on the model), a probe holder, standard solutions, suction and blow pipes, and suction and blow pipe fittings.
- ABS casing with IP65 protection rating.
- Digital display screen for both pH and redox readings.
- Remote on-off input (230 VAC) that keeps display lit up for calibration and programming.

	Code	Pack. Standard	Weight kg Standard	Volume in m <sup>3</sup> Standard
Control Basic pH 1.5 l/h NEXT (pH probe included)	<b>66162</b>	1	-	-
Control Basic pH 3 l/h NEXT (pH probe included)	<b>66336</b>	1	-	-
Control Basic ORP 1.5 l/h NEXT (ORP probe included)	<b>66163</b>	1	-	-
Control Basic ORP 3 l/h NEXT (ORP probe included)	<b>66337</b>	1	-	-
Control Basic pH 0.4 l/h NEXT SPA (pH probe included)	<b>66156</b>	1	-	-
Control Basic ORP 0,4 l/h NEXT SPA (ORP probe included)	<b>66157</b>	1	-	-

## SALT ELECTROLYSIS AND PH/CL CONTROL - RESIDENTIAL POOLS



Redox Basic EV Next

The NEXT control and dosing unit has been specifically designed for automatically controlling redox levels. It is the most simple control and dosing device in the market. Small in size, it has all of the components required for immediate installation.

**General technical features**

- Automatic redox control and dosing system.
- Measurement range of 0...1000 mV.
- It comes with a full installation kit, made up of a redox electrode, a probe holder, standard buffer solutions, suction and blow pipes, and suction and blow pipe fittings.
- ABS casing with IP65 protection rating.
- Digital screen that gives redox readings.
- Remote on-off input (230 VAC) that keeps display lit up for calibration and programming.

	Code	Pack. Standard	Weight kg Standard	Volume in m <sup>3</sup> Standard
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Redox Basic EV Next  
Includes redox probe

**66174**      1      -      -

<b>Installation kit</b>	
Control Basic	•    •    •    •
Redox Basic	

<b>Sensors</b>	
pH sensor with calibration solutions (Code: 36004)	•    -    •    -
Redox sensor with calibration solutions (Code: 36005)	-    •    -    •



## UV AUTOMATIC DISINFECTION FOR RESIDENTIAL POOLS

**Neolysis**, the most advanced water treatment by AstralPool: + Sustainability + Innovation + Disinfection + Healthy.

**Advantages:**

- Water suitable for watering.
- Dual disinfection based on UV and electrolysis.
- Unbeatable water quality.

**Characteristics:**

- The ultimate in chloramine reduction capacity (UV LP + Electrolysis).
- UV LP HO lamps (13,000 h).
- Patented process.



## Neolysis S (6 g/L)

Standard salinity (S) salt chlorinator systems combined with UV lamps for use in private pool of up to 120 m<sup>3</sup>. Operation with standard salinity (4–6 grams per litre).

	Code	Pack. Standard	Weight kg Standard	Volume in m <sup>3</sup> Standard
AP NEO/S (6 Gr/l) 12 Gr/h + UV 48 W	<b>66126</b>	1	-	-
AP NEO/S (6 Gr/l) 24 Gr/h + UV 56 W	<b>66127</b>	1	-	-
AP NEO/S (6 Gr/l) 32 Gr/h + UV 56 W	<b>66128</b>	1	-	-
AP NEO/S (6 Gr/l) 12 Gr/h + UV 48 W + pH	<b>66129</b>	1	-	-
AP NEO/S (6 Gr/l) 24 Gr/h + UV 56 W + pH	<b>66130</b>	1	-	-
AP NEO/S (6 Gr/l) 32 Gr/h + UV 56 W + pH	<b>66138</b>	1	-	-
AP NEO/S (6 Gr/l) 12 Gr/h + UV 48 W + pH/ORP	<b>66139</b>	1	-	-
AP NEO/S (6 Gr/l) 24 Gr/h + UV 56 W + pH/ORP	<b>66140</b>	1	-	-
AP NEO/S (6 Gr/l) 32 Gr/h + UV 56 W + pH/ORP	<b>66141</b>	1	-	-
Optional: Compatible Fluidra Connect kit	<b>60363</b>	1	-	-



Fluidra Connect  
compatible

## Neolysis LS (1.5 - 3.0 g/L)

No need to add any extra salt. Natural conductivity in the operating range of 1.5–3 g/l depending on the temperature (28–35 °C) and nominal output (80–100%).

	Code	Pack. Standard	Weight kg Standard	Volume in m <sup>3</sup> Standard
AP NEO 12 Gr/h + UV 48 W	<b>57744</b>	1	-	-
AP NEO 24 Gr/h + UV 56 W	<b>57745</b>	1	-	-
AP NEO 32 Gr/h + UV 56 W	<b>57746</b>	1	-	-
AP NEO 12 Gr/h + UV 48 W + pH	<b>57747</b>	1	-	-
AP NEO 24 Gr/h + UV 56 W + pH	<b>57748</b>	1	-	-
AP NEO 32 Gr/h + UV 56 W + pH	<b>57749</b>	1	-	-
AP NEO 12 Gr/h + UV 48 W + pH/ORP	<b>57750</b>	1	-	-
AP NEO 24 Gr/h + UV 56 W + pH/ORP	<b>57751</b>	1	-	-
AP NEO 32 Gr/h + UV 56 W + pH/ORP	<b>57752</b>	1	-	-
Optional: Compatible Fluidra Connect kit (without lamp control)	<b>60363</b>	1	-	-



Fluidra Connect  
compatible

## Lamps for the Neolysis system in private pools

	Code	Pack. Standard	Weight kg Standard	Volume in m <sup>3</sup> Standard
48-W UV LP-10 lamps (Codes 57744, 57747, 57750, 66126, 66129, 66139)	<b>60559</b>	1	0.10	-
56-W UV LP-14 lamps (Codes 57745, 57746, 57748, 57749, 57751, 57752, 66127, 66128, 66130, 66138, 66140 and 66141)	<b>60606</b>	1	0.11	-
UV LP-10/14 quartz	<b>60607</b>	1	0.08	-



## UV AUTOMATIC DISINFECTION FOR RESIDENTIAL POOLS

### Neolysis electrodes for private pools



12 gr/h Neolysis electrode  
(Codes 57744, 57747, 57750)

Code	Pack. Standard	Weight kg Standard	Volume in m <sup>3</sup> Standard
<b>61116</b>	1	-	-

24 gr/h Neolysis electrode  
(Codes 57745, 57748, 57751)

<b>61117</b>	1	-	-
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32 gr/h Neolysis electrode  
(Codes 57746, 57749, 57752)

<b>61118</b>	1	-	-
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12 gr/h Neolysis-S (6 gr/l) electrode  
(Codes 66126, 66129, 66139)

<b>67807</b>	1	-	-
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24 gr/h Neolysis-S (6 gr/l) electrode  
(Codes 66127, 66130, 66140)

<b>67808</b>	1	-	-
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32 gr/h Neolysis-S (6 gr/l) electrode  
(Codes 66128, 66138, 66141)

<b>67809</b>	1	-	-
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UV LP S.S. and UV LP PE (LP = low pressure) systems are designed to be used in residential pools. They work on a wavelength of 254 nm, which is ideal for removing microorganisms. They will enable you to benefit from the latest ultraviolet light technology in the field of water treatment.

#### New features of LP S.S. & LP PE:

- Stainless steel and polyethylene versions.
- Double lamp version (LP30 and LP30+).
- Plastic injection power box.
- Fluidra technology (design and manufacturing).
- Lamp "ON" indicator.
- Electronic counter for working time and ignitions (lamp lifetime control).
- Flow switch (optional, included in LP+ versions).
- LP+ versions come with a built-in pH/ORP controller (complete package).
- LP+ versions come with a flow meter, pH/ORP electrodes and electrode holder (dosing pumps not included).

### Heliox UV LP S.S. for residential pools



Heliox UV LP 10

Code	Pack. Standard	Weight kg Standard	Volume in m <sup>3</sup> Standard
<b>52206</b>	1	-	-

Heliox UV LP 14

<b>52207</b>	1	-	-
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Heliox UV LP 25

<b>52208</b>	1	-	-
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Heliox UV LP 30

<b>52209</b>	1	-	-
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#### Version with pH/ORP Control (LP+):

Heliox UV LP 10 +

<b>52210</b>	1	-	-
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Heliox UV LP 14 +

<b>52211</b>	1	-	-
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Heliox UV LP 25 +

<b>52212</b>	1	-	-
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Heliox UV LP 30 +

<b>52213</b>	1	-	-
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### Heliox UV LP PE for residential pools



Heliox UV LP P10

Code	Pack. Standard	Weight kg Standard	Volume in m <sup>3</sup> Standard
<b>52214</b>	1	-	-

Heliox UV LP P14

<b>52215</b>	1	-	-
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Heliox UV LP P20

<b>52216</b>	1	-	-
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Heliox UV LP P25

<b>52217</b>	1	-	-
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#### Version with pH/ORP Control (LP+):

Heliox UV LP P10 +

<b>52218</b>	1	-	-
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Heliox UV LP P14 +

<b>52219</b>	1	-	-
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Heliox UV LP P20 +

<b>52220</b>	1	-	-
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Heliox UV LP P25 +

<b>52221</b>	1	-	-
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## UV AUTOMATIC DISINFECTION FOR RESIDENTIAL POOLS

Material	Code	Model	Code	Model	Flow rate (30 mJ/cm <sup>2</sup> )	Nº lamps	Rated / UV-C power	Total height (mm)	Ø reactor
Stainless steel	<b>52206</b>	UV LP 10	<b>52210</b>	UV LP 10+	10 m <sup>3</sup> /h	1	48 / 13 W	790	204
Stainless steel	<b>52207</b>	UV LP 14	<b>52211</b>	UV LP 14+	14 m <sup>3</sup> /h	1	56 / 18 W	790	204
Stainless steel	<b>52208</b>	UV LP 25	<b>52212</b>	UV LP 25+	25 m <sup>3</sup> /h	1	90 / 30 W	1033	204
Stainless steel	<b>52209</b>	UV LP 30	<b>52213</b>	UV LP 30+	30 m <sup>3</sup> /h	2	2 x 75 / 2 x 25 W	1033	204
PE	<b>52214</b>	UV LP P10	<b>52218</b>	UV LP P10+	10 m <sup>3</sup> /h	1	48 / 13 W	735	200
PE	<b>52215</b>	UV LP P14	<b>52219</b>	UV LP P14+	14 m <sup>3</sup> /h	1	56 / 18 W	735	200
PE	<b>52216</b>	UV LP P20	<b>52220</b>	UV LP P20+	20 m <sup>3</sup> /h	1	75 / 25 W	978	200
PE	<b>52217</b>	UV LP P25	<b>52221</b>	UV LP P25+	25 m <sup>3</sup> /h	1	90 / 30 W	978	200

## Heliox UV LP lamps



48-W UV LP-10 lamps  
(Codes 52206, 52210, 52214, 52218)

56-W UV LP-14 lamps  
(Codes 52207, 52211, 52215, 52219)

75-W UV LP-20 lamp  
(Codes 52216, 52220)

90-W UV LP-25 lamp  
(Codes 52208, 52212, 52217, 52221)

Kit of 2 x 75-W UV LP replacement lamps  
(Codes 52209, 52213)

UV LP-10/14 quartz  
(lamps 48 W and 56 W)

UV LP-20/25/30 quartz  
(lamps 75 W and 90 W)

	Code	Pack. Standard	Weight kg Standard	Volume in m <sup>3</sup> Standard
48-W UV LP-10 lamps (Codes 52206, 52210, 52214, 52218)	<b>60559</b>	1	0.100	-
56-W UV LP-14 lamps (Codes 52207, 52211, 52215, 52219)	<b>60606</b>	1	0.115	-
75-W UV LP-20 lamp (Codes 52216, 52220)	<b>60608</b>	1	0.200	-
90-W UV LP-25 lamp (Codes 52208, 52212, 52217, 52221)	<b>60609</b>	1	0.120	-
Kit of 2 x 75-W UV LP replacement lamps (Codes 52209, 52213)	<b>60637</b>	1	0.240	-
UV LP-10/14 quartz (lamps 48 W and 56 W)	<b>60607</b>	1	0.080	-
UV LP-20/25/30 quartz (lamps 75 W and 90 W)	<b>60631</b>	1	0.090	-



## UV-C TL

New

The Astral UV-C TL ensures that your pool water is kept clean, fresh and crystal clear at all times in the most efficient, environmentally friendly way possible. Easy to install and maintain. It has a built-in electronic ballast for running the power pack without problems. In addition, the stainless steel reactor reflects UV-C rays, thus increasing efficiency by as much as 35%. The 30- and 50-watt versions have a single lamp, whilst the 110-watt version has two 55-watt lamps in dual housing to increase contact time. Max. pressure: 2 bar. Comes with 3 connections (one closed with a blind cover) for easy installation. Also includes adaptors from Ø 63 mm to Ø 50 mm, with 1½ " female thread.

The reactor must be wired to earth.

	Code	Pack. Standard	Weight kg Standard	Volume in m <sup>3</sup> Standard
Astral UVC-30W TL	<b>71427</b>	1	-	-
Astral UVC-55W TL	<b>71428</b>	1	-	-
Astral UVC-110W TL	<b>71429</b>	1	-	-

Code	Flow rate of 30 mJ/cm <sup>2</sup>	Max. flow rate m <sup>3</sup> /h	Watt	Connection	Reactor material	Lamp service life
<b>71427</b>	8 m <sup>3</sup> /h	23	30	63/50/1.5"	316L	9000 h
<b>71428</b>	13 m <sup>3</sup> /h	23	55	63/50/1.5"	316L	9000 h
<b>71429</b>	20 m <sup>3</sup> /h	23	110 (2 x 55)	63/50/1.5"	316L	9000 h

## UV AUTOMATIC DISINFECTION FOR RESIDENTIAL POOLS



### UV-C PE

New

AstralPool has launched a new high quality UV-C PE in 30 and 50 watts. The unit has a reactor that is big in diameter to increase exposure time to UV-C radiation. Your pool water will be disinfected efficiently and safely. The units have rubber side caps that are splash-proof so that the lamp can be changed quickly. The unit can also be assembled in the opposite direction. It is therefore possible to choose the position of the input and output (left and right). The UV-C unit has a full PE reactor, which makes the device perfectly suited for pools with a salt chlorinator or salt water. The input has two 1½" female threaded connections. The rest of the opening will be used for the transparent plug supplied as the lamp's indicator. The UV-C unit comes with 25/32/40 mm hoses. The reactor must be wired to earth.

	Code	Pack. Standard	Weight kg Standard	Volume in m³ Standard
Astral UV-C PE 30W	71398	1	-	-
Astral UV-C PE 55W	71399	1	-	-

Code	Flow rate of 30 mJ/cm²	Max. flow rate m³/h	Watt	Connection	Reactor material	Lamp service life
71398	13.5 m³/h	20	30	1 ½" fem. Thr.	PE	9000 h
71399	18 m³/h	20	55	1 ½" fem. Thr.	PE	9000 h



### UV-C

All the UVC equipment is made using the latest technological design to ensure effective water flow through the unit, driving better UV light performance. Designed to bear pressures up to 4 bars. Power consumption is low, the whole of the electrical system is protected so that water can't enter and there is a thermal element to prevent power surges. The UVC units are distributed with two male threads of 1.5" / 50mm. The product is easy to install. Each unit is distributed with stainless steel anchoring fixtures for vertical or horizontal fastening.

	Code	Pack. Standard	Weight kg Standard	Volume in m³ Standard
	UVC-15AN	1	-	-
	UVC-25AN	1	-	-
	UVC-30AN	1	-	-
	UVC-55AN	1	-	-
	UVC-75AN	1	-	-

Code	Q flow rate (m³/h)	Dose mJ/cm²	Maximum volume (m³)	Light power (W)	Connections
UVC-15AN	1.70-7.50	30.0-6.8	15	75	1.5" / 50 mm
UVC-25AN	1.81-10.00	30.0-5.4	25	25	1.5" / 50 mm
UVC-30AN	3.81-15.00	30.0-7.6	30	30	1.5" / 50 mm
UVC-55AN	7.63-20.00	30.0-11.4	55	55	1.5" / 50 mm
UVC-75AN	9.17-25.00	30.0-11.0	75	75	1.5" / 50 mm



## DOSING PUMPS



## Exactus membrane dosing pumps



Exactus membrane dosing pumps.

All systems comply with EC regulations. IP-65 protection. Electrical connection: 220/240 V 50/60 Hz. Materials in contact with the liquid: Polypropylene, Viton, Teflon and PVC. Other valve models in different materials available on request. Includes anti-acid plastic housing. Touch sensitive moisture resistant indicator. Drainage valve included. Lubrication-free, minimal maintenance. On request, the unit can be supplied with outlet, level probe or other operating voltages.

Available materials:

Pump head: PP, and available in PVDF and PTFE to order

Diaphragm: PTFE

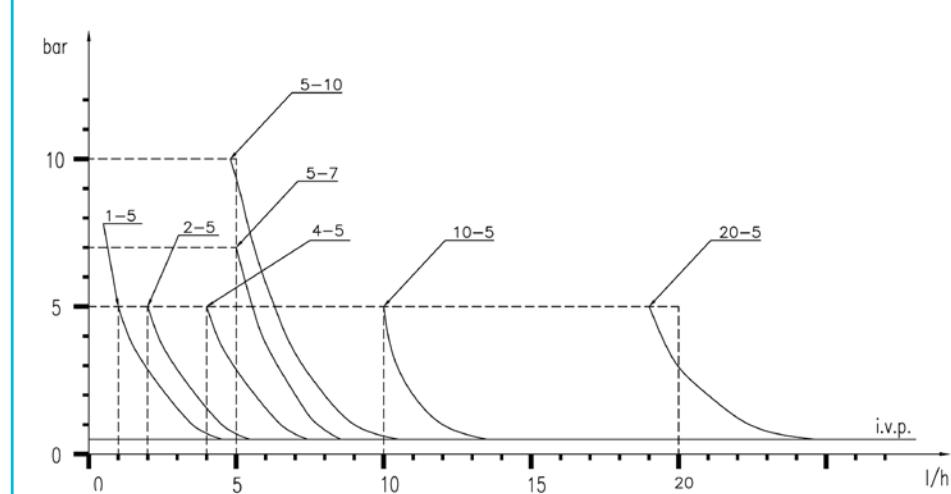
Valves: FPM lip valve (Viton) and other elastomers such as EPDM (Dutral), NBR (nitrile) and silicone available to order. Ceramic ball valves available.

Connections: 4 x 6 mm

Installation kit included with all pumps: full suction filter (PP-FPM by Viton), injection valve (PP-FPM by Viton), suction/return piping 2 m + 2 m PVC, 2-m PE distribution hose.



## EXACTUS PUMP PERFORMANCE CURVE



## Manual analogue Exactus model



Electronic dosing pump for wall mounting or horizontal base. Manually regulated flow rate. Regulation range: 0-100% and 0-20%. Acid resistant plastic housing.

		Code	Pack. Standard	Weight kg Standard	Volume in m <sup>3</sup> Standard
Manual Analog	2 l/h - 5 bar	57153	1	4	0.005
Manual Analog	2 l/h - 10 bar	57154	1	4	0.005
Manual Analog	5 l/h - 7 bar	57155	1	4	0.005
Manual Analog	5 l/h - 10 bar	57156	1	4	0.005
Manual Analog	10 l/h - 5 bar	57157	1	4	0.005
Manual Analog	20 l/h - 5 bar	57158	1	4	0.005

## DOSING PUMPS



Exactus manual digital model



Electronic dosing pump for wall mounting or horizontal base. Manually regulated flow rate with digital control for injection frequency. 3 digit display. Regulation range: 0-100%, with a scale of 1%. Product ready to incorporate level probe (not included). Acid resistant plastic housing.

		Code	Pack. Standard	Weight kg Standard	Volume in m <sup>3</sup> Standard
Manual Digital	2 l/h - 5 bar	57159	1	4	0.005
Manual Digital	5 l/h - 7 bar	57160	1	4	0.005
Manual Digital	5 l/h - 10 bar	57161	1	4	0.005
Manual Digital	10 l/h - 5 bar	57162	1	4	0.005
Manual Digital	20 l/h - 5 bar	57163	1	4	0.005



Exactus Proportional model



Proportional pump controlled by the mA signal. The pump may be connected to a transmitter/indicator instrument or to another device that feeds in an intensity-modulated signal of 0 to 20mA. The frequency drive of the pump will be proportional to the mA signal received, i.e. the higher the signal, the greater the pump flow rate. The pump can be set to work in reverse mode, i.e. the higher the signal, the lower the flow rate. This model can be adapted for other mA rates (0-20mA, 4-20mA, 20-4mA). Product can incorporate a level probe (sold separately)

		Code	Pack. Standard	Weight kg Standard	Volume in m <sup>3</sup> Standard
Proportional (4-20mA) 5 l/h- 7 bar		57164	1	4	0.005
Proportional (4-20mA) 5 l/h- 10 bar		57165	1	4	0.005
Proportional (4-20mA) 10 l/h- 5 bar		57166	1	4	0.005
Proportional (4-20mA) 20 l/h- 5 bar		57167	1	4	0.005



Exactus model pH / Rx



LCD backlit display screen.  
ON/OFF or proportional operating modes.  
0 ÷ 14 pH, -1000 ÷ 1400 mV, pH, RX (ORP) electrode input (10 tera-ohms), electrode not included  
Screen resolution of 0.01 pH; ± 1 mV.  
Product can incorporate a level probe (sold separately).

		Code	Pack. Standard	Weight kg Standard	Volume in m <sup>3</sup> Standard
pH / Rx 5 l/h - 7 bar		57892	1	4	0.005
pH / Rx 5 l/h - 10 bar		57893	1	4	0.005
pH / Rx 10 l/h - 5 bar		57894	1	4	0.005



Exactus Volumetric VFT model



Electronic dosing pump for mounting on base or wall. Proportional volumetric dosing pump that works from signals received from a flow meter. Can be operated in manual or automatic mode depending on the signals received. Product can incorporate a level probe (sold separately).

		Code	Pack. Standard	Weight kg Standard	Volume in m <sup>3</sup> Standard
Volumetric VFT 5 l/h - 7 bar		57174	1	4	0.005
Volumetric VFT 5 l/h - 10 bar		57175	1	4	0.005
Volumetric VFT 10 l/h - 5 bar		57176	1	4	0.005
Volumetric VFT 20 l/h - 5 bar		57177	1	4	0.005

Further information in PRODUCTS  
[www.astralpool.com](http://www.astralpool.com)

## DOSING PUMPS



## pH electrode

5-metre pH probe with plastic BNC connector.



Code	Pack. Standard	Weight kg Standard	Volume in m <sup>3</sup> Standard
<b>21538</b>	1	0.2	0.001



## RX electrode

5-metre RX probe with plastic BNC connector.



Code	Pack. Standard	Weight kg Standard	Volume in m <sup>3</sup> Standard
<b>21539</b>	1	0.3	0.001



## pH electrode kit

Includes pH electrode, buffer solutions, electrode holder, level probe. For Exactus.



Code	Pack. Standard	Weight kg Standard	Volume in m <sup>3</sup> Standard
<b>56122</b>	1	-	-



## RX electrode kit

Includes RX electrode, buffer solutions, electrode holder, level probe. For Exactus.



Code	Pack. Standard	Weight kg Standard	Volume in m <sup>3</sup> Standard
<b>56124</b>	1	-	-



## CL electrode

For CL Exactus model.



Code	Pack. Standard	Weight kg Standard	Volume in m <sup>3</sup> Standard
<b>45896</b>	1	-	-



## Electrode holder for chamber



Code	Pack. Standard	Weight kg Standard	Volume in m <sup>3</sup> Standard
<b>01305</b>	1	0.3	0.001



## Electrode holder (pressure)

For working with pressure.



Code	Pack. Standard	Weight kg Standard	Volume in m <sup>3</sup> Standard
<b>01306</b>	1	0.3	0.001

See the probes on the previous page

## DOSING PUMPS

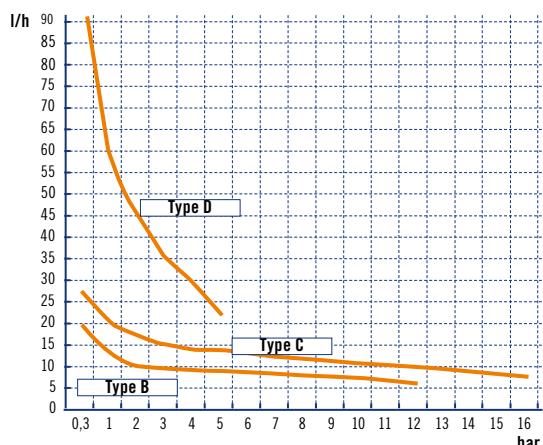
### Optima dosing pump

The OPTIMA dosing pump represents the development of more than 30 years of experience in the automatic dosing field. This new series reduces the number of pumps required to meet the various dosing needs.

The OPTIMA dosing pump series, with its new power supply technology from 90, VCA to 265 VCA and at 50-60 Hz, ensures a precision and reliability never seen before.

Integration of many functions due to its simple programming, an alphanumeric display, the possibility of multilingual programming of the menu and a new technology which permit controlled flow rate and back pressure. Allows to use the same model for various applications providing a great versatility.

Systems manufactured in compliance with EC standards. IP5 protection. 90-265V AC 50/60 Hz power supply. Components in contact with chemicals are made of polypropylene, Viton, Teflon and PVC. (Other materials are available if made to order.) Acid-resistant casing. Moisture-resistant membrane push buttons. Built-in purge valve. No lubrication and little maintenance work required. Electrodes and calibration solutions not included. Also available with a peristaltic pump (see page 490..



Sensors				
pH sensor with calibration solutions (Code: 36004)	●		●	
Redox sensor with calibration solutions (Code: 36005)		●		●



### OPTIMA constant flow rate analogue dosing pump



In OPTIMA constant flow rate analogue dosing pumps, the flow rate can be set as a percentage using the potentiometer under the front panel, which modifies the pump's operation frequency.

The pumps in this range have an level inlet probe.

**Double scale adjustment:** the maximum dosing frequency can be divided into 5. This double scale allows users to have two pumps with a single unit.

Power supply from 90 to 230 VCA at 50-60 Hz with plug and switch

Code	Pack. Standard	Weight kg Standard	Volume in m <sup>3</sup> Standard
------	-------------------	-----------------------	--------------------------------------

#### Adjustable manual Optima pump

B-type pump of 5–10 bar and 2–5 l/h

**57132** 1 3.5 0.01

C-type pump of 5 bar and 10 l/h

**57133** 1 4.5 0.01

D-type pump of 5 bar and 120 l/h

**57135** 1 4.5 0.01



### OPTIMA NEXT constant flow rate analogue dosing pump



The flow rate is fully adjustable from the flow meter. Power supply from 90 to 230 VCA at 50-60 Hz without plug.

Code	Pack. Standard	Weight kg Standard	Volume in m <sup>3</sup> Standard
------	-------------------	-----------------------	--------------------------------------

Adjustable Optima manual pump  
at 8 bar and 5 l/h

**66164** 1 - -

+ info

PDB  
Product Database

Check sensors on page 235



## DOSING PUMPS



## OPTIMA proportional and volumetric dosing pump

OPTIMA pumps provide all the functions of proportional dosing in a single model.

**Features:**

- Proportional with analogue signals 4 - 20 mA.
- Proportional with digital signals and the possibility of:
  - Multiplying the input impulses (1:n)
  - Dividing the input impulses (n:1)
  - Function in ppm
  - The pump has a memory function for processing input impulses dosing
- Level alarm with pump disconnection.
- Maximum dosing flow rate to prevent overdosing.
- Password for protecting programmed data
- Possibility of alarm connection
- Power supply from 90 to 265 VCA at 50-60 Hz with plug

	Code	Pack. Standard	Weight kg Standard	Volume in m <sup>3</sup> Standard
Type B Model 7-10 bar and 5 litres	57136	1	3.5	0.01
Type C Model 5 bar and 10 litres	57137	1	4.5	0.01
Type D Model 5 bar and 20 litres	57138	1	4.5	0.01



## OPTIMA NEXT proportional and volumetric dosing pump



OPTIMA pumps provide all the functions of proportional dosing in a single model.

**Features:**

- Proportional with analogue signals 4 - 20 mA.
- Reading of pulses/minute.
- Chemical product minimum level inlet.
- pulse entry for dosing proportional from pulse emitter counter
- Remote start/stop
- Power supply from 90 to 265 VCA at 50-60 Hz without plug

	Code	Pack. Standard	Weight kg Standard	Volume in m <sup>3</sup> Standard
Model 8 bar and 5 litres	66165	1	-	-



## OPTIMA PLUS dosing pump with pH or redox tester



OPTIMA dosing pump with built-in pH/Redox control. pH/Redox instrument.

Automatic calibration: Calibration by simply pressing a button, with the possibility of controlling the level of probe efficiency.

**Features:**

- 90-265 VAC 50/60 Hz power supply
- Manual temperature compensation for pH or optionally automatic via Pt100.
- 4...20mA output for printed register or transmission of the reading.
- Level alarm with pump disconnection or simple warning of lack of product by means of the alarm relay.
- Alarm notifying deactivation of the programmable setpoint across whole of the measurement range.
- Dosing delay time to stop the dosing pump from injecting product in event of poor sensor operation.
- of probe malfunction.
- Maximum dosing pump flow rate for preventing overdosing.
- Password for protecting programmed data
- Possibility of alarm connection

	Code	Pack. Standard	Weight kg Standard	Volume in m <sup>3</sup> Standard
Type C Optima Redox/pH control dosing pump (10 bar and 5 l/h and 5 bar and 10 l/h)	66179	1	4.5	0.01

Fluidra Connect  
compatible

**Probe not included.**  
**Probe holder not included**  
**(code 01306)**

- Optional
- PT100 sensor
- Flange for PT100

	Code	Pack. Standard	Weight kg Standard	Volume in m <sup>3</sup> Standard
Optional	66758	-	-	-
PT100 sensor	66759	-	-	-
Flange for PT100				

## DOSING PUMPS



Probe not included.  
Probe holder not included  
(code 01306)

### OPTIMA NEXT dosing pump with pH or redox tester

OPTIMA dosing pump with built-in pH/Redox control instrument.  
Automatic calibration by simply pressing a button, with the possibility of controlling the degree of probe efficiency.

**Features:**

- Power supply from 90 to 265 VCA at 50-60 Hz without plug
- Manual temperature adjustment for pH or optional automatic adjustment with PT100 (probe not included).
- Level control input.
- Remote off control.

Code	Pack. Standard	Weight kg Standard	Volume in m <sup>3</sup> Standard
------	-------------------	-----------------------	--------------------------------------

Optima Next dosing pump  
redox control/pH control at 8 bar and 5 l/h

**66166**

1



### Bracket for mounting above tank

Optional support for mounting the OPTIMA series and pH Basic horizontally; for example, above chemical solution tanks.

Code	Pack. Standard	Weight kg Standard	Volume in m <sup>3</sup> Standard
<b>36830</b>	1	0.1	0.002



### Peristaltic dosing pumps

90/260V 50/60 Hz electrical connection.

**The installation kit includes:**

- Transparent glass-type flexible 2-m PVC suction pipe.
- Semi-rigid white polyethylene 2-m return pipe.
- 3/8" BSP m. injection valve.
- Pool floor filter.

Code	Pack. Standard	Weight kg Standard	Volume in m <sup>3</sup> Standard
<b>57179</b>	1	-	-
<b>57178</b>	1	-	-

Peristaltic pump 4 l/h (3 bar)  
Peristaltic pump 12 l/h (1 bar)



### Polyethylene cylindrical tanks

To hold chemicals for dosage pumps.

Capacity: 125 l  
Capacity: 250 l  
Capacity: 350 l  
Capacity: 500 l  
Capacity: 1000 l

Code	Pack. Standard	Weight kg Standard	Volume in m <sup>3</sup> Standard
<b>01314</b>	1	4.5	0.120
<b>01315</b>	1	10.0	0.390
<b>01316</b>	1	14.0	0.510
<b>01317</b>	1	21.5	0.760
<b>28831</b>	1	-	-



### Manual stirrer

For Polyethylene tanks.

Length 60 cm  
Length 90 cm

Code	Pack. Standard	Weight kg Standard	Volume in m <sup>3</sup> Standard
<b>01318</b>	1	0.5	0.010
<b>01319</b>	1	1.2	0.020





## WATER METERS



## Woltman type turbine meters



Woltman type axial turbine water meter, with numerical counter readout, and numbered drums. Dry dial with magnetic transmission. Easily removable gearwork and turbine. Pre-set for pulse emission. IP-68 protection level. CYBLE type pulse emission.

	Code	Pack. Standard	Weight kg Standard	Volume in m <sup>3</sup> Standard
2" gauge - 50 mm	20430	1	12.0	0.004
2½" gauge - 65 mm	20431	1	13.6	0.004
3" gauge - 80 mm	20432	1	14.6	0.004
4" gauge - 100 mm	20433	1	20.0	0.006
5" gauge - 125 mm	20434	1	30.0	-
6" gauge - 150 mm	20435	1	36.0	0.009
8" gauge - 200 mm	20436	1	55.0	0.012
CYBLE type emitter K= 1 l/pulse	23235	1	-	-
CYBLE type emitter K= 10 l/pulse	23235-0010	1	-	-
CYBLE type emitter K= 100 l/pulse	23235-0100	1	-	-

## CONTROL DEVICES



## Electrically driven plastic valves - Nylon

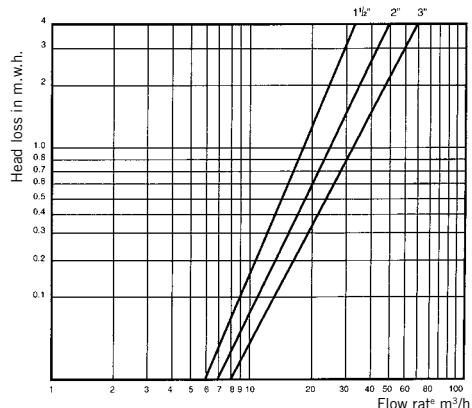


Threaded connection. Manually operated ON position Flow regulator. Stainless Steel AISI-302 spring. Maximum working pressure = 10 atm.

	Code	Pack. Standard	Weight kg Standard	Volume in m <sup>3</sup> Standard
1½" connections	09392	1	0.5	-
2" connections	56116	1	0.7	-
3" connections	57641	1	1.1	-

MODELS	09392	56116	57641
Connection	1½"	2"	3"
Min. pressure kg/cm <sup>2</sup>	1	1	1
Max. pressure kg/cm <sup>2</sup>	10	10	10
Maximum flow m <sup>3</sup> /h	30	40	60

## Pressure and flow diagrams



## 24 Volt. solenoids



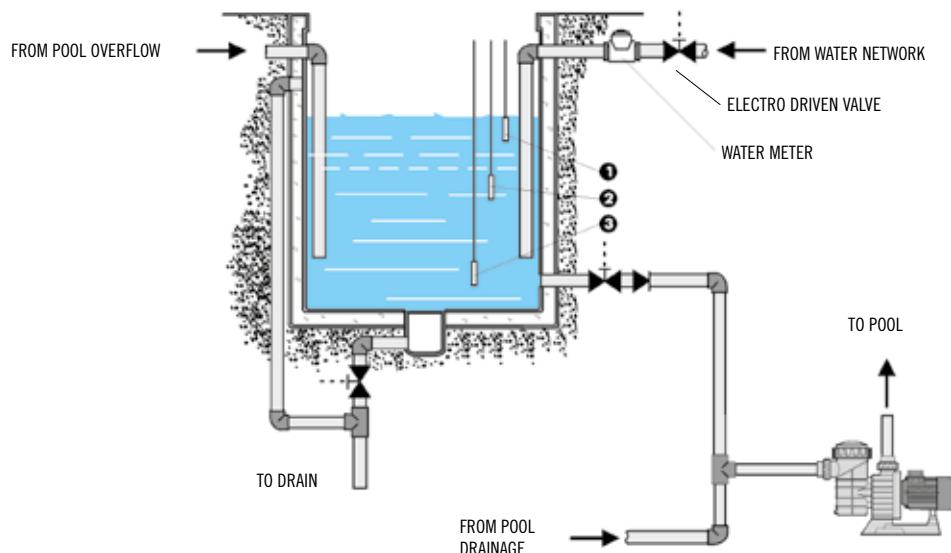
To install in electric valves with code 09392, 06935 and 06936.



Code	Pack. Standard	Weight kg Standard	Volume in m <sup>3</sup> Standard
09393	1	-	-

## CONTROL DEVICES

### BALANCE TANK INSTALLING DIAGRAM



- ① Maximum water level signal in BALANCE TANK for starting the pumping system
- ② Minimum water level signal in POOL for opening the electrically operated valve for make-up water.
- ③ Minimum level signal in BALANCE TANK for shutting down the pumping system.



#### Electronic operating panel for overflow pool balance tank

For overflow pool. Water level sensor with 2 m cable.

##### For 2 water levels control panel:

- \* Minimum safety level for pump operation: The pump stops working if water level doesn't have the minimum set level.
- \* Top-up level, whereby a signal is sent to the solenoid valve to top up the level of water in the pool. Signal to the valve at 220 V II and 24 V II.

Code	Pack. Standard	Weight kg Standard	Volume in m <sup>3</sup> Standard
12061	1	-	-

##### 3 water level control panel:

- \* Minimum safety level for pump operation: The pump stops working if water level reaches the minimum set level.
- \* Water make up level: Gives the solenoid water inlet valve, the opening signal to keep correct water level in balance tank. Solenoid valve signal in 220 V II & 24 V II.
- \* Forced start-up, so that the pump unit starts up when the balance tank overflows due to a burst pipe or non-return valve failure.

Code	Pack. Standard	Weight kg Standard	Volume in m <sup>3</sup> Standard
12062	1	-	-

Dual frequency (50/60 Hz)



## DOSING EQUIPMENT



## Floating dispenser

Allows for dosing and easy chemical product handling in the pool.

36620      69668

**Shark Series**

Floating dispenser for 200 g tablets

Code	Pack. Standard	Weight kg Standard	Volume in m <sup>3</sup> Standard
------	-------------------	-----------------------	--------------------------------------

36620      12      8.0      0.14

**Blue Line**

Dispenser with tablet level indicator

69668      12      3.8      0.067

38630      38629

**Basic Line**

Floating dispenser for 200 g tablets

38630      12      4.0      0.079

Floating dispenser for 20 g tablets

38629      12      4.0      0.030



## Dossi-5 in-line and Dossi-10 in-line Bromine feeders

Bromine dispenser. Manufactured from unalterable plastic materials (ABS). With regulation valve, manual purge, Venturi automatic depression purge, and opening key. For pools up to 45 m<sup>3</sup> with the Dossi-5 dispenser and up to 90 m<sup>3</sup> Dossi-10 dispenser. Connections 1½". Ø 200 mm.

Code	Pack. Standard	Weight kg Standard	Volume in m <sup>3</sup> Standard
------	-------------------	-----------------------	--------------------------------------

21438      1      3.7      0.031

Dossi-5 in-line. Height 486 mm.  
Approximate capacity: 5 kg of tablets

21439      1      4.8      0.049

Dossi-10 in-line. Height 725 mm.  
Approximate capacity: 10 kg of tablets

## Chlorine and Bromine Feeder Dossi-5 and Dossi-10 off-line

Bromine and Chlorine feeder. Manufactured from unalterable plastic materials (ABS). Approximate capacity: 5 kg of tablets for Dossi-5 and 10 kg for Dossi-10. Supplied with two valves in order to stop the water flow. Height 486 mm and Ø 200 mm. Connections Ø 20 mm.

Code	Pack. Standard	Weight kg Standard	Volume in m <sup>3</sup> Standard
------	-------------------	-----------------------	--------------------------------------

01413      1      3.7      0.031

Dossi-5 off-line For pools up to 100 m<sup>3</sup>

43998      1      4.86      0.048

Dossi-10 off-line For pools up to 200 m<sup>3</sup>

	Volume of chlorine-treated pools	Volume of bromine-treated pools
Dossi 5	20 m <sup>3</sup> - 80 m <sup>3</sup>	4 m <sup>3</sup> - 50 m <sup>3</sup>
Dossi 10	20 m <sup>3</sup> - 160 m <sup>3</sup>	4 m <sup>3</sup> - 100 m <sup>3</sup>

## DOSING EQUIPMENT

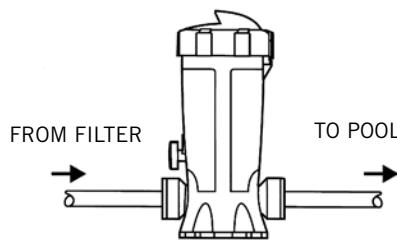


## Chlorine and Bromine Feeder 3.5 kg Dossi-3

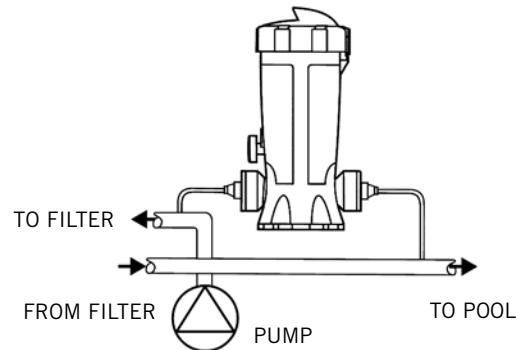
Chlorine and Bromine feeder. Manufactured from unalterable plastic materials (ABS). Approximate capacity: 3.5 kg of tablets. Lid closing with double safety system. Easy to operate regulation valves. For pools up to 60 m<sup>3</sup> with Chlorine and up to 30 m<sup>3</sup> with Bromine. Height: 405 mm.

	Code	Pack. Standard	Weight kg Standard	Volume in m <sup>3</sup> Standard
<b>Dossi-3, in-line</b> For direct connection to pipework With 1½" connectors	<b>24429</b>	1	1.81	0.03
<b>Dossi-3 off-line</b> For by-pass connection with flexible tube	<b>24430</b>	1	1.90	0.031

Code 24429 IN-LINE



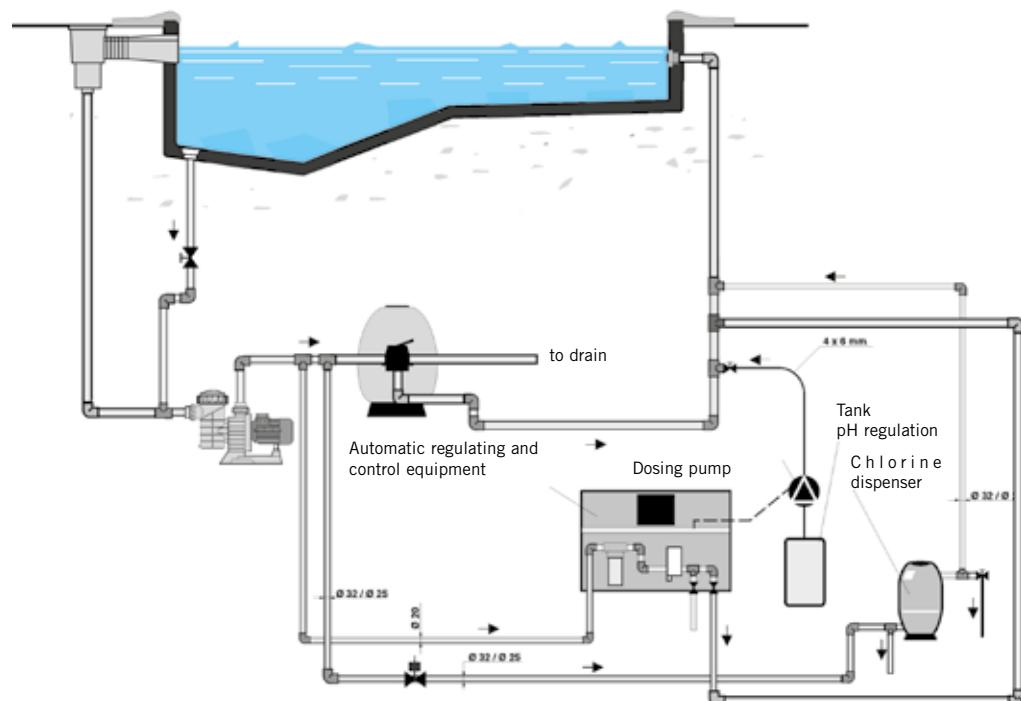
Code 24430 OFF-LINE





## DOSING EQUIPMENT

## INSTALLATION DIAGRAM OF CHLORINE/BROMINE DOSING UNITS AND AUTOMATIC REGULATING AND CONTROL EQUIPMENT



## Compact dosage tank



Trichlor and Bromine tablet dosage unit with automatic safety valve. Made out of fibreglass and polyester.

	Code	Pack. Standard	Weight kg Standard	Volume in m <sup>3</sup> Standard
--	------	-------------------	-----------------------	--------------------------------------

**Compact dosage tank 40 l**

Trichlor (for pools from 200 to 500 m<sup>3</sup>)  
Bromine (for pools from 150 to 300 m<sup>3</sup>)

16631

1

15

0.134

**Compact dosage tank 60 l**

Trichlor (for pools from 500 to 1000 m<sup>3</sup>)  
Bromine (for pools from 300 to 450 m<sup>3</sup>)

16632

1

18

0.190



## Safety valve kit



PVC safety valve, with a spring and metallic pull ring. Opening pressure 2.5 - 3 bar (Kg/cm<sup>2</sup>).

	Code	Pack. Standard	Weight kg Standard	Volume in m <sup>3</sup> Standard
--	------	-------------------	-----------------------	--------------------------------------

For 40 l dosage tank  
For 60 l dosage tank

16633

1

0.4

0.002

16634

1

0.4

0.002



## CLEANING EQUIPMENT

- 245 • Automatic top access cleaners
- 251 • Automatic filter bag cleaners
- 252 • Pool cleaner accessories
- 252 • Automatic pool cleaners
- 253 • Manual pool cleaners - Blue Line Range
- 255 • Manual pool cleaners - Shark Range
- 256 • Manual pool cleaners - Classic Range
- 259 • Net'n'Clean Integrated Cleaning System
- 261 • Hoses

## TOP ACCESS AUTOMATIC CLEANERS (AND BAG)

Comparative table of automatic cleaners for private pools

											
MODELS	Sonic 4	Sonic 5	R3	R5	R7	Pulit Advance+ 3	Pulit Advance+ 5	Pulit Advance+ 7 Duo	AstralPool H3 DUO	AstralPool H5 DUO	AstralPool H7 DUO
<b>Code</b>	<b>66386</b>	<b>68056</b>	<b>66666</b>	<b>66665</b>	<b>67981</b>	<b>67975</b>	<b>63176</b>	<b>67976</b>	<b>63179</b>	<b>66016</b>	<b>69967</b>
<b>Bottom</b>	Yes	Yes	Yes	Yes	Yes						
<b>Walls</b>	Yes	Yes	No	Yes	Yes	No	Yes	Yes	No	Yes	Yes
<b>Water line</b>	No	Yes	No	No	Yes	Yes	Yes	Yes	No	Yes	Yes
<b>Technology</b>	Robotics <sup>(2)</sup>										
<b>Remote control</b>	No	No	No	No	Yes, APP	No	No	Yes, APP	No	No	Yes, APP
<b>Cleaning cycles (h)</b>	2	1.5 / 2	1,5	2	1.5 / 2 / 2.5	1,5	1.5 / 2	1.5 / 2 / 2.5	1.5 / 2	1.5 / 2	1.5 / 2 / 2.5
<b>Aquasmart</b>	Yes	Yes	Yes	Yes	Yes						
<b>Smart Gyro navigation system</b>	Yes	Yes	Yes	Yes	Yes						
<b>External programmer option</b>	Yes	Yes	Yes	Yes	Yes						
<b>Built-in programmer</b>	No	No	No	No	Yes	No	No	Yes	No	No	Yes
<b>LED indicator (filter full)</b>	No	Yes	No	No	Yes	No	Yes	Yes	Yes	Yes	Yes
<b>Electronic swivel</b>	Yes	Yes and mechanical				Yes	Yes	Yes	Yes	Yes	Yes
<b>Pool shape selector</b>	No	No	No	No	Yes	No	No	Yes	No	No	Yes
<b>Obstacle detector</b>	Yes	Yes	Yes	Yes	Yes						
<b>Length of cable (m)</b>	14	18	16	16	18	16	18	18	18	18	18
<b>Caddy</b>	No	Caddy	No	No	No	No	Caddy	Caddy	Trolley	Trolley	Trolley
<b>Rate of suction (m<sup>3</sup>/h)</b>	19	19	20	20	19	19	19	20	20	20	20
<b>Filter type</b>	Bottom Access - Bag	Bottom Access - Bag	Top Access - Easy View 3D	Top Access - Easy View 3D	Top Access - Easy View 3D	Top Access - 3D	Top Access - 3D	Top Access - 3D	Top Access - Easy View 3D	Top Access - Easy View 3D	Top Access - Easy View 3D
<b>Extra-deep cleaning system</b>	No	No	Max scrubber	Max scrubber	Max scrubber	No	Vibrating brush	Vibrating brush	Vibrating brush	Vibrating brush	Vibrating brush
<b>Adjustable suction nozzles</b>	No	No	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
<b>Brushes / Wheels</b>	PVA brush	PVA brush	PVA wheels	PVA wheels	PVA wheels	PVA wheels	PVA brush	PVA brush	PVA brush	PVA brush	PVA brush
<b>Power pack</b>	Basic SPS	SPS 100	Basic SPS	Basic SPS	SPS APP	Basic SPS	SPS 100	SPS APP	SPS 100	SPS 100	SPS APP
<b>Electrical specifications</b>	230 V/ 50 Hz / 150 W	230 V/ 50 Hz / 150 W	100-250 V/ 50-60 Hz / 210 W	100-250 V/ 50-60 Hz / 210 W	100-250 V/ 50-60 Hz / 210 W	100-250 V/ 50-60 Hz / 210 W	100-250 V/ 50-60 Hz / 210 W	100-250 V/ 50-60 Hz / 210 W	100-250 V/ 50-60 Hz / 210 W	100-250 V/ 50-60 Hz / 210 W	100-250 V/ 50-60 Hz / 210 W

(1) Hydrorobotic technology vacuums and moves the pool cleaner with just one motor.

(2) Hydrorobotic technology uses one or two motors for moving the pool cleaner.



Robots

Further information at  
robots.astralpool.com



The leading model

## TOP ACCESS AUTOMATIC CLEANERS

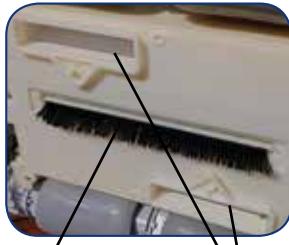


AstralPool HDuo is our leading model of robotic pool cleaners. Its cutting-edge technology and contemporary design make it our top-of-the-range cleaner for private pools.



### Gyro Technology

This new smart navigation system will ensure your pool is thoroughly cleaned every time. It avoids all types of obstacles and has a tangle-free power cable.



Vibrating brush

Raised adjustable suction nozzles for better suction



### MORE POWERFUL MORE EFFICIENT MORE RELIABLE

Advantages of a single platform and a block comprising 2 motors and 1 filtration pump:

- Improved power transmission.
- More effective vibration cleaning brush.
- Lasts longer: no drive belts required and enhanced motor seals.
- Enhanced features: double traction motor + Gyro system.
- Easy for customers to repair: 4 screws to replace the motor block and direct access to gears and bearings.
- Recommended for gradients of up to 30°.



MODELS	<b>H3</b> DUO	<b>H5</b> DUO	<b>H7</b> DUO
<b>Code</b>	63179	66016	69967
<b>Bottom</b>	Yes	Yes	Yes
<b>Walls and water line</b>	No	Yes	Yes
<b>Remote control</b>	No	No	Yes, with APP
<b>Cleaning cycles (h)</b>	1.5 / 2	1.5 / 2	1.5 / 2 / 2.5
<b>Aquasmart</b>	Yes	Yes	Yes
<b>Gyro navigation system</b>	Yes	Yes	Yes
<b>External programmer option</b>	Yes	Yes	Yes
<b>Built-in programmer</b>	No	No	Yes
<b>LED indicator (filter full)</b>	Yes	Yes	Yes
<b>Electronic swivel</b>	Yes	Yes	Yes
<b>Length of cable (m)</b>	18	18	18
<b>Maximum pool length (m)</b>	15	15	15
<b>Maximum pool surface area (m<sup>2</sup>)</b>	100	100	100
<b>Caddy</b>	Trolley	Trolley	Trolley
<b>Rate of suction (m<sup>3</sup>/h)</b>	20	20	20
<b>Filter type</b>	Top access - Easy view	Top access - Easy view	Top access - Easy view
<b>Extra-deep cleaning system</b>	Vibrating brushes	Vibrating brushes	Vibrating brushes
<b>Adjustable suction nozzles</b>	Yes	Yes	Yes
<b>Drive motors</b>	2	2	2
<b>Suction motors</b>	1	1	1
<b>Brushes / Wheels</b>	PVA brushes	PVA brushes	PVA brushes
<b>Power pack</b>	SPS 100	SPS 100	SPS APP
<b>Required power supply</b>	100-259 V / 50-60 Hz / 210 W	100-259 V / 50-60 Hz / 210 W	100-259 V / 50-60 Hz / 210 W



Robots

Further information at  
robots.astralpool.com

## AUTOMATIC TOP ACCESS CLEANERS

**Three-dimensional filters**

Comes with a new ultrafine 3D filter as a standard feature.

**LED indicator**

The LED indicator shows when the filter is full.

**Easy view**

The transparent windows make it easy to see the level of debris.

**Easy open**

The filters are easy to reach from the top of the cleaner.

**Clean hands**

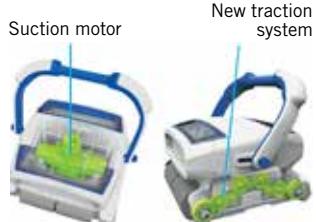
There is no need to come into contact with the dirt to clean the filter.

**PVA brushes**

The best quality for a better grip on stick surfaces.

**Adjustable suction nozzles**

Maximum suction.

**Cleaning Bottom****Pool size 100 m<sup>2</sup>****Cleaning cycles 1.5 H / 2 H****Cable 18 m****Cleaning Bottom, walls and water line****Pool size 100 m<sup>2</sup>****Cleaning cycles 1.5 H / 2 H****Cable 18 m****Cleaning Bottom, walls and water line****Pool size 100 m<sup>2</sup>****Cleaning cycles 1.5 H / 2 H / 2.5 H****Cable 18 m**

All units come with a 3-year warranty.



Video available

H3 Duo pool cleaner  
 H5 Duo pool cleaner  
 H7 Duo APP pool cleaner

Code	Pack. Standard	Weight kg Standard	Volume in m <sup>3</sup> Standard
63179	-	17.5	16
66016	-	17.5	16
69967	-	17.5	16



Robots

Further information at  
robots.astralpool.com

## AUTOMATIC TOP ACCESS CLEANERS

**PULIT+  
advance**

The experts' choice



AstralPool's Pulit Advance + cleaners are robust, reliable and efficient. Top-of-the-range cleaners with Gyro, 3D filters in the classic version with 2 motors are features that make it the expert's choice.



Front



Side



Bottom



Top

	<b>PULIT+ advance 3</b>	<b>PULIT+ advance 5</b>	<b>PULIT+ advance 7 duo</b>
<b>Code</b>	67975	63176	67976*
<b>Bottom</b>	Yes	Yes	Yes
<b>Walls</b>	No	Yes	Yes
<b>Remote control from app</b>	No	No	Yes
<b>Cleaning cycles (h)</b>	1,5	1.5 / 2	1.5 / 2 / 2.5
<b>Aquasmart</b>	Yes	Yes	Yes
<b>Possibility of external programmer</b>	Yes	Yes	Yes
<b>Built-in programmer</b>	No	No	Yes
<b>Filter dirt level indicator</b>	No	Yes	Yes
<b>Smart Gyro navigation system</b>	Yes	Yes	Yes
<b>Pool shape selector</b>	No	No	Yes
<b>Obstacle detector</b>	No	No	Yes
<b>Length of floating cable (m)</b>	16	18	18
<b>Caddy</b>	No	Caddy	Caddy
<b>Rate of suction (m<sup>3</sup>/h)</b>	19	19	20
<b>Filter type</b>	Top Access - 3D	Top Access - 3D	Top Access - 3D
<b>Extra-deep cleaning system</b>	No	Vibrating brush	Vibrating brush
<b>Adjustable suction inlet</b>	No	Yes	Yes
<b>Drive motor</b>	24V DC brushless	24V DC brushless	Block with 2 motors
<b>Suction motor</b>	24V DC brushless	24V DC brushless	In block
<b>Brushes / Wheels</b>	PVA brush	PVA brush	PVA brush
<b>Power pack</b>	SPS Basic	SPS 100	SPS APP
<b>Required power supply</b>	100-259 V/ 50-60 Hz / 210 W	100-259 V/ 50-60 Hz / 210 W	100-259 V/ 50-60 Hz / 210 W

\*While stocks last



Robots

Further information at  
robots.astralpool.com

## AUTOMATIC TOP ACCESS CLEANERS

**Three-dimensional filters**

Comes with a new ultrafine 3D filter as a standard feature.

**LED indicator**

The LED indicator shows when the filter is full.

**Easy open**

The filters are easy to reach from the top of the cleaner.

**Clean hands**

There is no need to come into contact with the dirt to clean the filter.

**PVA brushes**

The best quality for a better grip on stick surfaces.

**Adjustable suction nozzles**

Maximum suction.

**PULIT+  
advance<sup>3</sup>**
**Cleaning  
Bottom**

**Pool size  
60 m<sup>2</sup>**

**Cleaning cycles  
1.5 H**

**Cable  
16 m**
**PULIT+  
advance<sup>5</sup>**
**Cleaning  
Bottom, walls and water line**

**Pool size  
80 m<sup>2</sup>**

**Cleaning cycles  
1.5 H / 2 H**

**Cable  
18 m**
**PULIT+  
advance<sup>7</sup><sub>d</sub>uo**
**Cleaning  
Bottom, walls and water line**

**Pool size  
100 m<sup>2</sup>**

**Cleaning cycles  
1.5 H / 2 H / 2.5 H**

**Cable  
18 m**

*Aquabot RC app for  
iOS and Android*

*Bluetooth remote control*

	Code	Pack. Standard	Weight kg Standard	Volume in m <sup>3</sup> Standard
Pulit Advance+ 3 pool cleaner	67975	1	-	-
Pulit Advance+ 5 pool cleaner	63176	1	-	-
Pulit Advance+ 7Duo pool cleaner	67976	1	-	-



Robots

Further information at  
robots.astralpool.com

## AUTOMATIC TOP ACCESS CLEANERS



The 4x4 filter bag



One wheel type for all type of pool surface



Rotary brush  
Raised adjustable suction nozzles for better suction



Cartridge with 3D filter

Series R cleaners come with Gyro technology

Their elegant design, ergonomic features and ease of use make them the best smart pool cleaners in the market.



	R3	R5	R7
<b>Code</b>	66666	66665	67981
<b>Bottom</b>	Yes	Yes	Yes
<b>Walls</b>	No	Yes	Yes
<b>Remote control from app</b>	No	No	Yes
<b>Cleaning cycle (h)</b>	1,5	2	1.5 / 2 / 2.5
<b>Aquasmart</b>	Yes	Yes	Yes
<b>Possibility of external programmer</b>	Yes	Yes	Yes
<b>Built-in programmer</b>	No	No	No
<b>Filter dirt level indicator</b>	No	No	Yes
<b>Gyro navigation system</b>	Yes	Yes	Yes
<b>Length of the pool (m)</b>	8	10	12
<b>Pool shape selector</b>	No	No	Yes
<b>Obstacle detector</b>	Yes	Yes	Yes
<b>Length of floating cable (m)</b>	16 with Swivel	16 with Swivel	18 with advanced swivel
<b>Mechanical swivel</b>	Yes	Yes	Yes
<b>Caddy</b>	No	No	No
<b>Rate of suction (m³/h)</b>	20	20	19
<b>Filter type</b>	Top Access - Easy View 3D	Top Access - Easy View 3D	Top Access - Easy View 3D
<b>Additional brush</b>	Max scrubber	Max scrubber	Max scrubber
<b>Adjustable suction inlet</b>	Yes	Yes	Yes
<b>Drive motor</b>	24V DC	24V DC	24V DC
<b>Suction motor</b>	24V DC	24V DC	24V DC
<b>Brushes / Wheels</b>	4wd, PVA	4wd, PVA	4wd, PVA
<b>Power pack</b>	Basic SPS	Basic SPS	SPS APP
<b>Required power supply</b>	100-250 V/ 50-60 Hz / 210 W	100-250 V/ 50-60 Hz / 210 W	100-250 V/ 50-60 Hz / 210 W



Robots

Further information at  
robots.astralpool.com

## AUTOMATIC TOP ACCESS CLEANERS

## Three-dimensional filters

Comes with a new ultrafine 3D filter as a standard feature.

## Easy view

The transparent windows make it easy to see the level of debris.

## Easy open

The filters are easy to reach from the top of the cleaner.

## Clean hands

There is no need to come into contact with the dirt to clean the filter.

## PVA wheels

The best quality for a better grip on stick surfaces.

## Raised adjustable suction nozzles

Maximum suction.



**Cleaning**  
**R3: Floor - R5: Floor, walls and waterline**



**Pool size**  
**50 m<sup>2</sup> (R3) / 60 m<sup>2</sup> (R5)**



**Cleaning cycles**  
**R3: 1.5 H - R5: 2 H**



**Cable**  
**16 m long, with mechanical swivel**



**Cleaning**  
**Bottom, walls and water line**



**Pool size**  
**80 m<sup>2</sup>**



**Cleaning cycles**  
**1.5 H / 2 H / 2.5 H**



**Cable**  
**"18 m, with advanced swivel**



Aquabot RC app for iOS and Android

	Code	Pack. Standard	Weight kg Standard	Volume in m <sup>3</sup> Standard
R3 pool cleaner	66666	1	-	-
R5 pool cleaner	66665	1	-	-
R7 pool cleaner	67981	1	-	-

R3 pool cleaner  
R5 pool cleaner  
R7 pool cleaner



New advanced swivel



Video available

## AUTOMATIC FILTER BAG CLEANERS



The Sonic range comprises electronic pool cleaners with a classic filter bag with the option to change it for a cartridge filter that is easier to clean.



**2-year warranty**

### Sonic 4



Electronic pool cleaner with the classic filtration bag. Delivers high quality filtration and has a great waste storage capacity. Sonic covers the whole of a pool floor in a 2-h cycle. It has 14 m of cable, PVA brushes and high quality DC brushless motors (1 pump motor and 1 drive motor).

	Code	Pack. Standard	Weight kg Standard	Volume in m <sup>3</sup> Standard
Sonic 4 pool cleaner	<b>66386</b>	1	-	-
<b>Option</b> Convertible cartridge compatible with all bag pool cleaners	<b>AS6405300</b>	1	-	-



AS6405300 - Optional



Standard feature



**3-year warranty**

### Sonic 5



Electronic pool cleaner with the classic filtration bag and convertible cartridge as a standard feature. Delivers high quality filtration and has a great waste storage capacity. The Sonic 5 covers the whole of a pool's floor walls and water line in a 1.5 or 2-hour cycle. It comes with a caddy, 18 m of cable with mechanical swivel, PVA brushes and high quality DC brushless motors (1 pump motor and 1 traction motor). Has LED indicator that

	Code	Pack. Standard	Weight kg Standard	Volume in m <sup>3</sup> Standard
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shows when filter is full.  
Sonic 5 pool cleaner

**68056** 1



Standard feature



Standard feature



Transformer



Swivel



## POOL CLEANER ACCESSORIES



### Pump caddy for stand-alone pool cleaners

Made of anodised aluminium tube and a 460 mm x 370 mm plastic platform. Face plate in AISI-304 stainless steel.

Code	Pack. Standard	Weight kg Standard	Volume in m <sup>3</sup> Standard
<b>04648</b>	1	8.06	0.12

## AUTOMATIC POOL CLEANERS



### Splasher

New diaphragm pool cleaner, which requires less suction power thus resulting in less wear and tear in the filter and pump. Floating arm for a more thorough clean. Deflector wheel: used to guide the cleaner to avoid steps and other obstacles. Stabilised hose for withstanding UV rays and a UV-protected body. Exceptional manoeuvrability. The diaphragm is the only moving part and is easy to replace. The weight of the hose ensures the cleaner does not topple over when it moves around the pool. Supplied with 9 hose extensions (9 x 1 m).

Code	Pack. Standard	Weight kg Standard	Volume in m <sup>3</sup> Standard
<b>66281</b>	1	-	-

Splasher suction cleaner



### Mamba

Mamba can be installed in minutes without any tools and requires no alteration to your pool. It can be adopted to flat-bottomed or sloped pools and can be used in above ground pools. It is connected directly to the skimmer or the suction line. It works by suction with no need of electricity using the existing filtration system (4m<sup>3</sup>/h minimum). It is supplied with a 10 m special hose for greater efficiency. It is a cleaner and also a mobile main drain. It is supplied with a pressure regulator to ensure constant flow.

Code	Pack. Standard	Weight kg Standard	Volume in m <sup>3</sup> Standard
<b>60092</b>	1	8.1	0.061

Mamba suction cleaner

## MANUAL POOL CLEANERS - BLUE LINE RANGE

*Blue Line*  
ASTRALPOOL A<sup>®</sup>



Blue Line manual suction cleaner - wing-nut fastening

- 1 ½" 350 flexible pool cleaner
- 1 ½" 350 aluminium pool cleaner
- Triangular pool cleaner
- Oval pool cleaner

	Code	Pack. Standard	Weight kg Standard	Volume in m <sup>3</sup> Standard
69661	69661	6	6.6	0.053
	69673	6	-	-
	69663	6	-	-
	69664	6	-	-



69673



69664



69656

Blue Line wall brush - wing-nut fastening

- Adjustable handle wall brush (48 cm)
- Fixed handle wall brush (50 cm)
- Multifunction manual brush

	Code	Pack. Standard	Weight kg Standard	Volume in m <sup>3</sup> Standard
69656	69656	12	2.5	0.04
	69658	12	3.9	0.04
	69669	24	-	-



69658



69669

## MANUAL POOL CLEANERS - BLUE LINE RANGE

*Blue Line*  
ASTRALPOOL A<sup>®</sup>



69665

Blue Line leaf skimmer - wing-nut fastening

- Plastic flat leaf skimmer
- Plastic net leaf skimmer fixed handle
- Aluminium net leaf skimmer

	Code	Pack. Standard	Weight kg Standard	Volume in m <sup>3</sup> Standard
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**69665** 12 - -

**69666** 12 - -

**69667** 12 - -



69666



69667

Blue Line handles - wing-nut fastening



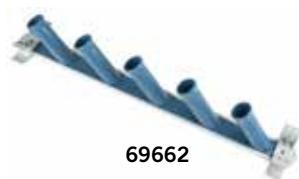
69659 - 69660

- 1.8-3.6 m easy regulation aluminium handle
- 2.4-4.8 m easy regulation aluminium handle

	Code	Pack. Standard	Weight kg Standard	Volume in m <sup>3</sup> Standard
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**69659** 12 - -

**69660** 12 - -



Blue Line cleaning material wall bracket

- Cleaning material wall bracket

	Code	Pack. Standard	Weight kg Standard	Volume in m <sup>3</sup> Standard
--	------	-------------------	-----------------------	--------------------------------------

**69662** 6 - -



69668

Blue Line floating dispenser

- Floating dispenser for 200g tablets

	Code	Pack. Standard	Weight kg Standard	Volume in m <sup>3</sup> Standard
--	------	-------------------	-----------------------	--------------------------------------

**69668** 12 - -



**ASTRALPOOL** A<sup>®</sup>

## MANUAL POOL CLEANERS - SHARK RANGE

### Shark pool cleaner - wing-nut or wishbone fixing

	Code	Pack. Standard	Weight kg Standard	Volume in m <sup>3</sup> Standard
Shark Flexo pool cleaner	<b>36618</b>	6	9.9	0.04
Shark Oval pool cleaner	<b>40997</b>	5	6.4	0.04
Shark Injected Aluminium pool cleaner	<b>41625</b>	4	6.5	0.035
Shark Triangular pool cleaner	<b>36619</b>	4	5.2	0.04



36618

40997

41625

36619

### Shark brushes - wing-nut or wishbone fixing

	Code	Pack. Standard	Weight kg Standard	Volume in m <sup>3</sup> Standard
Shark special bottom curved brush	<b>36615</b>	10	3.7	0.04
Shark bottom/walls curved brush	<b>36616</b>	15	4.2	0.04
Shark corner suction brush	<b>36617</b>	12	2.4	0.04



36615

36616

36617



36613

36614

### Shark leaf skimmers - wing-nut or wishbone fixing

	Code	Pack. Standard	Weight kg Standard	Volume in m <sup>3</sup> Standard
Shark water surface leaf skimmer	<b>36613</b>	15	6.2	0.14
Shark deep water leaf skimmer	<b>36614</b>	15	6.5	0.14



38422 - 38423

### Shark telescopic pole - wing-nut or wishbone fixing

	Code	Pack. Standard	Weight kg Standard	Volume in m <sup>3</sup> Standard
Shark 1.8 - 3.6 m telescopic pole	<b>38422</b>	10	11.7	0.05
Shark 2.4 - 4.8 m telescopic pole	<b>38423</b>	10	14.4	0.06



### Shark floating dispenser for 5 tablets

	Code	Pack. Standard	Weight kg Standard	Volume in m <sup>3</sup> Standard
Floating dispenser for 5 tablets 200 g Shark	<b>36620</b>	1	-	-



### Shark submersible analogue thermometer

	Code	Pack. Standard	Weight kg Standard	Volume in m <sup>3</sup> Standard
Shark submersible analogue thermometer	<b>36622</b>	10	2.8	0.04



## MANUAL POOL CLEANERS - CLASSIC RANGE

### Classic pool cleaner - wing-nut fastening



01355 - 01356

Classic extruded aluminium pool cleaner  
1 ½" connection 350 mm

Code	Pack. Standard	Weight kg Standard	Volume in m <sup>3</sup> Standard
------	-------------------	-----------------------	--------------------------------------

01355 4 10.2 0.04

Classic extruded aluminium pool cleaner  
2" connection 450 mm

01356 4 12.2 0.06



01405

Classic PP bristle 330mm straight brush  
Classic S.S. bristle 165mm straight brush  
Classic PP bristle 180mm straight brush

Code	Pack. Standard	Weight kg Standard	Volume in m <sup>3</sup> Standard
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01405 - - -



01407

Classic S.S. bristle 165mm straight brush

01407 20 9.0 0.018



09456

09456 14 6.1 0.177



### Classic brush holder - wing-nut fastening

Code	Pack. Standard	Weight kg Standard	Volume in m <sup>3</sup> Standard
------	-------------------	-----------------------	--------------------------------------

Classic water surface leaf skimmer  
with handle incorporated

01400 1 - -



### Classic fixed handle - wing-nut fastening

Code	Pack. Standard	Weight kg Standard	Volume in m <sup>3</sup> Standard
------	-------------------	-----------------------	--------------------------------------

Classic fixed handle 2.5 m

01365 12 10.2 0.06



### Classic pool cleaner - wishbone fixing

Code	Pack. Standard	Weight kg Standard	Volume in m <sup>3</sup> Standard
------	-------------------	-----------------------	--------------------------------------

#### Extruded aluminium pool cleaner

1 ½" connection 350 mm  
2" connection 450 mm  
1 ½" connection 450 mm

01353 4 11.8 0.04  
01354 4 15.5 0.06  
08661 4 15.5 0.06

01353-01354-08661



## MANUAL POOL CLEANERS - CLASSIC RANGE

Classic public pool aluminium pool cleaner - wishbone fixing

**Length: 800 mm**

Drag with cable (00210 not included)  
With nozzle

	Code	Pack. Standard	Weight kg Standard	Volume in m <sup>3</sup> Standard
--	------	-------------------	-----------------------	--------------------------------------

<b>01357</b>	1	13.0	0.03
<b>16601</b>	1	13.0	0.03

**Length: 450 mm**

With nozzle 1 ½" - 2" connection

<b>01358</b>	4	13.6	0.05
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Classic brushes - wishbone fixing

	Code	Pack. Standard	Weight kg Standard	Volume in m <sup>3</sup> Standard
--	------	-------------------	-----------------------	--------------------------------------

<b>01406</b>	1	-	-
<b>01404</b>	1	-	-
<b>11789</b>	1	-	-



Classic leaf skimmers - wishbone fixing

	Code	Pack. Standard	Weight kg Standard	Volume in m <sup>3</sup> Standard
--	------	-------------------	-----------------------	--------------------------------------

<b>01398</b>	1	-	-
<b>01396</b>	1	-	-



Classic fixed handle - wishbone fixing

	Code	Pack. Standard	Weight kg Standard	Volume in m <sup>3</sup> Standard
--	------	-------------------	-----------------------	--------------------------------------

Fixed handle 2.5 m	<b>01364</b>	20	11.4	0.06
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# CLASSIC ASTRALPOOL

## MANUAL POOL CLEANERS - CLASSIC RANGE



Shark telescopic pole - wing-nut or wishbone fixing

	Code	Pack. Standard	Weight kg Standard	Volume in m <sup>3</sup> Standard
Classic 1.8 - 3.6 m telescopic pole	01359	12	13.4	0.05
Classic 2.4 - 4.8 m telescopic pole	01360	12	16.2	0.06



Classic reinforced telescopic pole - Public pools

	Code	Pack. Standard	Weight kg Standard	Volume in m <sup>3</sup> Standard
<b>Reinforced telescopic pole, aluminium</b>				
2.5 - 5 m	01361	5	16.0	0.04
3.75 - 7.5 m	15838	1	6.0	0.01
5 - 10 m	01362	1	6.5	0.02
6.5 - 13 m	01363	1	8.4	0.02



Hose adapter

For connecting wing nut assembly to clip hose or clip assembly to wing nut hose.

	Code	Pack. Standard	Weight kg Standard	Volume in m <sup>3</sup> Standard
Adapts the wishbone handle connection to wing-nut connection	08465	35	2.55	0.01
Adapts the reinforced pole connection to wing-nut connection	17937	38	2.66	0.01



Hose adapter

For connecting wing nut assembly to clip hose or clip assembly to wing nut hose.

	Code	Pack. Standard	Weight kg Standard	Volume in m <sup>3</sup> Standard
Adapts the connection hose clip to wing nuts	14592	48	3.36	0.01



Thermometers

Celsius & Fahrenheit scale.

	Code	Pack. Standard	Weight kg Standard	Volume in m <sup>3</sup> Standard
	20594	20	2.1	0.032



Floating thermometers ZOO

Celsius & Fahrenheit scale.

Basic line. Desktop display. This includes:

6 models of each one: duck, dolphin, frog and whale

	Code	Pack. Standard	Weight kg Standard	Volume in m <sup>3</sup> Standard
Duck model	66058	1	1.6	0.08
Dolphin model	38613	1	3.5	0.05
Frog model	58652	1	3.5	0.05
Whale model	58653	1	3.5	0.05
	58654	1	3.5	0.05



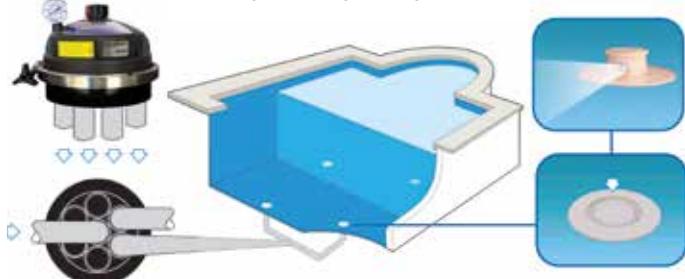
## NET'N'CLEAN INTEGRATED CLEANING SYSTEM

**NET 'N' CLEAN** Integrated cleaning system

The NET'N'CLEAN is an efficient cleaning system, consisting of a six outlet distributor valve that receives clean water from the filter and distributes it sequentially to a series of nozzles installed on the pool floor.

This type of distribution from the bottom keeps the particles in suspension so they are collected by the skimmer and main drain and retained by the filter. It helps improve the use and efficacy of chemical products injected in the return piping and reduces heating costs by returning hot water along the bottom.

INSTALLATION DIAGRAM



## Net'n'Clean distributor valve Ø 50 mm



Six way distribution valve. This valve is part of the Net'n'Clean cleaning system which is integrated in the pool floor. It distributes water sequentially through its various branches. Made of plastic and titanium it has high resistance to salt water. Maximum working pressure: 1.4 bars. Maximum flow: 15 m<sup>3</sup>/h. Connections: 7 x Ø 50 mm. 2 pop-up nozzles for branch recommended.

Net'n'Clean distributor valve:  
European model

	Code	Pack. Standard	Weight kg Standard	Volume in m <sup>3</sup> Standard
Net'n'Clean distributor valve: European model	<b>21257</b>	1	1.7	0.015



## Net'N'Clean distributor valve Ø 63 mm



Distributor valve optimized for greater hydraulic performance. Maximum working pressure of 1.8 bars. Maximum flow of 24 m<sup>3</sup>/h. Connections: 7 x Ø 63 mm or 7 x Ø 75 mm. From 2 to 4 nozzles per branch.

Net'N'Clean distributor valve Ø 63 mm

	Code	Pack. Standard	Weight kg Standard	Volume in m <sup>3</sup> Standard
Net'N'Clean distributor valve Ø 63 mm	<b>35079</b>	1	5.6	0.031



## Net'N'Clean reducing wall conduit for nozzles



Reducing conduit to install concrete Net'N'Clean nozzles (26985). Made in white PVC. Ø 50 mm inside & Ø 63 mm outside connections.

	Code	Pack. Standard	Weight kg Standard	Volume in m <sup>3</sup> Standard
	<b>21248</b>	12	7.3	0.032



## Ø 90 mm wall conduit



PVC wall conduit. Cutting area of 120 mm for fitting it to the pool wall or floor. Ø 63 or Ø 75 connection, as required.

Ø 90/Ø 63-Ø 75 mm wall conduit

	Code	Pack. Standard	Weight kg Standard	Volume in m <sup>3</sup> Standard
Ø 90/Ø 63-Ø 75 mm wall conduit	<b>43590</b>	9	7.3	0.033

For inlets:

Net'N'Clean: 43584 - 43585

BCN 03: 43586 - 43587 - 43588 - 43589

Return inlet/suction nozzle for high flow rates: 41518 - 41519 - 41520 - 41521

## NET'N'CLEAN INTEGRATED CLEANING SYSTEM



Concrete



## Net'N'Clean nozzles

Range of Net'N'Clean nozzles with four different outlets. S4 is recommended for pool floor and S1 or S2 for steps. Designed for concrete pools with glass tiling, liner pools and polyester pools. For in-ground pools, both adjustable and fixed nozzles are available, and for liner pools there are self-tapping nozzles or nozzles with metal inserts.



## Nozzles

## For concrete pools:

- With swivel joint
- Fixed

	Code	Pack. Standard	Weight kg Standard	Volume in m <sup>3</sup> Standard
--	------	-------------------	-----------------------	--------------------------------------

26985	12	4.14	0.02
-------	----	------	------

26986	12	3.78	0.02
-------	----	------	------



## For polyester pools:

- Fixed

21209	-	-	-
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## Bodies

## For concrete pools:

- With swivel joint
- Fixed

65230	-	-	-
-------	---	---	---

65231	-	-	-
-------	---	---	---



## For polyester pools:

- Fixed

65232	-	-	-
-------	---	---	---

Liner

May be supplied to order in the following colours: Sky blue, navy blue, speckled grey, metal grey and black.



## Inner assembly kit

Colours can be selected with the minimum number of parts. Existing pools can be renewed without any effort.

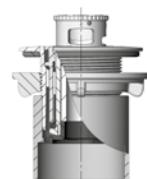
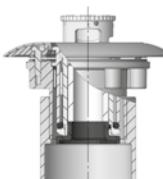
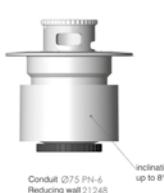
	Code	Pack. Standard	Weight kg Standard	Volume in m <sup>3</sup> Standard
--	------	-------------------	-----------------------	--------------------------------------

White	65234	12	4.4	0.031
Beige	65234CL090	12	4.4	0.031
Light grey	65234CL129	12	4.4	0.031
Anthracite grey	65234CL144	12	4.4	0.031

Concrete

Liner

Polyester



## HOSES



### Hose connectors

Ø 38 mm for connections to inlets 16328, 21644, 21645, in white ABS  
Ø 50 mm connections to inlets 00315, grey PP

Code	Pack. Standard	Weight kg Standard	Volume in m <sup>3</sup> Standard
05684	12	1.0	0.003
01392	12	1.0	0.006



### Hose fitting

White ABS plastic.

For Ø 38 mm hose, male thread 1½"

Code	Pack. Standard	Weight kg Standard	Volume in m <sup>3</sup> Standard
01393	12	1.0	0.006



### Hose cuffs

#### Made in flexible blue PVC

For Ø 38 mm (01372) hose  
Only for vac inlets 24415  
For Ø 38 mm hose (01372)  
For Ø 50 mm hose (01373)

Code	Pack. Standard	Weight kg Standard	Volume in m <sup>3</sup> Standard
07958	12	2.0	0.003
01385	12	2.0	0.003
01386	12	3.0	0.010

#### Made in flexible white PVC

For Ø 38 mm hose (01374-01375  
01376-01377-01378)  
For Ø 50 mm hose (01379)

Code	Pack. Standard	Weight kg Standard	Volume in m <sup>3</sup> Standard
01387	12	2.0	0.030
01388	12	3.0	0.010



### Floating suction hose

Transparent blue Polyethylene hose

Ø 38 mm (1½")  
Ø 50 mm (2")

Code	Pack. Standard	Weight kg Standard	Volume in m <sup>3</sup> Standard
01372	30 m	8.0	0.108
01373	30 m	14.0	0.192



### Floating suction hose

Made of blue polyethylene. Includes terminals, except in the 30-m hose (01374, 01379).

Ø 38 mm (1½")	Code	Pack. Standard	Weight kg Standard	Volume in m <sup>3</sup> Standard
30 m	01374	1	12.0	0.192
15 m	01375	1	5.6	0.192
12 m	01376	1	4.5	0.192
10 m	01377	1	3.0	0.192
8 m	01378	1	3.0	0.192
Ø 50 mm (2")				
30 m	01379	1	15.0	0.240

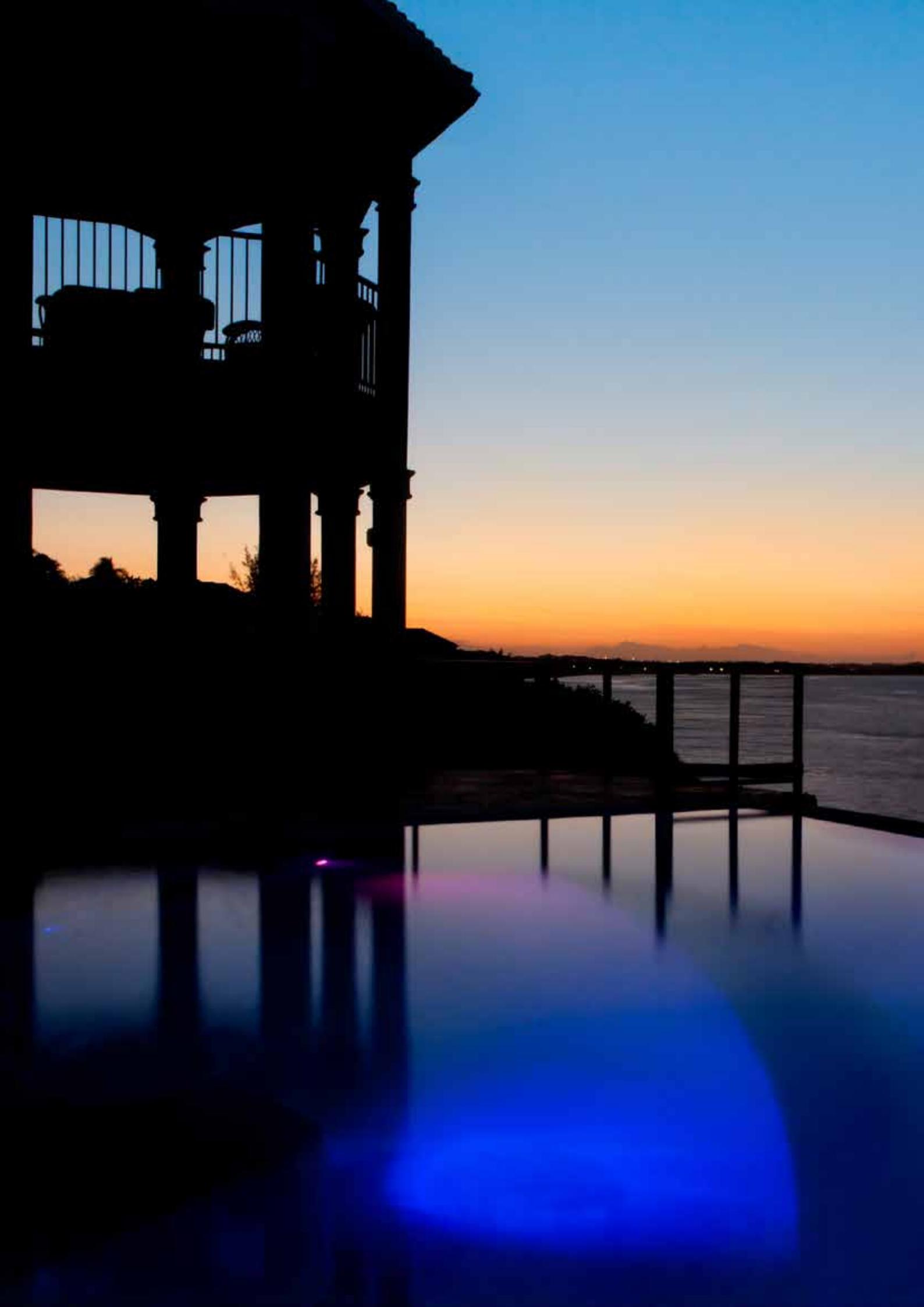


### Hose roller

For hoses of up to 15 metres.

Hose roller

Code	Pack. Standard	Weight kg Standard	Volume in m <sup>3</sup> Standard
66042	1	2.4	0.05





## POOL LIGHTING

- 264 • LED lighting - LumiPlus
- 276 • LED lighting - Control systems
- 278 • Halogen lighting
- 282 • Niches
- 283 • Transformers and accessories
- 285 • Aquarmony underwater music system

## LED LIGHTING - LUMIPLUS



**AstralPool LumiPlus** is the most extensive family in the market of underwater spotlights for public, commercial and residential pools.

The entire LumiPlus range is made of high-quality LEDs and electronic components, and is manufactured entirely in the EU to European quality standards.

The AstralPool LumiPlus family delivers:

- Greater energy efficiency.
- High performance floodlights with top quality lighting (TQL) technology.
- Enhanced energy efficiency in pools thanks to the use of LumiPlus DC lamps and projectors run from a direct current power source (24 V DC).
- Great control over the range with the inclusion of the Internet of Pools (IoT) concept by Fluidra Connect.
- IP68 protection rating.

The most comprehensive range for every type of pool



PROJECTOR

# LumiPlus Flexi

New

The LED solution that adapts  
to every type of pool



The new LumiPlus projectors, FlexiNiche, FlexiSlim and FlexiRapid, are characterised by their more stylish finish and their great adaptability to any type of new-build or existing pool, whether a liner or concrete pool, that can be fitted to niches on the surface or in bushings.



WHITE ANTHRACITE BEIGE  
GREY

LIGHT  
GREY

**"AstralPool's new LumiPlus Flexi system delivers top flexibility"**



PROJECTOR

# LumiPlus Flexi

New

The LED solution that adapts to all types of pool



The new family of LumiPlus Flexi spotlights, FlexiNiche, FlexiSlim and FlexiRapid, is characterized by its great adaptability to any type of new-build and existing liner or concrete pool and can be fitted in a niche, on the surface or to bushing.

Maximum flexibility with the new LumiPlus Flexi system by AstralPool.

Ideal for public/hotel pools and residential pools in version V2 and V1, respectively.

**LumiPlus Flexi is made up of 3 components**

1



Light chip

2



Niche

3



Faceplate

The 3 components are required for the proper installation of FlexiNiche and FlexiRapid.



LumiPlus FlexiNiche

LumiPlus FlexiSlim

LumiPlus FlexiRapid

\* Resistant to salt water

## LED LIGHTING - LUMIPLUS

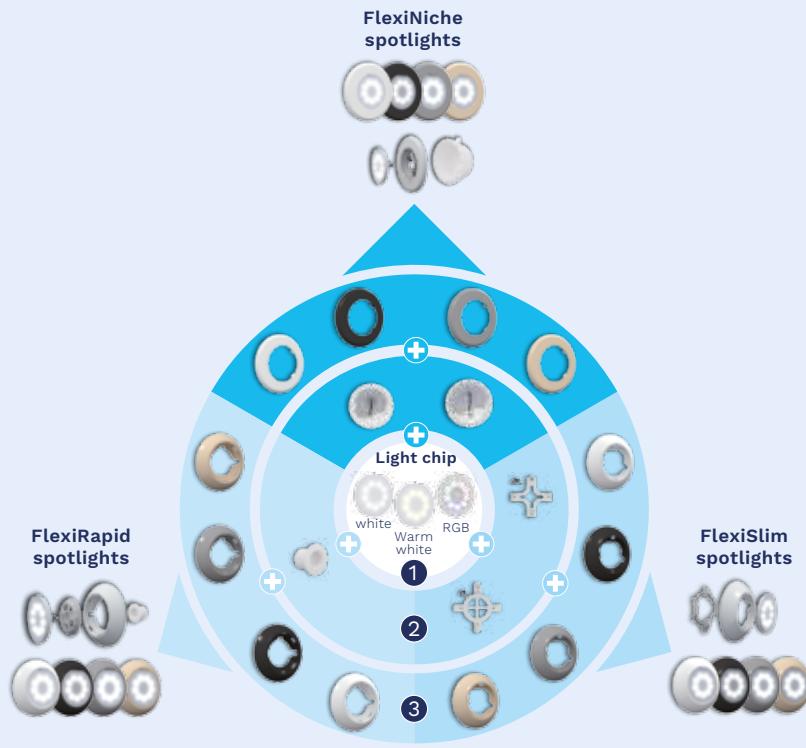
LumiPlus Flexi projectors - The LED solution that adapts to every type of pool



New

The new family of LumiPlus Flexi spotlights – FlexiNiche, FlexiSlim and FlexiRapid – is characterised by its great adaptability to any type of new-build or existing pool, whether a liner or concrete pool, that can be fitted to niches, on the surface or in bushings. The new LumiPlus Flexi system delivers top flexibility. Versions V1 and V2 are ideal for public/hotel pools and residential pools, respectively.

Note: To correctly light a pool, it is advisable to install a LumiPlus Flexi V1 for every 20m<sup>2</sup> of water surface or a LumiPlus Flexi V2 for every 25m<sup>2</sup> of water surface. Floodlights should always be installed submerged in water.



Faceplate colours available:  
white, Anthracite grey, light grey and beige

	LumiPlus FlexiNiche	LumiPlus FlexiSlim	LumiPlus FlexiRapid
Type of installation	Niche Ø180 - Ø230	Walls	INLET
Ø of faceplate Depth of faceplate	294 mm 20 mm  	290 mm 51 mm  	257 mm 48 mm  

How to install them?

LumiPlus FlexiNiche	LumiPlus FlexiSlim	LumiPlus FlexiRapid
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LumiPlus FlexiNiche

LumiPlus FlexiSlim

LumiPlus FlexiRapid

LumiPlus Flexi LED configurator



<https://www.astralpool.com/configurador-led-lumiplus-flexi>



The models with RGB light are compatible with Fluidra Connect.



Seawater-proof.



## LED LIGHTING - LUMIPLUS



New

## LumiPlus Flexi projectors - Selection guide

Follow the steps below to choose the LumiPlus Flexi that best suits your pool:

		Niche				Walls				Inlet							
1 Select colour of light	RESIDENTIAL V1 White 1,485 lm / RGB 1,100 lm		PUBLIC/HOTEL V2 White 4,320 lm / RGB 2,544 lm		RESIDENTIAL V1 White 1,485 lm / RGB 1,100 lm		PUBLIC/HOTEL V2 White 4,320 lm / RGB 2,544 lm		RESIDENTIAL V1 White 1,485 lm / RGB 1,100 lm		PUBLIC/HOTEL V2 White 4,320 lm / RGB 2,544 lm						
	V1 - AC	V1 - DC	V2 - AC	V2 - DC	V1 - AC	V1 - DC	V2 - AC	V2 - DC	V1 - AC	V1 - DC	V2 - AC	V2 - DC					
WHITE	White 16W 	White 14W 		White 32W 	White 16W 	White 14W 		White 32W 	White 45W 	White 14W 		White 32W 					
	Warm white 16W 	Warm white 14W 		Warm white 32W 	Warm white 16W 	Warm white 14W 		Warm white 32W 	Warm white 32W 	Warm white 32W 		Warm white 32W 					
	RGB 22W 		RGB 43W 		RGB 22W 		RGB 43W 		RGB 22W 		RGB 43W 						
	Wireless 22W 		RGB-DMX 43W 		Wireless 22W 		RGB-DMX 43W 		Wireless 22W 		RGB-DMX 43W 						
2 Select a model according to the type of installation									Any bushing with 1½" internal thread								
	Ø230 mm models		Ø180 mm models		Compatible with the brackets for Flat, Extraflat and Slim projectors by AstralPool		FlexiSlim adapter for new-build pools		Any bushing with 1½" internal thread								
3 Select faceplate colour	FlexiNiche				FlexiSlim				FlexiRapid								



All models with RGB light are compatible with Fluidra Connect.



Seawater-proof.



Power pack supplied with FLEXI DC spotlights

Note: AC - Alternating current. DC - Direct current

## LED LIGHTING - LUMIPLUS



New

LumiPlus Flexi projectors - Components required to install a LumiPlus Flexi

Choose from among the components according to your requirements:

- New-build pools - FlexiNiche or FlexiRapid: 1+2+3
- New-build pools - FlexiSlim: 1+3
- Replacement without changing niche: 1+3

1 SPOTLIGHT	Code	Code
	V1	V2
White AC LumiPlus Flexi spotlight	71200	
White warm AC LumiPlus Flexi spotlight	71200WW	
White DC LumiPlus Flexi spotlight	71201	71202
White warm DC LumiPlus Flexi spotlight	71201WW	71202WW
RGB AC LumiPlus Flexi spotlight*	71203	71204
Wireless AC LumiPlus Flexi spotlight*	71205	
Wireless AC 1 PL LumiPlus Flexi spotlight + 1 Control Motion	71206	
Wireless AC 2 PL LumiPlus Flexi spotlight + 1 Control Motion	71207	
DMX RGB AC LumiPlus Flexi spotlight*		71208

All spotlights come with a 2.5 m power cable. Power cables of 5 m, 10 m and 15 m available on request.

\* Choose the most suitable remote control (see control systems section)

2 NICHE	Code
<b>NICHE Ø230</b>	
<b>Ø230</b>	00349
Niche for prefabricated pools with inserts	00364
Niche for prefabricated pools without inserts	28887
Niche for panel pools with inserts	23671
Niche for panel pools without inserts	23670
<b>RAPID INLET</b>	
Inlet for concrete pools with 1 ½" threaded Ø63 PN-6 piping	35418
Inlet for concrete pools with 1 ½" threaded Ø63 PN-10 piping	35421
Inlet for liner prefabricated pools with 1 ½" thread	27084
Inlet for polyester prefabricated pools	38805

Other Ø230 and Ø180 niches also available (see catalogue).

3 TRIM	Code
<b>NICHE Ø230 - Ø180</b>	
white	71209
White	71209CL090
Light Grey	71209CL129
Anthracite grey	71209CL144
<b>SLIM</b>	
White	71210
Beige	71210CL090
Light Grey	71210CL129
Anthracite grey	71210CL144
<b>RAPID</b>	
White	71211
Beige	71211CL090
Light Grey	71211CL129
Anthracite grey	71211CL144

SETS OF WHITE FACEPLATE + WHITE SPOTLIGHT	Code	Code
	WHITE AC	WHITE DC
Assembly with white faceplate + white FlexiNiche light chip	71212	71213
Assembly with white faceplate + white FlexiSlim light chip	71214	71215
Assembly with white faceplate + white FlexiRapid light chip	71216	71217

## LED LIGHTING - LUMIPLUS

## Floodlight design



To correctly light a pool it is advisable to install a floodlight from the LumiPlus Design range every 25 m<sup>2</sup> of water surface.

Note: this recommendation applies to pools light in colour with white light spotlights, but if there are RGB spotlights more should be fitted. In dark or stainless steel pools it is recommended to use more projectors per m<sup>2</sup>.

The projector must be always be submerged in water.

Floodlights for installation in "Design" type niches (not included)

The RGB model is compatible with LumiPlus Eco, LumiPlus Top, LumiPlus LED APP and LumiPlus Modbus controls. The RGB DMX model requires the LumiPlus DMX 41107 modulator.

Light Colour	Type of faceplate		Consumption	Luminous flux	Rated voltage: 12V AC. IPX8 protection. Includes 2.5 m H07RN-F 2x1.5 mm <sup>2</sup> cable. Adaptor kit available for other niche types from diameter 180 to 190 mm.
	White	Stainless steel effect			
RGB DMX	59811	59809	40W (55VA)	2544 lm	
White	59807	59805	45W (50VA)	4320 lm	
RGB	59803	59801	40W (50VA)	2544 lm	

## Niches for floodlight design

Concrete pool	Niches			Compatible with: LumiPlus Design series. *Compatible with the majority of niches from Ø180 to Ø190 mm on the market (Hugo Lahme, MTS Productsts, Wibre...).	
	Prefabricated pools		Fixing kit for other niches		
	With inserts	Without inserts			
59813	59814	59815	59818*		



Fluidra Connect-compatible if installed with the LumiPlus RGB modulator + Fluidra Connect module



Seawater-proof

## LED LIGHTING - LUMIPLUS



## Stainless steel PAR56 floodlight – AISI-316

To correctly light a pool it is advisable to install a floodlight from the LumiPlus V1 range every 20m<sup>2</sup> of water surface or a LumiPlus V2 floodlight every 25m<sup>2</sup> of water surface. These recommendations are valid for light coloured pools and white light floodlights; oversize in RGB colours, darker coloured pools or stainless steel pools. Floodlights should always be installed submerged in water.

Supplied with cable duct with a PG 16 thread and PG16 to M25 converter.

**Niche not supplied - install with the 54102 stainless steel niche for concrete pools or the 54103 for liner/prefabricated pools.**

The RGB model is compatible with LumiPlus Eco, LumiPlus Top, LumiPlus app and LumiPlus Modbus controls.

	Light Colour	Stainless steel PAR56 projector						
		Faceplate		Consumption	Luminous flux			
		Ø 250 mm	Ø 295 mm					
	RGB 	54094	54099	27W (37VA)	1100 lm		<b>RGB:</b> Nominal voltage: 12 V AC. IPX8 protection rating Includes 2.5 m H07RN-F 2x1.5 mm <sup>2</sup> cable.	
	White 	71659 <b>New</b>	71660 <b>New</b>	14 W (14 VA)	1485 lm			
	RGB 	54092	54097	48W (64VA)	2544 lm		<b>White:</b> Nominal voltage: 12 V AC. IPX8 protection rating 2.5 m H07RN-F 2x1.5 mm <sup>2</sup> cable. Includes 220 V AC-24 DC power pack. Does not work with 220V AC-12V AC electromagnetic transformers. PAR56 light can be supplied on request in the following emission colours: red, green, blue, warm white or neutral white.	
	white 	71661 <b>New</b>	71662 <b>New</b>	32 W (32 VA)	4320 lm			

## Niche for stainless steel PAR56 floodlight

	Niche					
	Concrete pool	Prefabricated/liner pools				
		With inserts	Without inserts			
	54102		54103		Compatible with: Stainless steel PAR56 range.	



New white projectors with a power pack.

## LED LIGHTING - LUMIPLUS

LumiPlus lights for PAR56 V2 floodlights



To correctly light a pool it is advisable to install a light from the LumiPlus V2 range every 25 m<sup>2</sup> of water surface.

Note: this recommendation applies to pools light in colour with white light spotlights, but if there are RGB spotlights more should be fitted. In dark or stainless steel pools it is recommended to use more projectors per m<sup>2</sup>.

DC PAR56 V2 lamp				
Light Colour		Code	Consumption	Light intensity
White		67516	32W	4.320 lm
		67516WW		

PAR56 V2 light				
Light Colour		Code	Consumption	Light intensity
RGB 		43411	48W (64VA)	2.544 lm
		45637	48W (64VA)	2.544 lm

LumiPlus lights for PAR56 V1 floodlights



To correctly light a pool it is advisable to install a light from the LumiPlus V1 range every 20m<sup>2</sup> of water surface.

Note: this recommendation applies to pools light in colour with white light spotlights, but if there are RGB spotlights more should be fitted. In dark or stainless steel pools it is recommended to use more projectors per m<sup>2</sup>.

DC PAR56 V1 lamp				
Light Colour		Code	Consumption	Light intensity
White		67515	14W	1.485 lm
		67515WW		

PAR56 V1 light				
Light Colour		Code	Consumption	Light intensity
White		52596	16W (24VA)	1.485 lm
		52596WW		
RGB 		56001	27W (37VA)	1.100 lm

Wireless PAR56 V1 light									
	1 light + 1 Control Motion	2 lights + 1 Control Motion	1 lamp RGB 1.11 Wireless	Consumption per lamp	Luminous flux per lamp	Rated voltage: 12 V AC. Protection rating: IPX8. Cable not included.			
	59126	59127	59124	27W (37VA)	1.100 lm	Must always be installed underwater. The LumiPlus Control Motion remote control is not waterproof.			
	Pack of 8 boxes with 2 lams + Control Motion with their respective display stands								
	59127K								



Fluidra Connect-compatible if installed with the LumiPlus RGB modulator + Fluidra Connect module



Seawater-proof

## LED LIGHTING - LUMIPLUS



## LumiPlus MINI V3 floodlights

Range of floodlights to be integrated in the pool. Very easy to install. Suitable for installation in bushings, connector inlets, niches and spas. Available in white and stainless steel effect finish. Manufactured with IMD (in-mould decoration) technology.

	MINI V3 floodlight							Rated voltage: 12V AC. IPX8 protection. 2.5 m H07RN-F 2 x 1 mm <sup>2</sup> cable. They must be installed submerged in water. The RGB model is compatible with all LumiPlus control devices.
	Colour	Faceplate	Concrete	Prefabricated/ Liner	SPAS	Consumption	Light	
RGB 	white	59971 	69633 	59973 	4 W (6 VA)	186 lm		
	Stainless steel effect	59972 	69634 	59974 				
RGB DMX	white	59975 	69635 	59977 	4 W (4 VA)	186 lm		
	Stainless steel effect	59976 	69636 	59978 				
White	white	59979 	69637 	59981 	4 W (7 VA)	315 lm		
	Stainless steel effect	59980 	69638 	59982 				

## Niches for LumiPlus MINI V3 and LumiPlus FlexiRapid projectors

Niches for LumiPlus MINI V3							Snap-in LumiPlus Mini niches (for concrete or prefabricated/liner pools) can also be installed.	
Concrete pools				Prefabricated pools				
Concrete pools			Niche	Liner	Fibreglass	INLET		
Bushing / Tube ø63 PN-6 / PN-10	1"½ threaded inlet Ø 63 PN-6 piping	1"½ threaded inlet Ø 63 PN-10 piping		Niche	1 ½" thread inlet	Niche	INLET	
<b>62395</b>	<b>35418</b>	<b>35421</b>	<b>53956</b>	<b>27084</b>	<b>59983</b>	<b>38805</b>		



Fluidra Connect-compatible if installed with the LumiPlus  
RGB modulator + Fluidra Connect module



Seawater-proof

## LED LIGHTING - LUMIPLUS



## LumiPlus MINI V2 floodlights

To correctly light a pool it is advisable to install a floodlight from the LumiPlus Mini V2 range every 5 m<sup>2</sup> of water surface. NB: recommendations valid for light coloured pools and white light floodlights; oversize in RGB colours. In darker coloured pools or stainless steel pools, we recommend oversizing the proportion of floodlights per m<sup>2</sup>.

Floodlights may be installed both in and out of the water. Niche according to model; not included and needed to finish the installation. The RGB model is compatible with LumiPlus Eco, LumiPlus Top, LumiPlus LED APP and LumiPlus Modbus controls. The RGB DMX model requires the LumiPlus DMX 52142 feed controller (see page 277). The RGB floodlight can be installed with the 27818 modulator and control a power charge of up to 900VA.

Snap-in MINI V2 floodlight				
Light Colour	Type of faceplate		Consumption	Light
	white	S.S.		
RGB	<b>52124</b>	<b>52125</b>	4W (7VA)	186 lm
White	<b>52130</b>	<b>52131</b>	4W (6VA)	315 lm
RGB DMX	<b>52136</b>	<b>52137</b>	4W (4VA)	186 lm

Rated voltage: 12V AC.  
IPX8 protection.  
Includes 2.5 m H07RN-F 2x1.5 mm<sup>2</sup> cable.  
May be installed both in and out of the water.  
Compatible with a 63 bushing (code 15661) or snap-in mini niche (not included) code 53596. Select the appropriate option for each pool (see page 282).

MINI V2 floodlight for SPA and prefabricated pool				
Light Colour	Type of faceplate		Consumption	Light
	white	S.S.		
RGB	<b>52126</b>	<b>52127</b>	4W (7VA)	186 lm
White	<b>52132</b>	<b>52133</b>	4W (6VA)	315 lm
RGB DMX	<b>52138</b>	<b>52139</b>	4W (4VA)	186 lm

Rated voltage: 12V AC.  
IPX8 protection.  
Includes 2.5 m H07RN-F 2x1.5 mm<sup>2</sup> cable.  
Fastened between a threaded bolt and 2" nut.

MINI V2 floodlight for Mini Niche (light point)				
Light Colour	Type of faceplate		Consumption	Light
	white	S.S.		
RGB	<b>52128</b>	<b>52129</b>	4W (7VA)	186 lm
White	<b>52134</b>	<b>52135</b>	4W (6VA)	315 lm
RGB DMX	<b>52140</b>	<b>52141</b>	4W (4VA)	186 lm

Rated voltage: 12V AC.  
IPX8 protection.  
Includes 2.5 m H07RN-F 2x1.5 mm<sup>2</sup> cable.  
Compatible with mini niche (not included). Select the appropriate option for each pool (see page 282).



Fluidra Connect-compatible if installed with the LumiPlus RGB modulator + Fluidra Connect module

## LED LIGHTING - LUMIPLUS



### LumiPlus MICRO floodlights

To illuminate a pool properly, it is recommended that a spotlight from the LumiPlus Micro family be installed for every 5 m<sup>2</sup> of water surface. Note: this recommendation applies to pools light in colour with white light spotlights, but if there are RGB spotlights more should be fitted. In dark or stainless steel pools it is recommended to use more projectors per m<sup>2</sup>.

The RGB model is compatible with LumiPlus Eco, LumiPlus Top, LumiPlus app and LumiPlus Modbus controls.

The RGB DML model is comparable with the LumiPlus DMX 52142 feed controller (see page 277).

Fast assembly MICRO lights					Rated Voltage: White: 12V AC (RGB & White) Protection: IPX8. Cable: 2,5 m. H07RN-F section 2x1,5 mm <sup>2</sup> . It is possible to be installed inside or outside the water. RGB light can be installed with the Modulator, code 27818 and control up to 900 VA. RGB-DMX lights are going to be installed together with the DMX Power supply, code 52142 (maximum 9 lights).	
Light Colour	Type of faceplate		Consumption	Light		
	White	S.S.				
RGB	64552	64553	4W (7VA)	186 lm		
White	38814	38816	6W (9VA)	315 lm		
RGB DMX	64557	64558	4W (4VA)	186 lm		

MICRO lights for SPA and prefabricated pool					Rated Voltage: White: 12V AC (RGB & White) Protection: IPX8. Cable: 2,5 m. H07RN-F section 2x1,5 mm <sup>2</sup> . It is possible to be installed inside or outside the water. RGB light can be installed with the Modulator, code 27818 and control up to 900 VA. RGB-DMX lights are going to be installed together with the DMX Power supply, code 52142 (maximum 9 lights).	
Light Colour	Type of faceplate		Consumption	Light		
	White	S.S.				
RGB	64554	64555	4W (7VA)	186 lm		
White	40765	40766	6W (9VA)	315 lm		
RGB DMX	64559	64560	4W (4VA)	186 lm		

Models with various existing light points as well.

POOL  
LIGHTING



### Outdoor lighting - Brick Light Series floodlight

Brick Light Series lights					Rated voltage: 12 V AC. Protection rating: IPX8. Includes 2.5-m H07RN-F cable 2 x 1.5 mm <sup>2</sup> . The spotlight has a galvanized steel niche for easy installation.			
Light Colour				Consumption				
RGB		white						
Square	Round	Square	Round					
45716	45717	57089	57090	4W (6VA)				

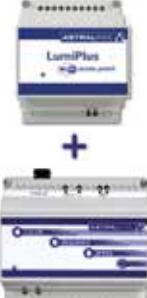


### Outdoor lighting - Starlight portable lights

Decorative lights for indoors and out and even for floating in the water. Includes a remote control for choosing one of the 16 different colours available. They work on low consumption LED technology and once the battery has been charged have a runtime of up to 20 hours. Starlight is water-resistant. The charger is supplied with the product.

StarLight Altair	Code	Pack. Standard	Weight kg Standard	Volume in m <sup>3</sup> Standard
Conical shape 290 x 320 mm	53937	1	3	0.050
StarLight Sirio	53938	1	3	0.051
Circle shape Ø 350 mm				
StarLight Vega	53939	1	3	0.051
Oval shape 350 x 270 mm				

## LED LIGHTING - CONTROL SYSTEMS

System		Codes	Description	Floodlights	
LumiPlus RGB ECO		32458	<p><b>The simplest and most economical colour change system.</b></p> <p>LumiPlus Eco is a push-button switch that allows 14 modes of operation: 7 fixed colours and 7 different colour sequences.</p> <p>Each time the push button is pressed, the colour or sequence will change. By pressing for several seconds, the light is white.</p> <p>The push button must be sized to withstand the power consumed by the number of lights in the facility.</p> <p>Maximum charge 700 VA. Must be connected in the transformer primary.</p>	Any LumiPlus RGB floodlight.	
LumiPlus WIRELESS	LumiPlus Control Motion	59125	<p><b>Colour change CONTROL in your hand.</b></p> <p>The LumiPlus Control Motion remote control enables wireless floodlight control, directly offering on/off options, 12 colour changes, 8 sequence changes and sequence speed.</p> <p>It also detects movement, letting you activate colours and sequences by vertical and horizontal movements, respectively.</p> <p>Compatible with the LumiPlus Wireless range of floodlights only.</p> <p>Can control 2 wireless floodlights.</p>	Flexi V1 RGB Wireless PAR56 V1 RGB Wireless S-Lim V1 RGB Wireless Rapid V1 RGB Wireless	
	LumiPlus Wireless Range Extender	64633	<p>Allows expansion of the signal that the LumiPlus Control Motion sends to the floodlights with the wireless control system.</p> <p>Ideal for facilities whose architectural features or floodlights installation makes it hard for the LumiPlus Control Motion signal to reach the wireless floodlights properly.</p>		
LumiPlus RGB TOP		27818 + 41988	<p><b>The LumiPlus TOP system for the remote control of pool colour changes.</b></p> <p>System comprising the 27818 modulator and 41988 remote control that enables the control of a large number of floodlights. The modulator has an antenna with a 50m range to receive the signal from the remote control (bought separately).</p> <p>The LumiPlus TOP system enables:</p> <ul style="list-style-type: none"> <li>• Floodlight on/off action.</li> <li>• Colour selection: 12 fixed colours available.</li> <li>• Sequence selection: 8 sequences available.</li> <li>• Sequence speed selection: 8 speeds available for each sequence.</li> </ul> <p>Supplied separately. A total of 10 LumiPlus modulators can be synchronised.</p>	Any LumiPlus RGB floodlight.	
LumiPlus LED APP LumiPlus WIFI	Existing installation		59131	<p><b>Control your pool lighting from your smartphone.</b></p> <p>App to check LumiPlus lights and floodlights from an Android or iOS smartphone or tablet.</p> <p>If the pool has a LumiPlus 27818 modulator, you can control your LumiPlus lights or spotlights from your smartphone or tablet just by installing the LumiPlus Wi-Fi access point together with the modulator. The LumiPlus app should only be installed as an additional feature to the LumiPlus Modulator. It offers a range of 12 colours and 8 sequences or colour change programs.</p> <p>Free app you can download directly from the following sites:</p> <p>Apple: <a href="http://www.lumiplusled-ios.astralpool.com">www.lumiplusled-ios.astralpool.com</a> Android: <a href="http://www.lumiplusled-android.astralpool.com">www.lumiplusled-android.astralpool.com</a></p>	To control any LumiPlus RGB floodlight
	New installation		59132	   	

## LED LIGHTING - CONTROL SYSTEMS

System		Codes	Description	Floodlights
<b>LumiPlus Modbus FLUIDRA CONNECT</b>  			<b>Control your pool lighting anywhere, anytime.</b>	
	Existing installation	 57434	The Modbus protocol enables the control of the LumiPlus modulator. It can be used to switch the floodlights on and off, change their colours and sequence speed and set the time for putting the floodlights in sleep mode.  Download the Fluidra Connect app for instant information about the state of your pool 365 days a year. Fluidra Direct is peace of mind, comfort and leisure. In addition to controlling floodlights, LumiPlus lets you control the filtration, water treatment and more of your pool through the Modbus protocol.  The LumiPlus Modbus should only be installed as an additional feature to the LumiPlus 27818 modulator for correct installation and operation.	Can control any LumiPlus floodlight
<b>LumiPlus RGB DMX</b>	New installation	 57435		
			<b>System to prepare lighting scenes for fountains and large aquatic spaces</b>	
	RGB DMX Modulator	 41107	DMX LED projector modulator/12V AC • DMX receiver for the Flexi, PAR56, S-LIM and Design ranges. • Interprets the commands received from the DMX controller and makes the projectors work. Operates at 12V AC.	
	RGB-DMX power pack	 52142	Product designed exclusively for use with V2 and V3 Mini LED and RGB DMX Micro floodlights.  The power pack can control up to 9 floodlights, receiving orders from the system's DMX controller (Astral DMX 41329 or Astral DMX Pro 41330) via the DMX bus and acting on the floodlights that are connected.  The power pack has been designed to be used solely with DMX protocol and 24V DC DMX controllable parts from AstralPool.	Can control any LumiPlus RGB-DMX floodlight
<b>LumiPlus RGB DMX</b>	DMX controller	 41329	System that makes it possible to single out lights individually or by groups.  Total control for fountain lighting by means of a PC or through a programmable, autonomous module.  Includes the Astral DMX module (USB-DMX interface) and intuitive software, giving users full control over a floodlight or group of floodlights.  Makes it possible to choose a desired colour from among more than 16 million colours.	
	DMX PRO controller	 41330	This system is the ideal solution for creating practically indefinite scenes with spectacular results.  System advantages/benefits: • Very accurate (and coordinated) control over the lights (light and intensity control). • Supports a lot of equipment, operating independently or combined. • Great versatility to form sequences. • The AstralPool DMX system does not require any additional wiring for floodlights with PAR 56 lights.	

## HALOGEN LIGHTING

### Standard light

All plastic materials. PAR56 300W 12V AC halogen lamp.

**For correct pool lighting, we recommend: one floodlight per 25-30 m<sup>2</sup> of pool area.**

Note: This recommendation is valid for light coloured pools. For pools in dark colours or stainless steel, we recommend a higher proportion of floodlights per m<sup>2</sup>.

The projector must be always be submerged in water.

**Floodlights for installation in “standard” niche (included).**

Standard light						
Energy eff.	Type of pool	Cable 2x6 mm <sup>2</sup> 2.5 m	Type of faceplate Ø280 mm		Consumption	Niche included
			ABS	S.S.		
	Concrete	Yes	07844	07843	300W (300 VA)	Yes
		No	07838	07837		
	Prefabricated	Yes	07856	07855		
		No	07852	07851		

Rated voltage: 12 V AC.  
Protection rating: IPX8.  
Compatible with standard niches (included).

### Global light

Made of plastic with hardware and anchoring system also made of plastic. Suitable for sea water.

Model based on standard floodlight. PAR56 300W 12V AC halogen lamp.

**For correct pool lighting, we recommend one floodlight per 25-30 m<sup>2</sup> of pool area.**

Note: This recommendation is valid for light coloured pools. For pools in dark colours or stainless steel, we recommend a higher proportion of floodlights per m<sup>2</sup>.

The projector must be always be submerged in water.

Compatible with AstralPool niches (not included) or any niche available on the market with interior diameters ranging between 220 mm and 235 mm (e.g.: Standard model and PS model).

For full floodlight assembly, the niche must be purchased separately (see page 282).

Global light							
Energy eff.	Type of pool	Cable 2x6 mm <sup>2</sup> 2.5 m	Type of faceplate Ø280 mm		Consumption	Niche included	
			ABS	S.S.			
	All depending on the niche	Yes	52608		-	300W (300 VA)	No

Rated voltage: 12 V AC.  
Protection rating: IPX8.  
Compatible with standard and PS niches (not included).

## HALOGEN LIGHTING

## Stainless Steel light

Range of floodlights made entirely from AISI-316 stainless steel. Supplied with a 2.5 m cable with a PG16 thread and PG16 to M25 converter. Incandescent PAR56 300 W 12 V AC lamp.

Lamp fastens to niche with screws.

**For correct pool lighting, we recommend: one floodlight per 25-30 m<sup>2</sup> of pool area.**

Note: This recommendation is valid for light coloured pools. For pools in dark colours or stainless steel, we recommend a higher proportion of floodlights per m<sup>2</sup>.

The projector must be always be submerged in water.

**Floodlights must be installed in stainless steel niche (not included).**

	Stainless Steel light						Rated voltage: 12 V AC. Protection rating: IPX8. Compatible with stainless steel niches (not included).
	Energy eff.	Type of pool	2x6 mm <sup>2</sup> 2.5 m cable	S.S. faceplate size Ø250 mm Ø295 mm	Consumption	Niche included	
	All depending on the niche	Yes	54096	54101	300W (300 VA)	No	

## Extra flat light



Plastic construction. GY6 100W 12V AC halogen lamp.

Supplied with 2.5 m of 2 x 1.5 mm<sup>2</sup> cable.

**For correct pool lighting, we recommend: one floodlight per 25 m<sup>2</sup> of pool area.**

Note: This recommendation is valid for light coloured pools. For pools in dark colours or stainless steel, we recommend a higher proportion of floodlights per m<sup>2</sup>.

The projector must be always be submerged in water.

**The projector must be always be submerged in water. S-LIM lights do not require a niche.**

	Extra flat light						Rated voltage: 12V AC. IPX8 protection. Compatible with standard niche (not included).	
	Energy eff.	Type of pool	Cable 2x6 mm <sup>2</sup> 2.5 m	Type of faceplate Ø280 mm		Consumption	Fixing	
				ABS	S.S.			
	Concrete	Yes	21626	35666	100W (100 VA)	Reinforced plastic bracket included		
	Concrete with liner	No	43452	43454				
	Prefabricated	Yes	21627	35667				
	Prefabricated with liner	No	24765	35688				



Available while stocks last.

## HALOGEN LIGHTING

### Mini light

Small underwater floodlight. GX-5.3 50W 12V AC aluminised halogen lamp.

For correct pool lighting, we recommend one floodlight per 10 m<sup>2</sup> of pool area.

Note: This recommendation is valid for light coloured pools. For pools in dark colours or stainless steel, we recommend a higher proportion of floodlights per m<sup>2</sup>.

The projector must be always be submerged in water.

**Floodlights for installation in bushings or niche, depending on model (not included).** To complete the installation the right housing should be purchased for each type of pool (see page 282).

	Fast assembly Mini light					Rated voltage: 12V AC. IPX8 protection. Includes 2.5 m H07RN-F 2 x 1.5 mm <sup>2</sup> cable. Compatible with a 63 bushing (code 15661) or snap-in mini niche (not included). Select the appropriate option for each pool (see page 282).	
	Energy eff.	Body	Type of faceplate Ø96 mm		Consumption	Fixing	
			ABS	S.S.			
		Plastic	33708	-	50W (50 VA)	Ø63 wall conduit or Fast assembly Mini Niche	
		Metal	33684	-			

	Mini light for Spa and prefabricated pool					Rated voltage: 12 V AC. Protection rating: IPX8. Includes 2.5-m H07RN-F 2 x 1.5 mm <sup>2</sup> cable.	
	Energy eff.	Body	Type of faceplate Ø96 mm		Consumption	Fixing	
			ABS	S.S.			
		Plastic	33709	36647	50W (50 VA)	Threaded body and 2" nut	
		Metal	33685	36642			

	Mini light for Mini Niche (Light spot)					Rated voltage: 12V AC. IPX8 protection. Includes 2.5 m H07RN-F 2 x 1.5 mm <sup>2</sup> cable. Compatible with mini niche (not included). Select the appropriate option for each pool (see page 282)	
	Energy eff.	Body	Type of faceplate Ø96 mm		Consumption	Fixing	
			ABS	S.S.			
		Plastic	49820	49821	50W (50 VA)	Mini niche	
		Metal	49822	49823			

## HALOGEN LIGHTING

## PS light

Plastic construction. PAR56 300W 12V AC halogen lamp.

For correct pool lighting, we recommend one floodlight per 25 m<sup>2</sup> of pool area.

Note: This recommendation is valid for light coloured pools. For pools in dark colours or stainless steel, we recommend a higher proportion of floodlights per m<sup>2</sup>.

The projector must be always be submerged in water.

Floodlights for installation in PS niches (included).



PS light						
Energy eff.	Type of pool	Cable 2x6 mm <sup>2</sup> 2.5 m	Type of faceplate Ø280 mm		Consumption	Niche included
			ABS	S.S.		
	Concrete	Yes	07846	07845	300W (300 VA)	Yes
		No	07833	07831		
	Prefabricated	Yes	07857	07858		
		No	07847	07850		

Rated voltage: 12 V AC.  
Protection rating: IPX8.  
Compatible with PS niches (included).

## Lamps for lights



Lamps for lights					
Energy eff.	Type of lamp			Code	Consumption
	Halogen PAR56	For lights with niche		00370	300W (12 V)
	Halogen GY6	For flat and extra-flat lights		00371	100W (12 V)
	Dichroic GX-5.3	For mini lights		19334	50W (12 V)
	Halogen PAR38	For floodlights in fountains and gardens		09309	120W (24 V)

 Available while stocks last.

## NICHES

### Niches

	Standard niches					Compatible with: LumiPlus PAR56 series, Standard halogen lights and Global.	
	Concrete pool	Prefabricated pools		Panels pool			
		With inserts	Without inserts	With inserts	Without inserts		
	00349 	00364	28887	23671	23670		

	AISI-36 stainless steel niches				Compatible with: LumiPlus stainless steel range, stainless steel incandescent floodlights.	
	Concrete pools	Liner swimming pool				
		54102	54103			

	PS niches				Compatible with: PS halogen lights series and Global.	
	Concrete pool	Prefabricated pools				
		With inserts	Without inserts			
		00355 	-	00367		

	MINI niches			Compatible with: LumiPlus Mini 2.11 series and Mini halogen lights for niche.
	Concrete pool	Prefabricated pools	Panel pools	
		00369	49828	

	Fast assembly MINI niches			53956: Compatible with the LumiPlus Mini 2.11, LumiPlus Mini 3.13, LumiPlus Rapid and Mini halogen snap-in ranges. 59983: Compatible with the LumiPlus Mini 3.13 and LumiPlus Rapid ranges.
	Concrete pools	Prefabricated pools		
		53956 	59983	



## TRANSFORMERS AND ACCESSORIES



**More compact  
More functional**

Specially designed for lighting up fountains and pools.

### Transformers for pool and fountain lighting

- Compact design.
- Suitable for all types of circuit board.
- Quick and easy installation.
- Connection via terminals protected against indirect contacts.
- Up to 40 m between the spotlight and transformer.
- Made in compliance with Standard UNE-EN-61558-2-6.
- IP-20 protection rating.
- Age-resistant housing.

	Code	Pack. Standard	Weight kg Standard	Volume in m <sup>3</sup> Standard
100 VA 230 V to 12 V transformer	00383-1369	-	-	-
300 VA 230 V to 12 V transformer	00384-1369	-	-	-
600 VA 230 V to 12 V transformer	00385-1369	-	-	-



### Transformers

Made in compliance with standard EN 60742.

	Code	Pack. Standard	Weight kg Standard	Volume in m <sup>3</sup> Standard
<b>130VA from 230V to 12V</b>	<b>00383-4146</b>	6	15.0	0.011
<b>300VA from 230V to 12V</b> cable length up to 35 m	<b>71436</b>	4	21.0	0.012
<b>600VA from 230V to 12V</b> cable length up to 25 m	<b>00385-4146</b>	2	19.0	0.012

Alternative transformer range, on enquiry.



### Encapsulated security transformer IP-65 for pool

Manufactured according to the rules UNE-EN 61558 and directive CE.

- Bodywork has IP-657 protection rating.
- Class II transformer. Total protection against all electric shocks.
- Self-extinguishing bodywork, as per IEC 695-2-1
- Frequency of 50–60 Hz.

	Code	Pack. Standard	Weight kg Standard	Volume in m <sup>3</sup> Standard
130 VA from 220-240 V to 12 V	35807	1	3.2	0.02
400 VA from 220-240 V to 12-17 V	35385	1	6.8	0.04
800 VA from 280-240 V to 12-17 V	35386	1	10.4	0.04



### Transformer protection boxes

Made of zinc plated steel plate, painted finish.

	Code	Pack. Standard	Weight kg Standard	Volume in m <sup>3</sup> Standard
For transformer 00383	00386	1	1.15	0.01
For transformer 00384	00387	1	1.57	0.01
For transformer 00385	00388	1	3.00	0.01

## TRANSFORMERS AND ACCESSORIES



### Connection box with security cover

Manufactured in ABS, made up of three ¾" inlets/outlets M-25 and ¾" thread connections.

	Code	Pack. Standard	Weight kg Standard	Volume in m <sup>3</sup> Standard
Standard version	<b>30825</b>	12	4.65	0.030
NPT version	<b>07680</b>	12	-	-



### Connection box

In AISI-316 stainless steel. Two PG 15 thread side outlets with two PG16 to M25 converters. ¾" BSP threaded bottom connection.

	Code	Pack. Standard	Weight kg Standard	Volume in m <sup>3</sup> Standard
	<b>00393</b>	1	0.21	0.002



### Flexible conduit hose

For connection from light to connection box, length 1 m hose.

	Code	Pack. Standard	Weight kg Standard	Volume in m <sup>3</sup> Standard
Threaded ends ¾" & M25	<b>28138</b>	-	-	-
M-25 socket joint	<b>10892-0404</b>	-	-	-
Threaded ends ¾" and M26 150 cm	<b>28138-150</b>	-	-	-



### 100 m cable roll HO7RN-F 2 x 6 mm<sup>2</sup>

The roll contains 100 m of cable HO7RN-F, with 2x6 mm<sup>2</sup> section. Ideal for all lights with PAR 56, 300 W-12V lamps. Meets all the Standards of illumination and voltage for all types of pools. It is recommended for Standard, PS, Panel Protect, and UL-EUR series and fountain lights.

	Code	Pack. Standard	Weight kg Standard	Volume in m <sup>3</sup> Standard
100m cable roll	<b>15264</b>	1	187.5	-



### Underwater connection kit

The kit has all the necessary components to carry out any watertight connection. Due to the properties of the product, the resin seals all gaps. Maximum safety, easy installation, in 2 hours it is ready to be submerged.

	Code	Pack. Standard	Weight kg Standard	Volume in m <sup>3</sup> Standard
Kit for Ø 13 to 15 mm cables	<b>32803</b>	1	0.3	0.002
Kit for Ø 8 to 12 mm cables	<b>35661</b>	1	0.3	0.002



### Overhead connector with IP68 protection rating and 4 poles

Has 5 connectors and two wrenches

	Code	Pack. Standard	Weight kg Standard	Volume in m <sup>3</sup> Standard
	<b>71318</b>	1	-	-

New

## AQUARMONY UNDERWATER MUSIC SYSTEM



Aquarmony Loudspeaker



With frontal installation. To listen to music and voice underwater creating a magical and different atmosphere. Aquarmony is a sealed waterproof loudspeaker designed for your pool. It is made of high quality components, innovative technology and with an assembly system assuring a correct operation in salt water or with a high Chlorine content. Easy installation.

Aquarmony Loudspeaker  
Niche for concrete pool  
Niche for liner pool

Code	Pack. Standard	Weight kg Standard	Volume in m <sup>3</sup> Standard
25680	-	-	-
00349	-	-	-
00364	-	-	-

**Note:** The niches come with a stuffing box assembly and a 1.5-m cable grommet specially designed for the Aquarmony range



## TECHNICAL FEATURES

Maximum power	60 W
Impedance	4 ohm
Frequency	200-12000 Hz
Maximum area per loudspeaker	80 m <sup>2</sup>
Maximum installation depth	40 cm
Weight	5 Kg
Cable length supplied	5 m



Amplifier and loudspeakers - RK400S



New

- Built-in SELV power pack with all required protection ratings and safety systems.
- Fully insulated input and output ports, in compliance with standard ENV 61558-1 CEI EN 64-8/7, Section 702.
  - RCA stereo input port compatible with any source (CD player, MP3 player, smartphone, etc.).
  - Input and output XLR link for connecting other RK400-S devices together.
  - Automated equalisers and limiters specially redesigned by Aquarmony.
  - Automatic gain control, which does not require volume buttons.
  - Four 60 W RMS amplifiers that work separately.
  - Output through a gold-plated screw connector.
  - On/off and signal display light.

Amplifier and loudspeakers

Code	Pack. Standard	Weight kg Standard	Volume in m <sup>3</sup> Standard
RK400S	1	-	-

## TECHNICAL FEATURES

Maximum power	4 x 60 W rms
Impedance	4 ohm
Frequency	50-20,000 Hz
Weight	3.6 Kg





## POOL LINING MATERIAL

- 289 • Sopraliner 150/100 reinforced liner
- 291 • Alkorplan 200/100 reinforced liner
- 293 • Alkorplan 150/100 reinforced liner
- 295 • Alkorplan liner accessories
- 297 • Liner accessories
- 299 • Classification of liners depending on the pool
- 300 • Liners for stairs
- 301 • Conditions for accepting an order
- 302 • Glass tiling for pools
- 308 • Glass tiling for spas and wellness facilities
- 310 • Glass tiling: Projects
- 311 • Glass tiling: Technical specifications

# ASTRALPOOL RECOMMENDATION

## POOL FINISH COLOURS

Colours of pool shell materials recommended by AstralPool depending on the colour of your pool's finish.



### POOL FINISH COLOURS



LIGHT BLUE



ADRIATIC BLUE



CARIBBEAN GREEN



WHITE



67497



54357

ASTRALPOOL RECOMMENDATION  
POOL BASIN

WHITE



SAND



RELAX



SUBLIME



54316



54324



54256 (MATT - C3)



BEIGE CL090 RAL1015



LIGHT GREY



PLATINUM



VANITY



SAND PERSIA



FADED MIX



LIGHT GREY CL122 RAL7004



DARK GREY



ELEGANCE



AUTHENTIC



54398



FADED MIX



66717



ANTHRAZITE CL144 RAL7016

## SOPRALINER 150/100 REINFORCED LINER

Sopraliner model

New

**SOPRALINER**  
SOPREMA

more flexible  
smoother  
more intense colours

### SOPREMA

This world leader in waterproofing systems has launched a reinforced PVC liner called Sopraliner. It is made by impregnating it with high quality raw materials (resins, plasticisers, stabilisers and pigments).

### LINER WITH 4 LAYERS

The reinforced synthetic PVC liner is made up of 4 layers with different compatible formulations, with reinforced polyester between the second and third layer.

This reinforcement makes the liner highly resistant to traction and extremely stable in terms of shrinkage.

### BIO-SHIELD TREATMENT

This protects the liner against the formation of micro-organisms and prevents any molecular changes.

### WARRANTIES

Sopraliner 150 : 10 years.

Sopraliner 150 +: 12 and 3 years against stains caused by bacteria.



### SOPRALINER colours

Model	Sky blue	Blue	Perl Grey	Medium Grey	Basalt Grey	White	Sand	Marbella	Transparent	Bali Stone
SOPRALINER 150	•	•	•	•	•	•	•			
SOPRALINER 150+	•	•	•	•	•	•	•	•		•
SOPRALINER GRIP	•	•	•	•	•	•	•	•		•
LIQUID SOPRALINER	•	•	•	•	•	•	•		•	

**SOPRALINER 150/100 REINFORCED LINER**

SOPRALINER 150 membrane

New

Description	Colour	Code
<b>SOPRALINER 150</b> 1.5 mm PVC reinforced liner with standard protection against UV rays and micro-organisms.  Roll of 1.65 x 25 m.	Blue	108246/AB
	Sky Blue	108246/CA
	Sand	108246/SA
	White	108246/HB
	Pearl Grey	108246/GC
	Medium Grey	108246/GM
	Basalt Grey	108246/GA

SOPRALINER 150+ membrane

New

Description	Colour	Code
<b>SOPRALINER 150+</b> 1.5 mm PVC reinforced liner with coat of varnish that gives greater protection against UV rays and micro-organisms.  Roll of 1.65 x 25 m.	Blue	108248/AB
	Sky Blue	108248/CA
	Sand	108248/SA
	White	108248/HB
	Pearl Grey	108248/GC
	Medium Grey	108248/GM
	Basalt Grey	108248/GA
	Bali Stone	108248/BALI
	Marbella	108248/MMB

SOPRALINER GRIP membrane

New

Description	Colour	Code 5-metres long	Code 10-metres long
<b>SOPRALINER GRIP</b> Anti-slip 1.5 mm PVC reinforced liner .  Roll of 1.65 x 5 m or 1.65 x 10 m.	Blue	108250/AB	108251/AB
	Sky Blue	108250/CA	108251/CA
	Sand	108250/SA	108251/SA
	White	108250/HB	108251/HB
	Pearl Grey	108250/GC	108251/GC
	Medium Grey	108250/GM	108251/GM
	Basalt Grey	108250/GA	108251/GA
	Bali Stone	108250/BALI	108251/BALI
	Marbella	108250/MMB	108251/MMB



LIQUID PVC SOPRALINER

New

Description	Colour	Code
<b>LIQUID SOPRALINER</b> 1 litre tin.	Transparent	108872/FTA
	Blue	108872/AB
	Sky Blue	108872/CA
	Sand	108872/SA
	White	108872/HB
	Pearl Grey	108872/GC
	Medium Grey	108872/GM
	Basalt Grey	108872/GA

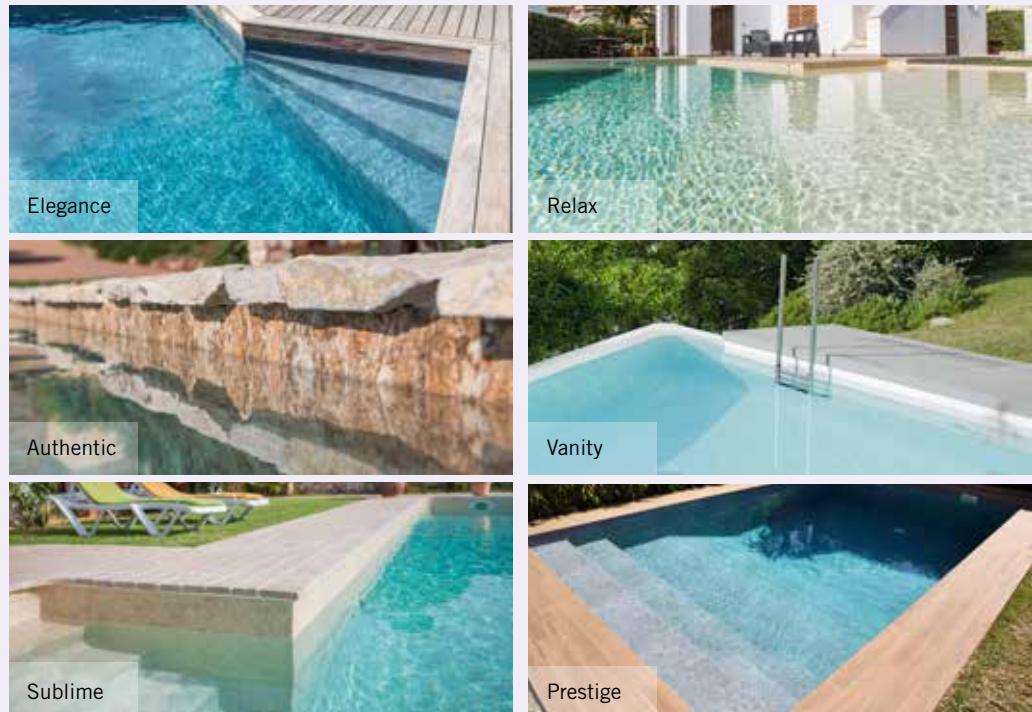
## ALKORPLAN 200/100 REINFORCED LINER

**ALKORPLAN  
TOUCH**

ALKORPLAN TOUCH membrane

New

Inspired by nature, the designs bring beauty, elegance and character to each pool with a surprising touch, inviting you to caress the surface. This revolution in reinforced membranes for the lining of pools is now available in 3D. Surrender to the appeal of TOUCH and make any pool look spectacular.



ALKORPLAN TOUCH colours



Description	Colour	TOUCH 1.65 x 21 m	Antislip 1.65 x 20 m
<b>3D ALKORPLAN TOUCH reinforced membrane inspired by nature</b>	Elegance	<b>58532</b>	<b>58535</b>
	Relax	<b>58533</b>	-
	Authentic	<b>58534</b>	-
	Vanity	<b>67968</b>	
	Sublime	<b>67969</b>	
	Prestige	<b>67970</b>	

## ALKORPLAN 200/100 REINFORCED LINER



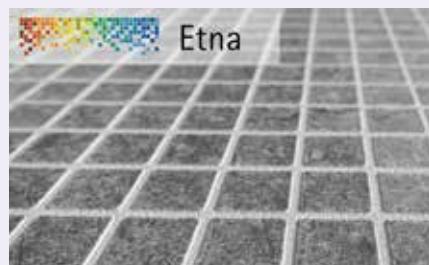
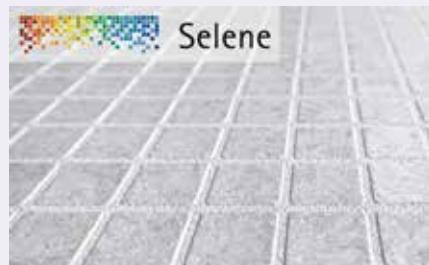
ALKORPLAN CERAMICS reinforced membrane

New

ALKORPLAN CERAMICS is a reinforced 2-mm embossed membrane for pools that imitates the volume of real glass tiling and its joints to look like a mosaic inspired in Greek mythology.

Advantages:

- Watertightness guaranteed.
- Quick to fit in comparison with glass tiling.
- The ceramic pieces on ALKORPLAN CERAMICS do not fall off.
- Minimum maintenance.
- More resistant and long-lasting thanks to its 2-mm thickness.
- Embossed coating that makes it look like real glass tiling.



Description	Colour	Width (mm)	Thickness (mm)	Length (mm)	Code
ALKORPLAN CERAMICS reinforced membrane	Sofia	1,65	2,0	21	<b>70671</b>
	Atenea	1,65	2,0	21	<b>70672</b>
	Selene	1,65	2,0	21	<b>70674</b>
	Etna	2,05	2,0	21	<b>70676</b>

## ALKORPLAN 150/100 REINFORCED LINER

ALKORPLAN  
**XTREME**  
Pools that stand up to anything!!

## ALKORPLAN XTREME membrane

**New**

ALKORPLAN XTREME is the only reinforced membrane in the market whose colour is resistant to chlorine and stains, even those that usually form on the waterline.

ALKORPLAN XTREME is a smooth, flexible and robust reinforced membrane, thanks to the most advanced technological developments, and it has been made to resist the wear and tear inherent to the daily use of a pool. It is even resistant if there is a continuous large influx of swimmers in a pool and aggressive chemical products are used to treat it.

## Colours



Ice



Sahara



Blue Fresh



Blue



Silver

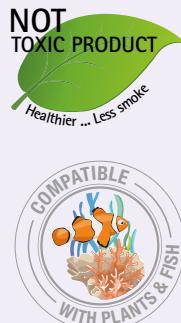


Vulcano



Onix

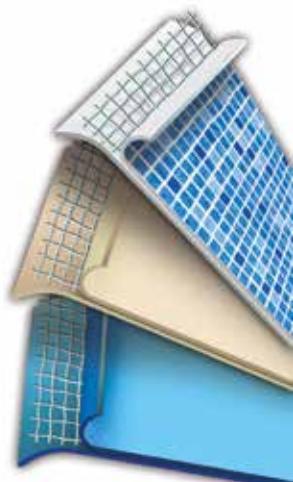
Description	Colour	Width (mm)	XTREME	Anti-slip XTREME
ALKORPLAN XTREME reinforced membrane	Ice	1,65	<b>70199</b>	<b>70229</b>
	Sahara	1,65	<b>70200</b>	<b>70230</b>
	Blue Fresh	1,65	<b>70217</b>	<b>70232</b>
	Blue	1,65	<b>70218</b>	<b>70233</b>
	Silver	1,65	<b>70222</b>	<b>70235</b>
	Vulcano	1,65	<b>70223</b>	<b>70236</b>
	Onix	1,65	<b>70224</b>	<b>69392</b>
	Ice	2,05	<b>70225</b>	-
	Blue Fresh	2,05	<b>70228</b>	-



## ALKORPLAN 150/100 REINFORCED LINER

### ALKORPLAN2000 reinforced membrane

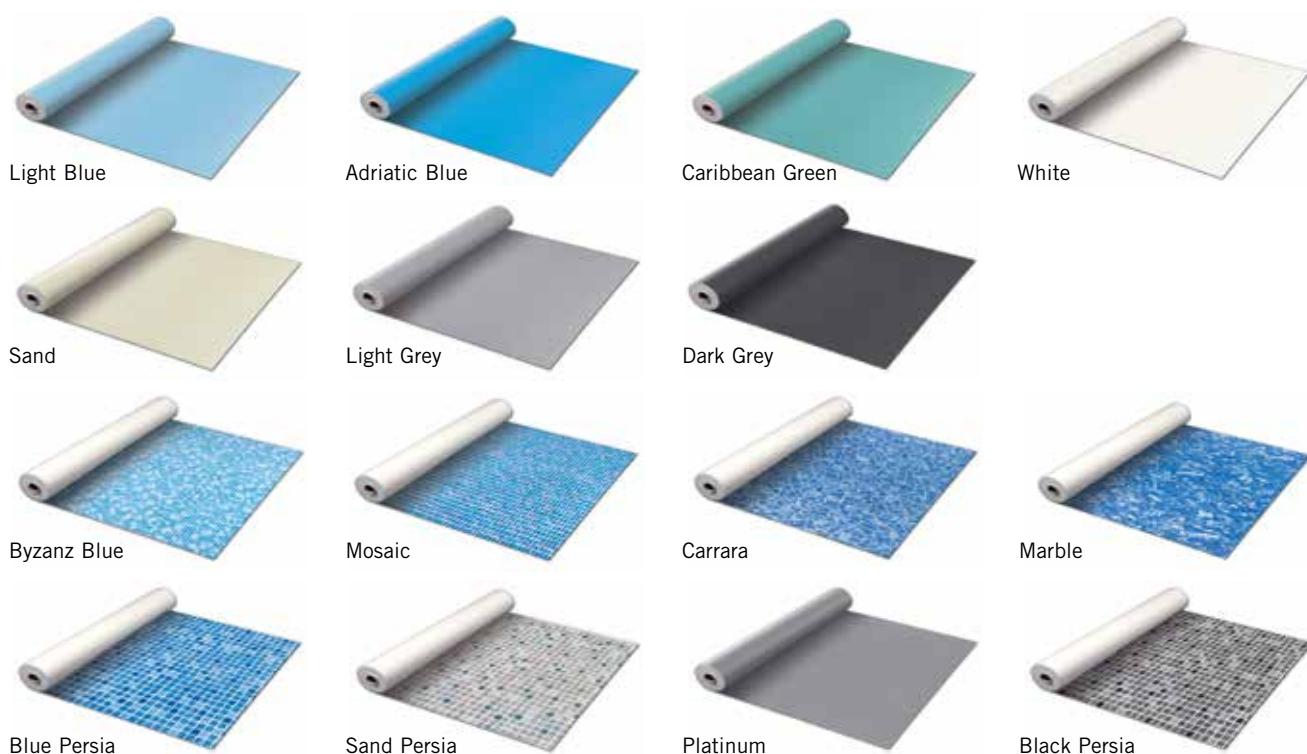
Description	Colour	ALKORPLAN2000 1.65 x 25 m	Anti-slip 1,65 x 20 m
<b>ALKORPLAN2000 reinforced monochrome membrane, coated in a varnish made of a special formulation that protects it from external wear and tear</b>	Light Blue	49908	66117
	Adriatic Blue	49909	66115
	Caribbean Green	49910	66116
	White	49911	66114
	Sand	49912	66118
	Light Grey	49913	66119
	Dark Grey	49914	-



### ALKORPLAN3000 membrane

Description	Colour	ALKORPLAN3000 1.65 x 25 m	Antislip 1,65 x 12,60 m
<b>ALKORPLAN2000 reinforced decorated membrane, coated in a varnish made of a special formulation that protects it from external wear and tear</b>	Byzanz Blue	49916	67285
	Mosaic	49918	-
	Carrara	49919	52611
	Marble	49920	-
	Blue Persia	49921	67283
	Sand Persia	49907	-
	Black Persia	60612	-
	Platinum	49922	-

### AlkorPlan2000 / AlkorPlan3000 colours



## ALKORPLAN LINER ACCESSORIES



ALKORPLUS weld sealant for the ALKORPLAN 2000 and 3000 ranges

Description	Colour	AlkorPlan 2000 and 3000 liquid PVC
Liquid PVC ALKORPLUS for sealing joints (1 litre tins/pack of 6 tins)	Light Grey	52618
	Dark Grey	52619
	Caribbean Green	52620
	White	52622
	Transparent	52623
	Light Blue	52624
	Adriatic Blue	52625
	Sand	52626
	Platinum	52627



## ALKORPLUS TOUCH weld sealant

Specifically for fitting ALKORPLAN TOUCH membranes. Made using an innovative formulations that makes it more resistant to ageing and fading, thus prolonging the pool's service life and its perfect appearance by many years.

Description	Colour	Code
Liquid PVC ALKORPLUS TOUCH for sealing welds	Elegance	60613
	Relax	60614
	Authentic	60615
	Vanity	67971
	Sublime	67972
	Prestige	67973



## ALKORPLAN XTREME weld sealant

New

Description	Colour	Code
ALKORPLAN XTREME weld sealant (1 litre tins/pack of 6 tins)	Ice	70266
	Sahara	70268
	Blue Fresh	70270
	Blue	70272
	Silver	70273
	Vulcano	70274
	Onix	69391



## ALKORPLAN CERAMICS weld sealant

New

Description	Colour	Code
Liquid PVC ALKORPLAN CERAMICS for finished welds (900 g tins/pack of 6 tins)	White	70678

## ALKORPLAN LINER ACCESSORIES



### Strip for installation without overlap

Strip to install the AlkorPlus TOUCH membrane without overlapping, recommended for the swimming pool floor for a flawless visual finish. Its use is recommended with geotextile felt of 300 g or 400 g on the bottom of the pool to prevent visible lumps appearing at the joints and welds.

Description	Colour	Code
<b>Strip for installation without overlap</b>	Grey	<b>60616</b>



### ALKORPLAN geotextile fungicide

New

Felt made up of 400 g/m<sup>2</sup> light blue heat-welded polypropylene fibres treated with metal ion anti-bacterial organic additives to act as a stable fungicide. It is used as a protective layer between the ALKORPLAN membrane and the pool surface to prevent the proliferations of bacteria, fungi and micro-organisms, as well as imitating the irregular embossed surfaces that the pool may have had before fitting the liner. Bathers also find the bottom of the pool much more pleasant when they walk on the membrane.

Description	Width	LENGTH	Colour	Code
<b>ALKORPLAN geotextile fungicide of 400 g/m<sup>2</sup> for butt welding</b>	1.50 m	50 m	Light Blue	<b>69179</b>
<b>ALKORPLAN geotextile fungicide 400 g/m<sup>2</sup></b>	1.65 m	50 m	Light Blue	<b>66381</b>
<b>ALKORPLAN geotextile fungicide 400 g/m<sup>2</sup></b>	2.00 m	50 m	Light Blue	<b>66382</b>



### Public pools

Description	Colour	Code
<b>Lane strips (25 x 0.25 m)</b>	Black	<b>50798</b>

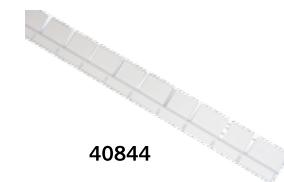
## LINER ACCESSORIES



### Skimmer Adaptor: Skimmer Solution

The skimmer adaptor replaces the need to remove the previous skimmer, as it is inserted into the previous skimmer and sealed using ABS glue or marine silicone. It is only suitable for skimmers with an internal opening of 140 mm x 201 mm

Code	Pack. Standard	Weight kg Standard	Volume in m <sup>3</sup> Standard
<b>55977</b>	1	1.3	-



### Fastening accessories for liners 75/100° for pools under construction



Horizontal Hung PVC 1.5 m x 50 mm (free form)  
 Horizontal hung PVC 2 m x 50 mm  
 Horizontal hung PVC 2 m x 38 mm  
 Angle PVC radius of 15 cm x 50 mm  
 Angle PVC radius of 15 cm x 38 mm

Code	Pack. Standard	Weight kg Standard	Volume in m <sup>3</sup> Standard
<b>40844</b>	-	-	-
<b>05815</b>	-	-	-
<b>09492</b>	-	-	-
<b>05819</b>	-	-	-
<b>09493</b>	-	-	-

#### In Aluminium

Horizontal hung ALU 2 m x 50 mm  
 ALU angle 50 mm (radius of 15 cm)  
 Fastening rivets (Box of 250 units)  
 Flexible fastening strip. Lineal metre

<b>05816</b>	-	-	-
<b>05818</b>	-	-	-
<b>05820</b>	-	-	-
<b>05825</b>	-	-	-



### Fastening accessories for liners 75/100° for pool renovation

Vertical hung PVC 2 m  
 Angle for vertical fastening (radius 15 cm)

Code	Pack. Standard	Weight kg Standard	Volume in m <sup>3</sup> Standard
<b>05817</b>	-	-	-
<b>16194</b>	-	-	-
<b>16175</b>	-	-	-
<b>05820</b>	-	-	-
<b>05825</b>	-	-	-

#### In Aluminium

Vertical hung ALU 2 m  
 Fastening rivets (Box of 250 units)  
 Flexible fastening strip. Lineal metre

## LINER ACCESSORIES



05781

32324

### Accessories for liners 150/100°

	Code	Pack. Standard	Weight kg Standard	Volume in m <sup>3</sup> Standard
Galvanized plate band (2 x 0.05 m)	32324	-	-	-
Applicator bottle (unit)	05780	-	-	-
Band (8 mm)	05781	-	-	-
Solvent THF (1 litre)	05778	-	-	-
Solvent THF (5 litres)	05779	-	-	-
Neoprene glue for PVC (5 Kg)	05784	-	-	-

**Note:** In the event of assembling a liner 150/100° by hung type fastening with an 8 mm strip, the accessories are the same as for liners 75/100° (see next page).



### Adhesives for all types of liners

	Code	Pack. Standard	Weight kg Standard	Volume in m <sup>3</sup> Standard
Adhesive for antibacterial protection (Tin 5 Kg)	25748	-	-	-
Komerling adhesive 1220 (Tube 125 ml)	06655	-	-	-
Komerling adhesive 1220 (Tin 750 ml)	06656	-	-	-



### Liner protection for 75/100° and 150/100°

	Code	Pack. Standard	Weight kg Standard	Volume in m <sup>3</sup> Standard
Protection 300 gr/m <sup>2</sup> AB blue (roll 100 m <sup>2</sup> )	16176	-	-	-



### Rivets

	Code	Pack. Standard	Weight kg Standard	Volume in m <sup>3</sup> Standard
Aluminium rivets.				
Short 15.5 - 4.5 mm 25 x 4,8 mm	12264 53795	4 3	8.85 8.0	0.01 0.01



### Double PVC hem

Welded to the edge of the liner, allows the liner to attach to the pool shell, by using the corresponding profile.

	Code	Pack. Standard	Weight kg Standard	Volume in m <sup>3</sup> Standard
	12184	250 m	9.0	0.036



### ALKORCLEAN waterline degreaser and ALKORPLUS stain remover

The ALKORCLEAN degreaser is recommended for removing grease from the waterline, while the ALKORPLUS stain remover neutralises metal ions in the water such as copper.

The ALKORPLUS stain remover is a liquid to prevent stains by preventing dirt forming on the waterline.

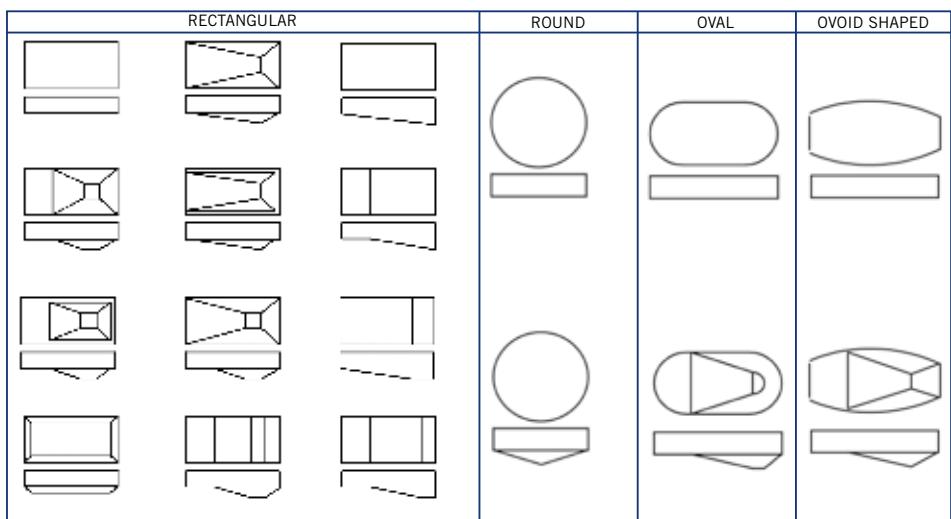
	Code	Pack. Standard	Weight kg Standard	Volume in m <sup>3</sup> Standard
ALKORCLEAN waterline degreaser	55976	-	-	-
Alkorplus stain remover	53898	-	-	-

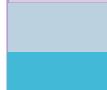
Consult us for pools of different designs and shapes

## CLASSIFICATION OF LINERS DEPENDING ON THE POOL

Standard pool liners 75/100°

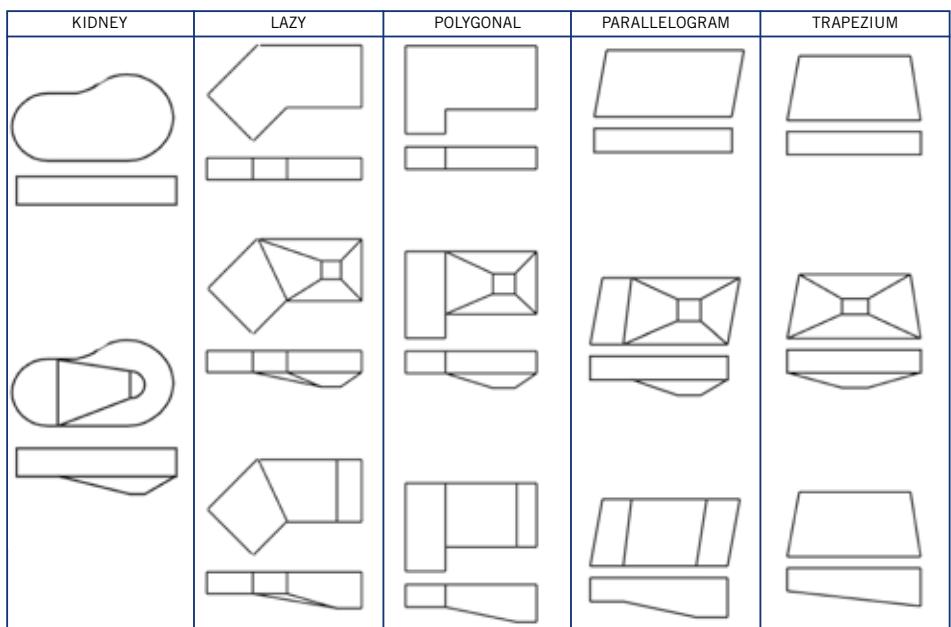
Solid colour models	Code
Light Blue	<b>09278</b>
France blue	<b>09277</b>
Caribbean Green	<b>09281</b> 
white	<b>09279</b> 
Sand	<b>16131</b> 



Printed colour models	Code
	<b>26668</b>
	<b>09280</b>
	<b>16132</b>
	<b>16132V</b>
	<b>16132A</b>
	<b>26669</b>
	<b>26670</b>

Non-standard pool liners 75/100°

Solid colour models	Code
Light Blue	<b>05810</b> 
France blue	<b>05809</b> 
Caribbean Green	<b>05813</b> 
White	<b>05811</b>
Sand	<b>16137</b> 



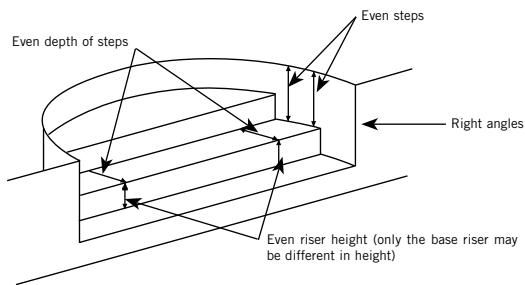
Printed colour models	Code
	<b>26686</b>
	<b>05812</b> 
	<b>16138</b> 
	<b>16138V</b>
	<b>16138A</b>
	<b>26678</b>
	<b>26679</b>

## LINERS FOR STAIRS

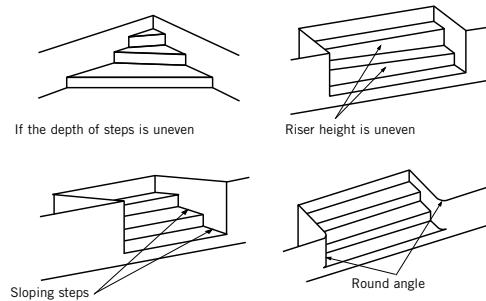
For steps that do not fit the Standard models shown here, request quote.

Below we provide you with the details of the shapes and models you can choose from plain or printed liners to ensure you select the correct liner for your pool steps. Steps that are fitted along the breadth of the basin are invoiced in accordance with the standard model STRAIGHT as long as the width does not exceed 4 meters. Attention: the size of the basin should not include the depth of the steps.

## Standard steps



## Non Standard steps



Steps		Plain Liner	Plain Liner + Bands	Diagram
Shape	Widths	Code	Code	
Straight	0 to 2 meters	<b>05789</b>	<b>05789B</b>	
	3 to 4 meters	<b>05791</b>	<b>05791B</b>	
Roman	0 to 2 meters	<b>16163</b>	<b>16163B</b>	
	2 to 3 meters	<b>25868</b>	<b>25868B</b>	
	3 to 4 meters	<b>05800</b>	<b>05800B</b>	
Right angle	0 to 2 meters	<b>05803</b>	<b>05803B</b>	
	2 to 3 meters	<b>05804</b>	<b>05804B</b>	
¼ Circle	0 to 2 meters	<b>16167</b>	<b>16167B</b>	
	2 to 3 meters	<b>089443</b>	<b>089443B</b>	

Steps		Printed Liner	Printed Liner + Bands	Diagram
Shape	Widths	Code	Code	
Straight	0 to 2 meters	<b>05794</b>	<b>05794B</b>	
	2 to 3 meters	<b>05795</b>	<b>05795B</b>	
	3 to 4 meters	<b>05796</b>	<b>05796B</b>	
Roman	0 to 2 meters	<b>16169</b>	<b>16169B</b>	
	2 to 3 meters	<b>05801</b>	<b>05801B</b>	
	3 to 4 meters	<b>05802</b>	<b>05802B</b>	
Right angle	0 to 2 meters	<b>05806</b>	<b>05806B</b>	
	2 to 3 meters	<b>05807</b>	<b>05807B</b>	
¼ Circle	0 to 2 meters	<b>16173</b>	<b>16173B</b>	
	2 to 3 meters	<b>089446</b>	<b>089446B</b>	

## CONDITIONS FOR ACCEPTING AN ORDER

Note: The colours shown in the catalogue are approximate

### Order:

All orders or enquiries for modifying orders must be made in writing.

For avoiding any delay, the client, at his own risk, must forward the supplier all the necessary liner measurements for executing the work. In case the information supplied by the client is insufficient, he will have to supply the missing information ahead of the manufacturing time.

### Implicit data:

If the following information is not supplied in writing with the order, we shall consider the below mentioned data for the liner manufacture:

- \* Vertical radii of 15 cm.
- \* Horizontal radii of a maximum of 5 cm (in the pool basin only). Hung-type fastening system.
- \* The horizontal measurements taken from the pool basin.
- \* The depth measurements taken from the lower part of the pool's coping stone to the base of the wall.
- \* The diagonal measurements taken of the right angles, not of the radii.

To avoid certain misunderstandings, we suggest you take the following precautions:

### For holding the liner:

\* Specify the type (hung, overlap or V-fasteners); we anticipate that an additional 15 cm of material will be required for the walls if the overlap fastening system is used.

### For steps:

- \* Check whether the angles between the step tread and rise (flat and vertical step surfaces) are truly rectilinear.
- \* Installation of a discharge nozzle in the middle of the first step is highly recommended for holding the liner in place.
- \* At least 30 cm of water should be left in the pool for maintaining the first step.
- \* Avoid designing staircases having more than 5 steps.
- \* To confirm dimensions, give the lengths of each step.
- \* Check the verticality of pool walls. In case of deficient plumbness, enquire about the order viability.
- \* Compound inclination safety ledges should be avoided on the liner.

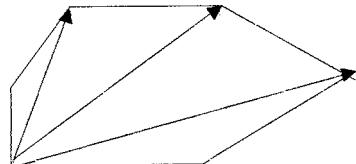
### Taking measurements:

Provide the total lengths and widths.

- \* All heights of the pool basin.
- \* Width of the safety step on each side.
- \* Specify the peripheral size of each side.
- \* Provide the measurements of each corner and slope.
- \* All dimensions should be provided with horizontal and/or vertical measurements.

### If angles are not straight:

- \* Measure all of the diagonals from a single point.
- \* The diagonals of the right angles are only required for irregular shaped pools without right angles.



### Calculation of arcs of circles:

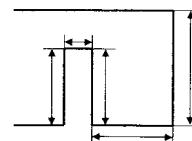
- \* The arcs of circles are calculated by their radius.
- \* If the radius has not been calculated, a template must be used or the triangulation must be calculated to specify it.
- \* Ellipses are calculated using templates (or a grid plan made at intervals of approximately 1 m).

### Sectional views:

- \* Three views are recommended: a top view, a front view and a side view.

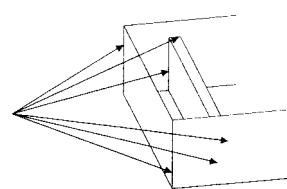
### Templates:

- \* Make templates for the sky and water sides (or one view).
- \* Templates are made for the pool's shell or cover.



### Shuttering:

- \* Specify the measurements of the shuttering as shown in the diagram.
- \* Check that the inside vertical angles of the shutterings are straight.
- \* Check that vertical pool basin angles shuttering are in a straight line.
- \* Check that the horizontal angle of the wall and shuttering are in a straight line.



## GLASS TILING FOR POOLS

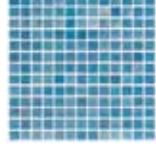
Pearl



54160



57371



62312



67497

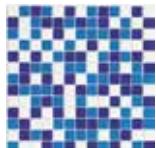


67498

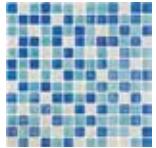


57371

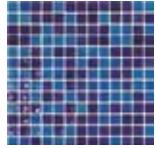
Blue mix



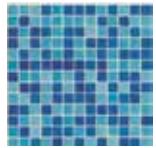
54357



61291



54417



54372



61291

## GLASS TILING FOR POOLS

Lagoon effect



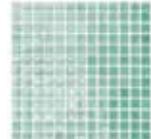
54314



54313



54312



63141



63141

Beach effect



54316



54324



54315



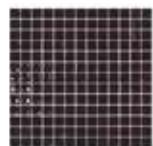
64359 (Matt - C3)



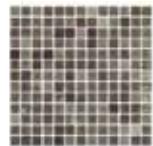
54315

## GLASS TILING FOR POOLS

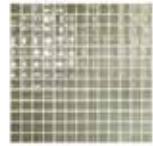
Stone effect



54398



54328



54344



54231 (Matt - C3)



White



60020



54369



54256 (Matt - C3)



## GLASS TILING FOR POOLS

### Anti-slip



54282 (Matt - C3)



54278 (Matt - C3)



54279 (Matt - C3)



### Blue



54403



54399



54400



54365



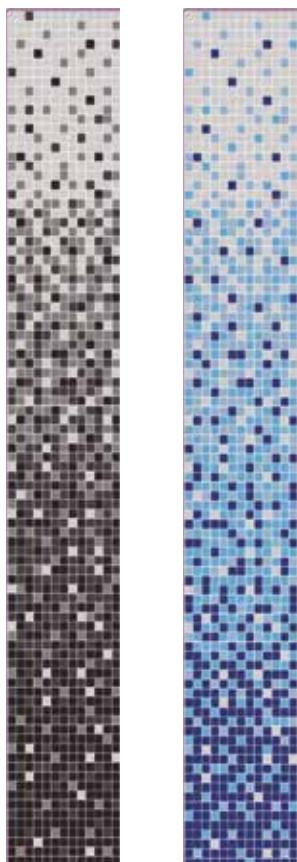
54364



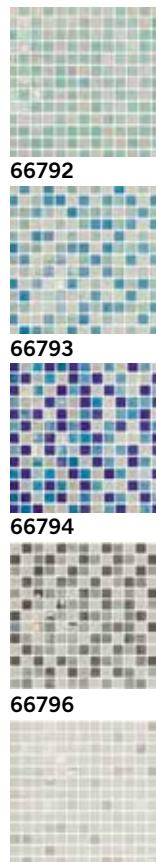
## GLASS TILING FOR POOLS

## Faded

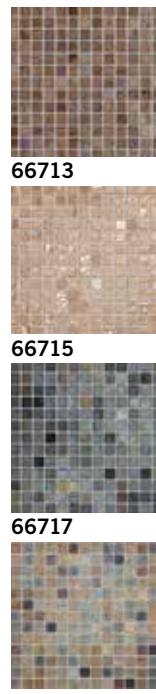
Faded mix  
25P (personalised shades) \*



## PREMIUM PEARL FINISH MIX



## RELIEFS



## CUSTOMISED SHADES



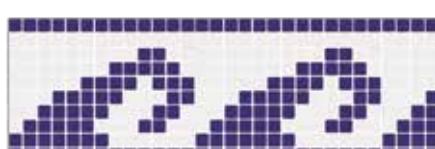
Enter to dimensions to be covered and the selection of colours to be combined to obtain your customised border. Consult your dealer.

\* Ask about shade width and height and colour references of the previous pages

## Patterned borders



22164



16040

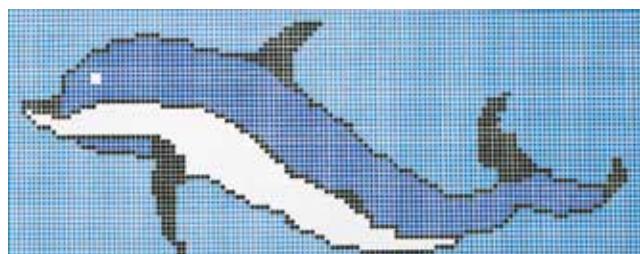
## CUSTOMISED BORDER

Customise your border with any colour combination you wish. Consult your dealer.

## Designs



45160  
COMPASS ROSE  
267 x 267 cm



16043  
DOLPHIN  
333 x 133 cm



45152  
PLAYING DOLPHINS  
300 x 300 cm

## GLASS TILING FOR POOLS

Examples of fade-effect tiling



64426



66792



66796



## GLASS TILING FOR SPAS AND WELLNESS FACILITIES

New Spa & Wellness decoration products

New

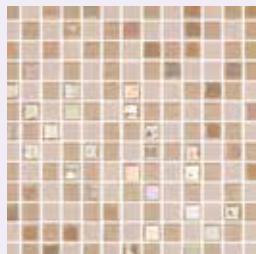
Combinations of glass mosaic tiling in matt, gloss, metallic and iridescent finishes.

- Variations in brightness and colour depending on the exposure to light.
- Resistant to thermal shock, staining, sunlight and presents zero porosity.
- As it is totally stable, easy to clean and fit, it is ideal for decorating interiors and exteriors.

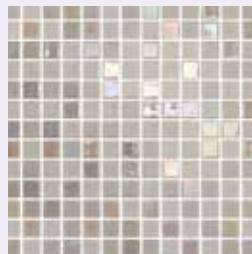
Dimensions of 2.5 x 2.5 plaques: 33.4 x 33.4 cm

Dimensions of 5 x 5 plaques: 30.7 x 30.7 cm

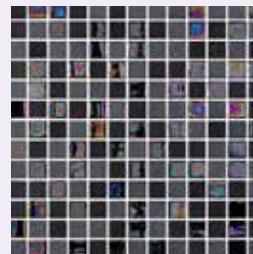
### 2.5 x 2.5 finishes



71180 - Durban



71179 - Milan



71178 - Tokyo

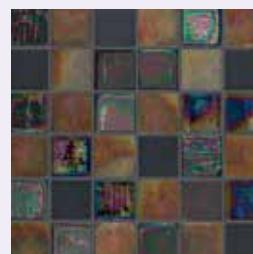
### 5 x 5 finishes



72000 - Bronze



72002 - Cooper



72010 - Gold



72008 - Oxid



72006 - Silver

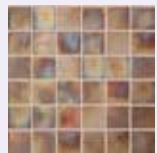


72004 - Steel

## GLASS TILING FOR SPAS AND WELLNESS FACILITIES

Examples of projects carried out using a 5 x 5 finish

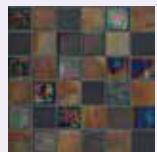
New



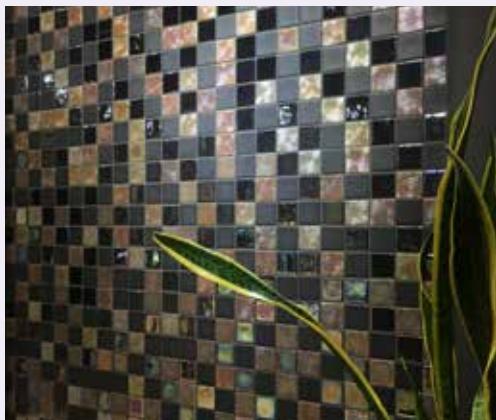
72000



72002



72010



72008



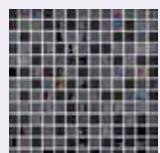
72006



72004



71180

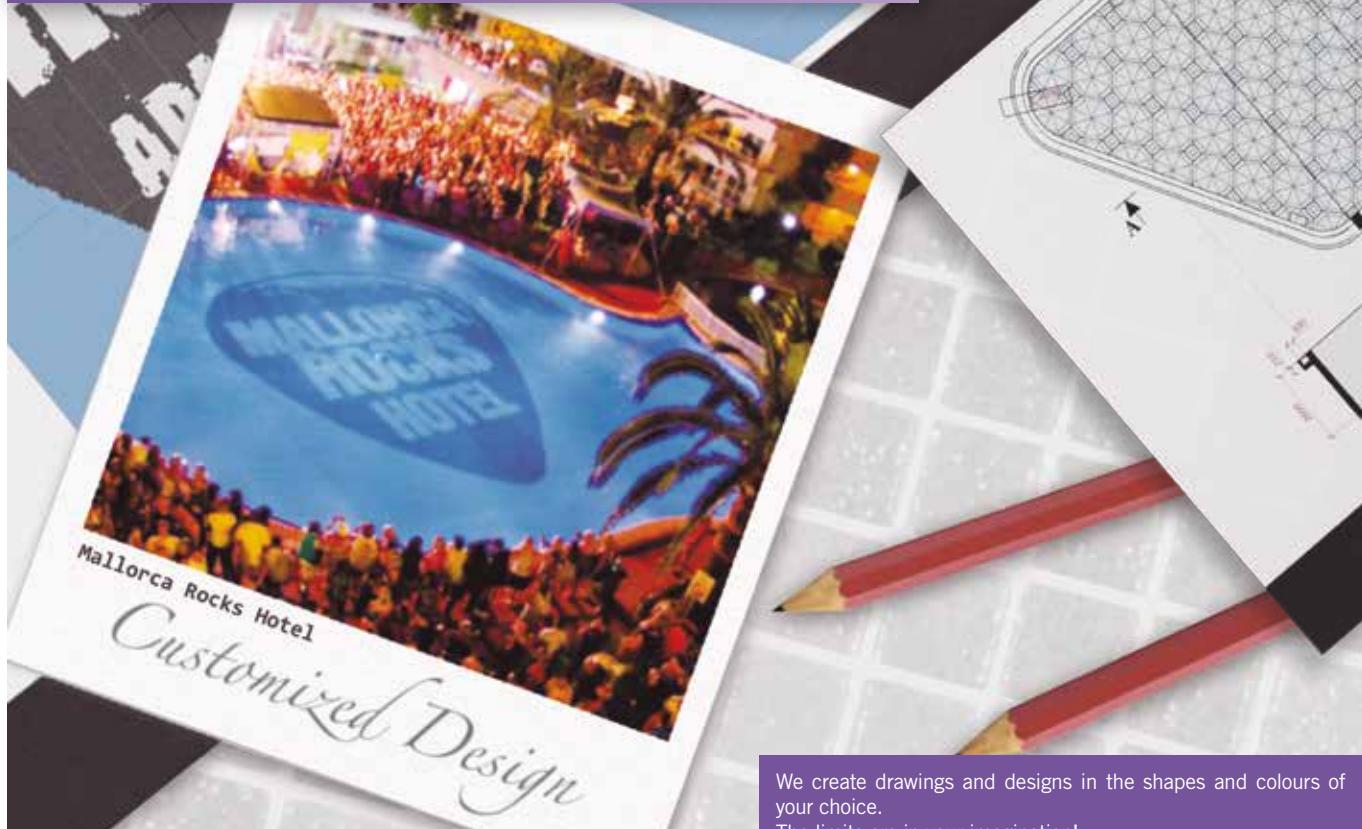


71178



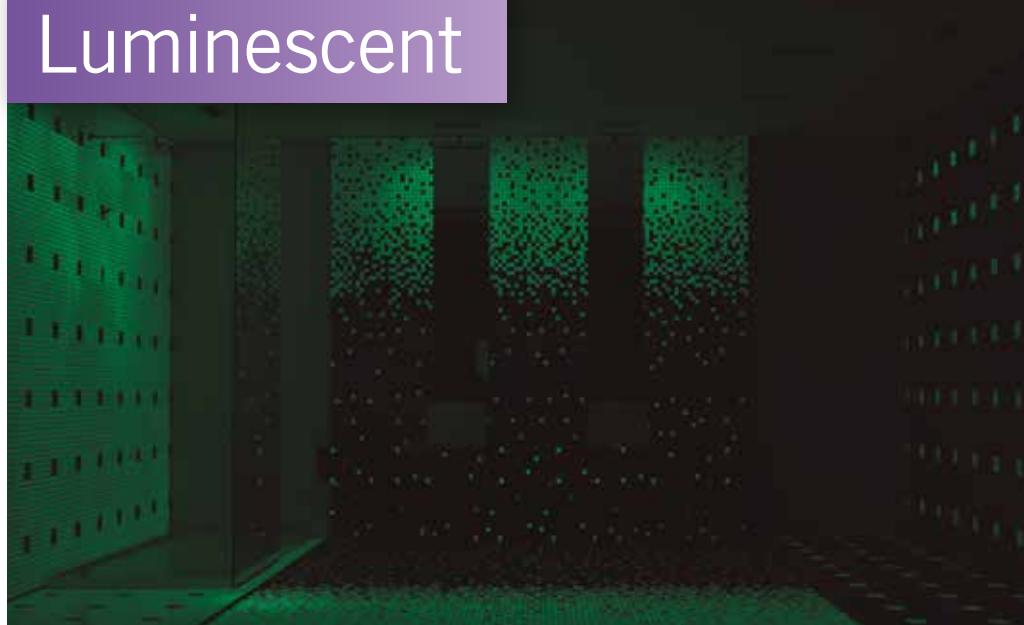
## GLASS TILING: PROJECTS

## Customised projects



We create drawings and designs in the shapes and colours of your choice.  
The limits are in your imagination!

## Luminescent



54390

Our luminescent mosaic  
is ideal for signage.  
It shines in the dark!

## GLASS TILING: TECHNICAL SPECIFICATIONS

### Packing list

PLAIN / FOG / TOGAMA MIX / MATT - NON-SLIP / PEARL/DIGITAL FLASH\*\* / LUMINESCENT/DRAWINGS\*

Packaging list	Dimensions/Plate	m <sup>2</sup> / Box	m <sup>2</sup> / Plate	Kg / Box	Box / Pallet	m <sup>2</sup> / Pallet	Kg / Pallet
2.5 x 2.5 cm	33.4 x 33.4 cm	2	0,115	18	72	144	1306

### PATTERNEED BORDERS

Packaging list	Dimensions/Plate	m <sup>2</sup> / Box	Kg / Box	Box / Pallet	m <sup>2</sup> / Pallet	Kg / Pallet
<b>22164</b> 2.5 x 2.5 cm.	18 x 31.5 cm	11	18	72	792	1306
<b>16040</b> 2.5 x 2.5 cm.	25.5 x 33.4 cm	6	18	72	432	1306

### Technical specifications

Standard	Description of standard	Plain	Fog	Non-slip matt	Pearl	Flash Digital
UNE-EN 10545-3:1997	Water absorption	< 0,10%	< 0,10%		< 0,10%	< 0,10%
UNE-EN 10545-12:1997	Scratch resistance	Resistant	Resistant	Resistant	Resistant	Resistant
UNE-EN 10545-13:1997	Chemical resistance	UA/ULA/UHA	UA/ULA/UHA	UA/ULA/UHA	UA/ULA/UHA	UA/ULA/UHA
UNE-EN 10545-14:1998	Stain resistance	Class 5	Class 5		Class 5	Class 5
UNE 67-101:1985+1M:92	Mohs scale resistance to surface scratching	4	4	6	5	5
UNE-ENV 12633:2003 ANNEX A	Resistance to slipping (Pendulum)			Class 3		
DIN 51130:2010 Section 5	Critical angle of displacement (ramp)			R13		
DIN 51097:1992	Critical slip angle in wet areas where people walk barefoot			Class C		
ISO/DIS 10545-17:1998 ANNEX A	Dynamic friction coefficient (Tortus)			Excellent		

### Recycled product - Sustainable product

ENVIRONMENTAL PRODUCT SELF-DECLARATION Pursuant to UNE-EN ISO 14021

1m <sup>2</sup> of glass mosaic tiling (including mesh)	Brand
Total solid content (kg/m <sup>2</sup> )	9.97
Content of solid virgin matter	1.25
Minimum content of after-consumption recycled material (kg/m <sup>2</sup> )	8.72
MINIMUM CONTENT OF RECYCLED MATERIAL (%) [X = A / A.P.100]	87.4

### Finishes - Polyurethane knit



- Resistance
- Durability
- Does not get into joints
- Flexibility
- Easy to place
- Excellent grip

MADE IN SPAIN



87 %

\* The borders and patterns are on paper. (Once applied to the mosaic tiling the paper must be removed).

\*\* Digital flash on a transparent film finish. (Once applied to the mosaic tiling the film must be removed)





## COVERS AND ROLLERS

### Thermal and protective covers

- 315 • Thermal covers - Bubble
- 316 • Premium thermal covers for summer
- 317 • Thermal covers - Foam
- 318 • Protection covers for winter
- 319 • Accessories for covers
- 319 • Reinforced PVC protection covers
- 321 • Storage rollers for covers

### Automatic covers

- 324 • General information
- 326 • Above-ground models
- 330 • In-ground models
- 335 • Demonstration models
- 339 • PVC slats
- 340 • Step slats
- 341 • Polycarbonate slats and steps
- 342 • Liner accessories
- 343 • Wireless remote controls with key
- 344 • Manufacturer's specifications
- 345 • Technical specifications

## AUTOMATIC COVERS: COMPARISON

Model comparison

	Above-ground				In-ground				
	N-Carlit		Capcir		Dry decking			In-ground decking	
	N-Carlit	N-Carlit Solar	Capcir	Capcir Solar	Roussillon Dry well	Roussillon Motor in the shaft	Roussillon Motor at water level	Roussillon Dry well	Roussillon Motor in the shaft
									
<b>Maximum dimensions (m)</b>	14 x 7.5	12 x 6	14 x 6	12 x 6	20 x 11	12 x 8	12 x 6	Consult	Consult
<b>Power</b>	Supply	Solar	Supply	Solar	Supply	Supply	Supply	Supply	Supply
<b>Warranty (motor and distribution board)</b>	3 years	3 years	3 years	3 years (battery 1 year)	5 years	4 years	4 years	5 years	4 years
<b>Safety (NFP 90-308 compliant)</b>	✓✓✓✓	✓✓✓✓	✓✓✓✓	✓✓✓✓	✓✓✓✓	✓✓✓✓	✓✓✓✓	✓✓✓✓	✓✓✓✓
<b>Energy savings</b>	✓✓✓✓	✓✓✓✓	✓✓✓✓	✓✓✓✓	✓✓✓✓	✓✓✓✓	✓✓✓✓	✓✓✓✓	✓✓✓✓
<b>User-friendly</b>	✓✓✓✓	✓✓✓✓	✓✓✓✓	✓✓✓✓	✓✓✓✓	✓✓✓✓	✓✓✓✓	✓✓✓✓	✓✓✓✓
<b>Stylish</b>	✓✓	✓✓	✓✓	✓✓✓	✓✓✓✓	✓✓✓✓	✓✓✓✓	✓✓✓✓	✓✓✓✓
<b>Installation in existing pool</b>	✓✓✓	✓✓✓✓	✓✓✓	✓✓✓✓	✓✓	✓✓	✓✓	✓✓	✓✓
<b>Installation in new-build pool</b>	✓✓✓✓	✓✓✓✓	✓✓✓✓	✓✓✓✓	✓✓✓✓	✓✓✓✓	✓✓✓✓	✓✓✓✓	✓✓✓✓
<b>PVC slats can be fitted</b>	✓✓✓✓	✓✓✓✓	✓✓✓✓	✓✓✓✓	✓✓✓✓	✓✓✓✓	✓✓✓✓	✓✓✓✓	✓✓✓✓
<b>Polycarbonate slats can be fitted</b>	✓✓✓✓	✓✓✓✓	✓✓✓✓	✓✓✓✓	✓✓✓✓	✓✓✓✓	✓✓✓✓	✓✓✓✓	✓✓✓✓

\* Only motor

Accessories appear on  
page 319 of the catalogue

## THERMAL COVERS - BUBBLE



**Blue bubble**



**Blue-black bubble**

### Floating Isothermal "Bubble" Covers

- **Composition:** Polyethylene-based material.
- **Joint:** Ultrasonic welding.
- **Edges:** Sewn polyethylene trims.
- **NB model:** Cut only - no trim.
- **Eco model:** Trimmed on both width sides
- **Deluxe model:** Perimeter trim.
- **Fastening:** Eyelets at either end on primary width side.  
Eyelets approx. every 65 cm on secondary width side.
- **Composition:** Nickel-plated brass eyelet.
- **Packaging:** Supplied in a cardboard box with a protective cover and instruction handbook.
- **Thickness:** 400 µm.

Model	Pool Type	Code	Pack. Standard	Weight kg Standard	Volume in m <sup>3</sup> Standard
NB Blue	Standard	<b>09296</b>	-	-	-
Eco Blue	Standard	<b>09294</b>	-	-	-
Eco Blue	Freeform	<b>06214</b>	-	-	-
Deluxe Blue	Standard	<b>09295</b>	-	-	-
Deluxe Blue	Freeform	<b>03975</b>	-	-	-
Deluxe Blue-Black	Standard	<b>16185</b>	-	-	-
Deluxe Blue-Black	Freeform	<b>11483</b>	-	-	-



**NB**



**ECO**

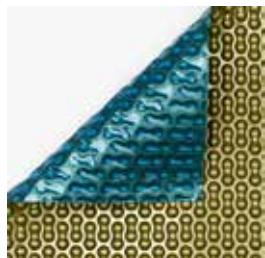
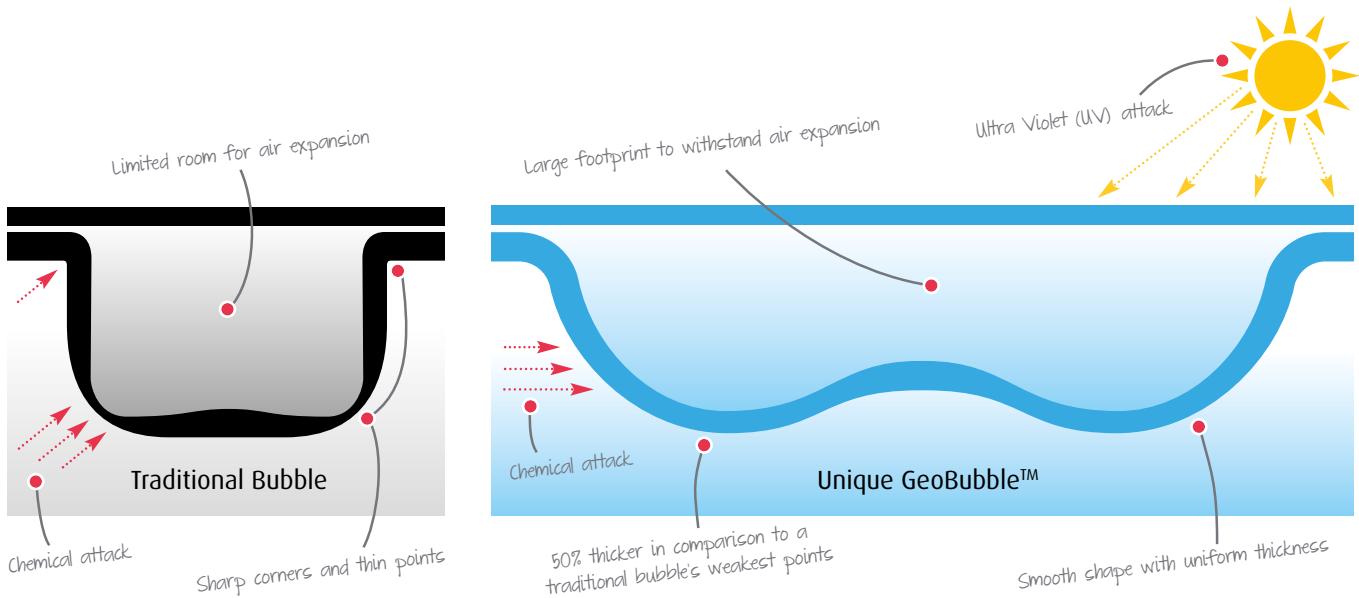


**Luxe**

### Steps and accessories bubble models

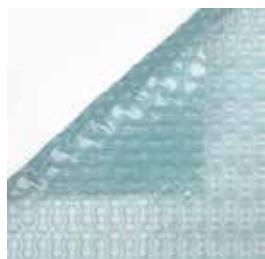
	Code	Pack. Standard	Weight kg Standard	Volume in m <sup>3</sup> Standard
Straight stairs fixed price	<b>06215</b>	-	-	-
Roman stairs fixed price	<b>06217</b>	-	-	-
Other stairs fixed price	<b>06218</b>	-	-	-
Special cut pieces for stairs	<b>03976</b>	-	-	-
Additional nickel-plated brass eyelet	<b>04001</b>	-	-	-

## PREMIUM THERMAL COVERS FOR SUMMER



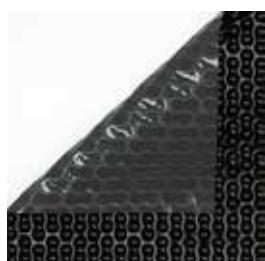
GeoBubble 500 µm model - Dark blue/Gold

	Pool Type		
	Standard shape	Non-Standard	Freeform
Without border	075549	075550	075551
Duo	075552	075553	075554
Luxe	075555	075556	075557



GeoBubble 500 µm model -Sun+Guard

	Pool Type		
	Standard shape	Non-Standard	Freeform
Without border	075558	075559	075560
Duo	075561	075562	075563
Luxe	075536	075537	075538



GeoBubble 500 µm model - EnergyGuard

	Pool Type		
	Standard shape	Non-Standard	Freeform
Without border	075564	075565	075566
Duo	075567	075568	075569
Luxe	075570	075571	075572

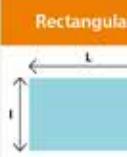
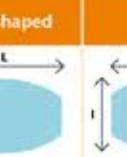
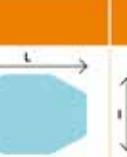
## Ladders for GeoBubble 500 µm models

	Code	Pack. Standard	Weight kg Standard	Volume in m³ Standard
Straight stairs	079833	-	-	-
Roman stairs	079834	-	-	-
Other stairs	079835	-	-	-

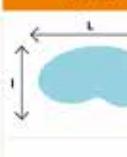
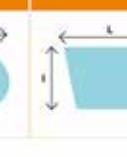
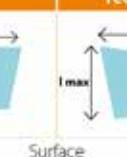
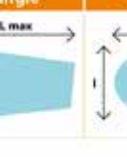
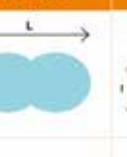
Accessories appear on page 319 of the catalogue

## PREMIUM THERMAL COVERS FOR SUMMER

### Standard pool types

Rectangular	Oval	Ovoid shaped	Cut rectangle	Round
				
Surface $S = L \times I$				Surface $S = D \times D$

### Freeform pool types

Kidney	Asymmetrical rectangle	Eight-shape	Polygonal	Polygonal v2
				
Surface $S = L \times I$				Surface $S = (L_1 + L_2) \times I_{max}$

### Freeforms

Any non-standard shape requiring a template for manufacture will be considered free-form.

Describes the basin shape in a rectangle; L is length and I is height.

Surface area:  $S = L \times I$

Shapes must be measured correctly for adaption to established templates. If the basin is free-form and standard templates cannot be used, an additional amount will be applied.

Templates must be checked in-factory and with the lines perfectly visible in order to prevent against misinterpretations.

### Price calculation

B x Price / m <sup>2</sup>
+ Ladder
+ Cut-out
+ Transport
= Total PRICE

## THERMAL COVERS - FOAM



### 5 mm foam model

#### Composition:

Material based on cross-linked polyethylene foam.

• Joint: Thermal welding with double-sided polyethylene tape.

• Edges: Sewn PVC trim.

• Eco model: Trimmed on both width sides

• Deluxe model: Perimeter trim.

• Fastening: Eyelets at either end on primary width side.

• Composition: Eyelets approx. every 65 cm on secondary width side.

• Option: Nickel-plated brass eyelet.

• Packaging: Polyethylene foam floating reinforcement on width side.

• Thickness: Supplied rolled up with a protective cover.

5 mm.

**Classification:** Covers are classified as: standard, non-standard or free-form, based on the different shapes defined in the catalogue.

• Eco models are trimmed on both width sides.

• Deluxe models have a perimeter trim.

	Pool Type	Code	Pack. Standard	Weight kg Standard	Volume in m <sup>3</sup> Standard
Eco Model	Standard	09297	-	-	-
	Non-standard	03983	-	-	-
Deluxe Model	Freeform	03992	-	-	-
	Standard	09298	-	-	-
	Non-standard	03991	-	-	-
	Freeform	03984	-	-	-



Further information in **PRODUCTS**  
www.astralpool.com

## PROTECTION COVERS FOR WINTER

**Attention: Unless specified in the order, the stair cover is supplied welded to the pool cover, applying the corresponding surcharge.**



BLUE INTERSUP



BLUE LUXE INTERSUP

### Steps and various foam models

	Code	Pack. Standard	Weight kg Standard	Volume in m <sup>3</sup> Standard
Straight stairs fixed price	<b>06215M</b>	-	-	-
Roman stairs fixed price	<b>06217M</b>	-	-	-
Other stairs fixed price	<b>06218M</b>	-	-	-
Special cut pieces for stairs	<b>03993</b>	-	-	-
Additional nickel-plated brass eyelet	<b>04001</b>	-	-	-

### PVC Intersup opaque model - blue/ivory

	Code	Pack. Standard	Weight kg Standard	Volume in m <sup>3</sup> Standard
<b>Pool Type</b>				
Eco Model				
Standard	<b>09338</b>	-	-	-
Freeform	<b>06198</b>	-	-	-
Deluxe Model				
Standard	<b>09339</b>	-	-	-
Freeform	<b>06208</b>	-	-	-

### PVC Intersup opaque model - green/ivory

	Code	Pack. Standard	Weight kg Standard	Volume in m <sup>3</sup> Standard
<b>Pool Type</b>				
Eco Model				
Standard	<b>09526</b>	-	-	-
Freeform	<b>09528</b>	-	-	-
Deluxe Model				
Standard	<b>09529</b>	-	-	-
Freeform	<b>09531</b>	-	-	-

### Steps and others for Intersup models

	Code	Pack. Standard	Weight kg Standard	Volume in m <sup>3</sup> Standard
Straight stairs fixed price	<b>05755</b>	-	-	-
Roman stairs fixed price	<b>05756</b>	-	-	-
Other stairs fixed price	<b>06219</b>	-	-	-
Special cut pieces for stairs	<b>03869</b>	-	-	-
Additional nickel-plated brass eyelet	<b>04001</b>	-	-	-

#### TECHNICAL SHEET Intersup Eco Covers

Composition	550 g/m <sup>2</sup> double-sided coated PVC fabric.
Joints	High frequency welding.
Borders	Perimeter fold joined by high frequency weld
Fixing	using pairs of nickel-plated brass eyelets + Double pressed tensor rubber + S.S. anchoring fixture Distance between rubber tensors = 70 cm Distance between eyelets = approx. 20 cm
Grille	Centrally located drainage grid screen in pre-shrunk PVC fabric joined by high frequency welding
Packaging	Supplied in a cardboard box with an instruction handbook.

#### TECHNICAL SHEET Deluxe Intersup Covers

Composition	550 g/m <sup>2</sup> double-sided coated PVC fabric.
Joints	High frequency welding.
Borders	Perimeter fold joined by high frequency weld
Fixing	With straps + Dynamometric tensor + S.S. anchoring fixture Separation between tape - approx. 1 m. Overlap - 50 cm
Grille	Centrally located drainage grid screen in pre-shrunk PVC fabric joined by high frequency weld
Packaging	Supplied in a cardboard box with an instruction handbook.

## POOL COVER ACCESSORIES

S.S. Spike - 03994



S.S. Spike for lawn - 05732



Retractable spike - 40950



Concealable anchoring, with spring - 03995



Dynamometric spring - 03996



### Accessories

		Code	Pack. Standard	Weight kg Standard	Volume in m <sup>3</sup> Standard
S.S. Spike	Per unit	03994	-	-	-
S.S. Spike for lawn	Per unit	05732	-	-	-
Retractable cylindrical spike	Per unit	40950	-	-	-
Retractable anchoring, with spring	Per unit	03995	-	-	-
Dynamometric spring	Per unit	03996	-	-	-
1.50 m black strap for roller	Per unit	25980	-	-	-
8 mm rubber tensor	m <sup>2</sup>	03998	-	-	-
8 mm x 60 cm Cabiclic rubber tensor	Per unit	03999	-	-	-
Ø 10 x 80 mm rust-proof sheath	Per unit	05736	-	-	-
Complete 2 piece hole cover	Per unit	05734	-	-	-
Fixkit clip with rubber tensor	Per unit	09439	-	-	-
<b>Roller 1.50 m black strap - 25980</b>					
<b>8 mm rubber tensor - 03998</b>					
<b>60 cm Cabiclic rubber tensor - 03999</b>					
<b>Rubber tensor with hooks - 05734</b>					
<b>Fixkit clip with rubber tensor - 09439</b>					
<b>25 cm Cabiclic rubber tensor - 05736</b>					

## REINFORCED PVC PROTECTION COVERS

Safety cover to prevent children under 5 from getting into the pool. Compliant with standard NFP 90-308. For in-ground pool max. 11 x 5 metres (+ ladder). Allow at least 30 cm on each side of the pool (e.g., pool of 10 x 5 metres, cover of 10.60 x 5.60 m). Can be used all year round as it protects the pool from dirt in summer and winter and diminishes the proliferation of bacteria and algae.

### Tramuntana cover

- Composition:** 580 g/m<sup>2</sup> PVC cloth reinforced with aluminium rods approx. every 1.50 m.
- Joint:** High frequency weld.
- Edges:** 6 cm double-edge welded along the whole length with anti-lift tapes inside.
- Reinforcements:** Anti-abrasion PVC slides in each rod at the level of the coping.
- Fastenings:** Tapes and stainless steel hooks. Cylindrical stainless steel/aluminium stakes.
- Drainage:** Holes for draining rainwater across the whole width of each rod.
- Rolling:** 1 or 2 cranks, depending on cover size.
- Packaging:** Cardboard and instruction handbook.



Colour	Code
Blue/Beige	40939
Green/Beige	40940
Almond/Beige	40941
Beige/Beige	40942
Medium grey / beige	099025

	Code	Pack. Standard	Weight kg Standard	Volume in m <sup>3</sup> Standard
	40939	-	-	-
	40940	-	-	-
	40941	-	-	-
	40942	-	-	-
	099025	-	-	-



Further information in **PRODUCTS**  
[www.astralpool.com](http://www.astralpool.com)

## REINFORCED PVC PROTECTION COVERS



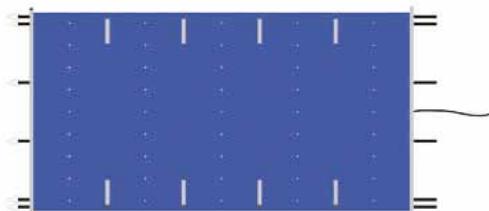
### Reduction gear crank system

A handle is used for pools smaller than 9 m and two handles for pools bigger than 9 m. The handle fits into one of the rods and will allow the cover to be rolled.

	Code	Pack. Standard	Weight kg Standard	Volume in m <sup>3</sup> Standard
Demultiplication handle	<b>41223</b>	-	-	-

### Steps for Tramuntana cover

	Code	Pack. Standard	Weight kg Standard	Volume in m <sup>3</sup> Standard
Fixed price straight steps	<b>40947</b>	-	-	-
Trim for steps	<b>40948</b>	-	-	-
Profile for wide steps	<b>42411</b>	-	-	-



## STORAGE ROLLERS FOR COVERS

Central pipe in anodised aluminium



Other lengths, available on request

### Ø 100 mm

- Fixed pipe, length 4.5 m
- Fixed pipe, length 5.5 m
- Fixed pipe, length 6.6 m (2 rubber bands included)
- Telescopic pipe, length 4 - 5.5 m
- Telescopic pipe, length 5 - 6.6 m

Code	Pack. Standard	Weight kg Standard	Volume in m <sup>3</sup> Standard
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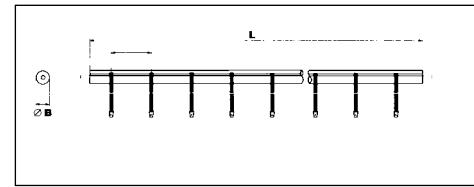
<b>07622</b>	1	12.0	0.059
<b>07623</b>	1	14.3	0.071
<b>07624</b>	1	17.4	0.084
<b>07625</b>	1	12.8	0.054
<b>07626</b>	1	15.5	0.067

### Ø 80 mm

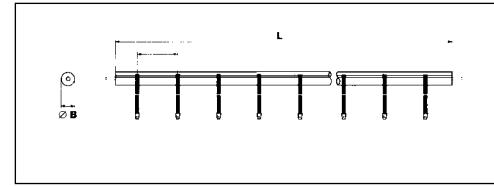
- Telescopic pipe, length 4 - 5.5 m
- Telescopic pipe, length 5 - 6.6 m

<b>24762</b>	1	10.3	0.035
<b>30806</b>	1	12.3	0.043

### Fixed pipe



### Telescopic pipe



Pipe code	L (m)	Ø B (mm)	Nº straps
<b>07622</b>	4.5	100	8
<b>07623</b>	5.5	100	8
<b>07624</b>	6.6	100	10

Pipe code	L (m)	Ø B (mm)	Nº straps
<b>07625</b>	4.0 - 5.5	95/100	8
<b>07626</b>	5.0 - 6.6	95/100	8
<b>24762</b>	4.0 - 5.5	75/80	8
<b>30806</b>	5.0 - 6.6	75/80	8



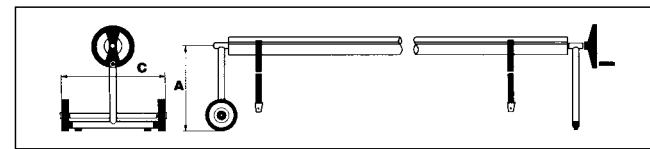
### Stainless Steel mobile support

A set of 2 supports, one "T" end fixed support and the other end support with wheels. Includes 8 straps to tie the cover.

Supports in AISI-304

Code	Pack. Standard	Weight kg Standard	Volume in m <sup>3</sup> Standard
<b>07628</b>	1	7.2	0.035

Tube shown in the photo not included in supply



Code	A (mm)	C (mm)
<b>07628</b>	500	650

Further information in PRODUCTS  
[www.astralpool.com](http://www.astralpool.com)

## STORAGE ROLLERS FOR COVERS



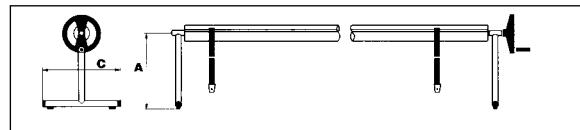
Stainless Steel fixed end brackets

Set of 2 brackets in "T" shape in AISI-304. Includes steering wheel operation with 8 straps for fixing the cover.

A set of 2 "T" brackets

Code	Pack. Standard	Weight kg Standard	Volume in m <sup>3</sup> Standard
07631	1	4.8	0.035

Tube shown in the photo not included in supply



Pipe code	A (mm)	C (mm)
07631	500	514



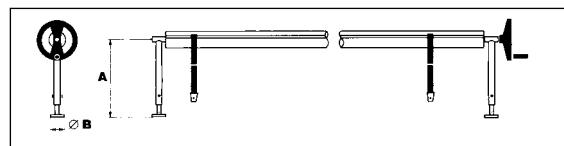
Fixed support for roller

Two flange fixing supports with adjustable height from 500-800 mm in AISI-304. Fixed to the floor with flanges. Includes 8 straps for fixing the cover.

Supports in AISI-304

Code	Pack. Standard	Weight kg Standard	Volume in m <sup>3</sup> Standard
07629	1	7.2	0.029

Tube shown in the photo not included in supply



Code	A (mm)	B (mm)
07629	500 to 800	100



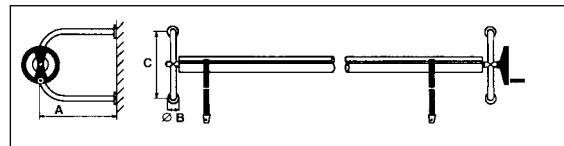
Wall support for roller

Pair of wall fixing supports. In S.S. AISI-304. Includes 8 straps for fixing the cover.

Supports in AISI-304

Code	Pack. Standard	Weight kg Standard	Volume in m <sup>3</sup> Standard
07630	1	6.6	0.087

Tube shown in the photo not included in supply



Code	A (mm)	B (mm)	C (mm)
07630	500	100	500

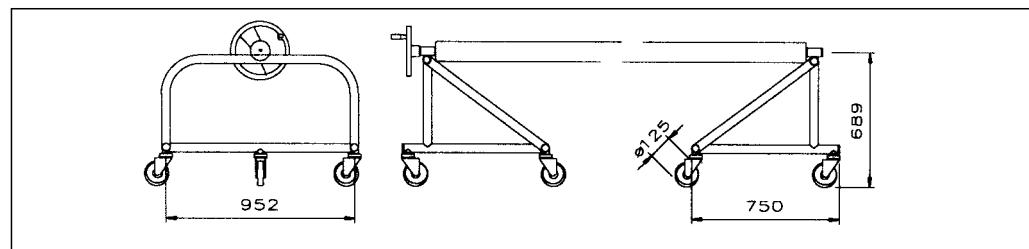
## STORAGE ROLLERS FOR COVERS



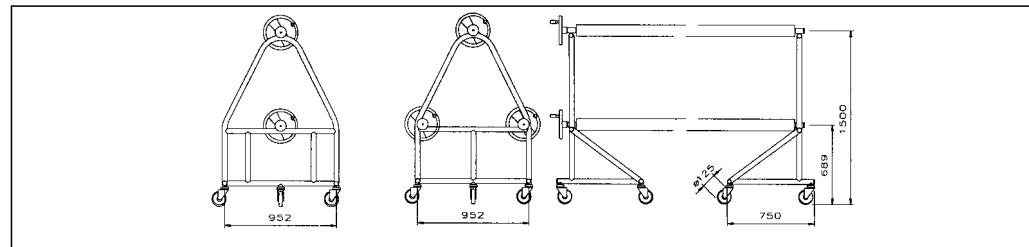
## Roller supports for larger pools

Suitable for fixed roller pipes 07622, 07623 and 07624 or telescopic pipes 07625 and 07626, with 1, 2 or 3 rollers and steering wheels and rotating bar wheel for handling covers. Contains of 2 Stainless Steel AISI-304 structures with wheels (1 set with brakes) to move the roller. Includes 8 straps per roller.

	Code	Pack. Standard	Weight kg Standard	Volume in m <sup>3</sup> Standard
2 mobile supports with 1 roller pipe	15836	1	36.4	0.937
2 mobile supports with 2 roller pipes	15835	1	27.4	1.46
2 mobile supports with 3 roller pipes	15834	1	28.4	1.46



Mobile supports with 1 pipe. - Dimensions in mm.



Mobile supports with 2 and 3 roller pipes. - Dimensions in mm.

## AUTOMATIC COVERS

### The AstralPool automatic cover

AstralPool is continually incorporating the latest innovations to its products in matters of safety. As such the automatic pool covers have been developed to meet the demands of the French standard NF P90 308, which guarantees maximum user safety.

The AstralPool automatic covers cover the whole pool and are easily rolled up or spread thanks to their built-in motorized roller. The turning of a key is all that is needed to get it working.

Manufactured in rigid slats available in various colours, the design and composition produce a floating cover that fits over the entire pool and makes for very effective heat insulation. We have seven models to cover the equipment needs of new and existing pools: the submerged Roussillon models, the above-ground Carlit models and the above-ground model with a bench, Capcir.

Roussillon submerged automatic models allow for seamless integration with the pool. The roller mechanism is located in a separate sunken compartment sectioned off from the pool by a brick or PVC panel.

The above-ground models (Carlit) are ideal for already existing pools as the winding shaft is fastened in place to the pool decking.

The above-ground models with protective casing (Narbonne) are the basic above-ground models which can be complemented with a bench that covers the mechanical installation, giving it a high-quality finish. For installation in existing swimming pools.

### Main advantages

- Increased safety in the swimming pool to protect people and pets from falling accidentally into it. The floating slats cover the entire water surface.\*
- Very convenient to use, the swimming pool is covered and uncovered in silence by simply turning a key.
- Represents considerable savings:
  - It acts as a thermal barrier preventing heat losses and extending the pool use season.
  - It is a basic complement for pool heating.
  - It prevents evaporation, therefore it saves water.
  - It reduces algae formation, which results in an important saving in chemical products.
- In indoor pools no condensation is produced in the enclosed hall, thus avoiding deterioration of building materials.
- Lower maintenance costs: reduction of suspended particles.
- The automatic cover enables greater customisation of the swimming pool, increasing its value.

### AstralPool service

- The wide AstralPool commercial network offers immediate service.
- We offer our clients pre- and post-sales technical assessment.
- The manufacturing technical sheet will be used to make a cover which is perfectly adapted to your needs.
- All AstralPool covers undergo strict quality control based on the most demanding regulations.
- Assembly and Civil Engineering Manuals are available to allow building the swimming pool with the ideal requirements for subsequent installation of the submerged cover.

(\*) Our automatic covers comply with the requirements of the French standard NF P90-308 which demands the use of standardized safety mechanisms to prevent the risk of drowning by accidental falls into the pool.

## AUTOMATIC COVERS

Advice for use and winterizing

**We recommend to follow these basic indications to obtain the optimum performance from the automatic cover:**

- Before operating the cover you must ensure that nobody is in the swimming pool and that there are no objects that could become obstacles to its normal operation.
- Maintaining the correct water level is also important, as a level which is too high or too low can cause blockages at the tie beam, partition or the steps.
- During the retrieving and expanding operations the cover should not be blocked, as this action could be dangerous as well as harmful to the operating mechanism.
- If an automatic pool floor cleaner is used make sure that when the cover is extended neither the hose nor the power supply cable is caught up.
- Regular cleaning of the cover with a pressure cleaning device or with a PVC descaling liquid is recommended. This will also prevent leaves from settling on the cover which could otherwise stain the slats.
- In the case of a hail storm we recommend that you retrieve the cover.
- In the Roussillon submerged model we recommend that you always keep the motor housing dry to prevent the geared motor from getting wet.

**For good winterization, and in order to find the pool in the best conditions in the spring, we recommend to follow the following indications:**

- Leave the cover extended over the water surface.
- Keep the water level constant. An excess should be drained through the main drain or the skimmer box.
- It is advisable to clean the trapdoor and the motor housing with a high pressure cleaner before the pool is winterized.
- Place a number of anti-freeze floats in the trapdoor casing, behind the cover. The skimmers should also be protected in the same way.
- We recommend the installation of a plastic type cover to prevent leaves and other substances from obstructing the trapdoor, which should be cleaned regularly.
- In the case of freezing, avoid forcing or pressing down hard on the slats as they could be damaged.
- If the motor is in risk of flooding it is advisable to cut off the power supply and remove the motor.

Automatic cover price calculation

COVERS  
AND ROLLERS

### How to calculate the price of an above-ground cover

The basic elements to calculate the above-ground cover are:

1. Mechanical kit
2. Slats
3. Ladder
4. Safety system
5. Postage and packaging

### How to calculate the price of a submerged cover

The basic elements to calculate the submerged cover are:

1. Mechanical kit
2. Embedding kit
3. Tie beam and brackets
4. Kink-proof bracket (when necessary)
5. Partition and brackets
6. Slats
7. Ladder
8. Safety system
9. Postage and packaging

## AUTOMATIC COVERS: ABOVE-GROUND MODELS



N-Carlit above-ground model

Automatic above-ground cover perfect for existing pools with limit switch up to:

- 3 x 18 m + stairs
- 4 x 17 m + stairs
- 5 x 17 m + stairs
- 6 x 16 m + stairs
- up to 7 x 14 m plus ladder

Note that as it is an above-ground model cover, the storage rollers must be placed out of the pool, fixed to the floor.

**MECHANICAL KIT:**

Consists of:

- Two white or sand stainless steel stands.
- Ø 146 mm anodised aluminium roller shaft.
- 24V tubular motor with limit switch adjustment.
- Key switch with self-return to 0 point.
- Switchboard with 220/24V transformer.



	Width	3,03 m			4,03 m			5,03 m		
	LENGTH	Axis	Ref.	Code	Axis	Ref.	Code	Axis	Ref.	Code
White / Black	length <= 8 m	alu ø146	061357	54136	alu ø146	061357	54136	alu ø146	070207	070207
	8 m < length <= 10 m		061357	54136		061357	54136		061359	54138
	10 m < length <= 11 m		061357	54136		070206	070206		061359	54138
	11 m < length <= 12 m		061357	54136		070206	070206		061359	54138
	12 m < length <= 13 m	alu ø196	061358	54137	alu ø196	061358	54137	alu ø196	061360	54139
	13 m < length <= 15 m		061358	54137		061358	54137		061363	54142
	15 m < length <= 17 m		061358	54137		061362	54141		061363	54142
White - White	length <= 8 m	alu ø146	061367	54146	alu ø146	061367	54146	alu ø146	070209	070209
	8 m < length <= 10 m		061367	54146		061367	54146		061369	54148
	10 m < length <= 11 m		061367	54146		070208	070208		061369	54148
	11 m < length <= 12 m		061367	54146		070208	070208		061369	54148
	12 m < length <= 13 m	alu ø196	061368	54147	alu ø196	061368	54147	alu ø196	061370	54149
	13 m < length <= 15 m		061368	54147		061368	54147		061373	54152
	15 m < length <= 17 m		061368	54147		061372	54151		061373	54152
White - Sand	length <= 8 m	alu ø146	061426	66090	alu ø146	061426	66090	alu ø146	070227	66096
	8 m < length <= 10 m		061426	66090		061426	66090		061429	061429
	10 m < length <= 11 m		061426	66090		070226	070226		061429	061429
	11 m < length <= 12 m		061426	66090		070226	070226		061429	061429
	12 m < length <= 13 m	alu ø196	061427	66091	alu ø196	061427	66091	alu ø196	061430	66094
	13 m < length <= 15 m		061427	66091		061427	66091		061431	66095
	15 m < length <= 17 m		061427	66091		061428	66092		061431	66095
	Width	6,03 m			7,03 m			7,50 m		
	LENGTH	Axis	Ref.	Code	Axis	Ref.	Code	Axis	Ref.	Code
White - Black	length <= 14 m	alu ø196	061361	54140	alu ø196	061366	54145	alu ø196	070300	66287
	14 m < length <= 16 m		061361	54140		070302	66100		070301	66288
	16 m < length <= 17 m		070303	66097		070302	66100		070301	66288
White - White	length <= 14 m	alu ø196	061371	54150	alu ø196	061376	54155	alu ø196	070296	66289
	14 m < length <= 16 m		061371	54150		070298	66285		070297	66290
	16 m < length <= 17 m		070299	66098		070298	66285		070297	66290
White - Sand	length <= 14 m	alu ø196	061432	66293	alu ø196	061433	66294	alu ø196	070308	66291
	14 m < length <= 16 m		061432	66293		070310	66286		070309	66292
	16 m < length <= 17 m		070311	66099		070310	66286		070309	66292

## AUTOMATIC COVERS: ABOVE-GROUND MODELS



Carlit Solar Pool cover

The automatic solar pool cover Carlit runs on solar energy, making it a very environmentally-friendly product. It reduces water evaporation and heat loss in your pool. The cover also minimises premature evaporation of pool chemicals. Certified by the French standard NF 90-308, the Carlit solar pool cover guarantees higher quality, reducing possible accidents arising from children, animals, or objects falling into the water.

**Main advantages:**

- Simplified installation, no wiring required (power supply via solar energy).
- 40-cycle independence: once the battery is fully charged, in the absence of further light the cover can be extended and 40-cycle autonomy: once the battery is charged and in absence of light, you can open and close the cover 40 times.
- Easy to use cover with low maintenance costs.

**General features:**

- Covers pools up to 6 x 12m with a ladder.
- Solar-powered roller. One bracket fitted with a photovoltaic cell.
- Tubular 150 Nm 12 v. geared motor. Anodised aluminium pipe.
- Memory-based limit switch system.
- Three different colours for slats and caps: white, sand and blue.
- Two 12 volt batteries.



Mechanical kit	Code
Mechanical kit up to 4 m (up to 4 x 12 m)	35917
Mechanical kit up to 5 m (up to 5 x 12 m)	35918
Mechanical kit up to 6 m (up to 6 x 12 m)	35919

## AUTOMATIC COVERS: ABOVE-GROUND MODELS



### Above-ground models with bench: Capcir

The Capcir cover is ideal for both existing and new-build pools. It includes a protective compartment for the cover mechanics, providing greater safety and improving the design. Easy to install and start up.

In the Capcir model, the motor is located in the winding shaft so the mechanism is fully integrated in the pool surround. The compartment is protected by PVC slats (colour white, sand or wood).

Its main components are a tubular motor with limit switch, a key switch with automatic return incorporated in the stand cover and a switchboard with a transformer.

#### General features:

- Covers pools up to 14 x 6 m with a ladder.
- Memory-based limit switch system.
- 4 possible compartment types: The compartment is protected by PVC slats (colour wood, white or sand) or IPE wood slats. White foot.
- Motor accessed via the foot of the compartment.
- 12 volt motor.
- Possibility of requesting a detachable compartment to access the slats.
- Access to motor without touching the compartment.

Colour	Width	3,03 m		4,03 m		5,03 m		6,03 m	
	LENGTH	Ref.	Code	Ref.	Code	Ref.	Code	Ref.	Code
WHITE PVC	long <= 9 m	060321	33432	060321	33432	060322	33433	060703	37112
WOOD	long <= 9 m	060704	37109	060704	37109	060705	37110	060706	37111

All shafts in ø196 aluminium.



### Above-ground models with bench: Capcir solar

The automatic solar pool cover Carlit runs on solar energy, making it a very environmentally-friendly product. It reduces water evaporation and heat loss in your pool. The cover also minimises premature evaporation of pool chemicals. Certified by the French standard NF 90-308, the Carlit solar pool cover guarantees higher quality, reducing possible accidents arising from children, animals, or objects falling into the water.

#### Main advantages:

- Easy to install, no cabling required (solar powered).
- 40-cycle independence: once the battery is fully charged, in the absence of further light the cover can be extended and 40-cycle autonomy: once the battery is charged and in absence of light, you can open and close the cover 40 times.
- Easy to use cover with low maintenance costs.

#### General features:

- Covers pools up to 6 x 12m with a ladder.
- Solar-powered roller.
- 1 x 12V battery.
- Memory-based limit switch system.
- 4 possible compartment types: The compartment is protected by PVC slats (colour white, sand or wood) or IPE wood slats.
- Motor accessed via the foot of the compartment.
- 12 volt motor.
- Possibility of requesting a detachable compartment to access the slats.
- Access to motor without touching the compartment.

#### PRECAUTIONS FOR INSTALLATION:

- Sun must beam directly on the photovoltaic plate.
- Do not install beneath a tree or facing north.

Max. pool dimensions	Motor (Nm)	Code		Code		Code	Code
		White PVC casing		Sand PVC casing		Wood colour PVC casing	IPE casing
		Non-removable bench	Removable bench	Non-removable bench	Removable bench	Non-removable bench	
4 x 9 m pool	150	37561	41068	41065	41070	37564	37567
Pool 5 x 12 m	150	37562	41069	41066	41071	37565	37568
Pool 6 x 12 m	150	37563	-	41067	-	37566	37569

## AUTOMATIC COVERS: ABOVE-GROUND MODELS



## Mobile Bahia model on guide rails

Mobile roller on guide rails that is able to cover pools measuring a maximum of 5 x 10 m + steps.

**Roller structure:**

- 2 lacquered aluminium WHITE RAL 9016 brackets.
- 4 Ø 80mm wheels for guide rails.
- 2 grainy white thermoformed parts.
- 2 aluminum maintenance rods.
- 2 Ø 16 mm guide rails for setting length of 3 metre length guide rails.
- 1 220 V/12 V IP67 charger.
- 1 male EUROPE socket.
- 1 positioning system for indexing. For stopping the system from moving when the cover is being rolled up or when the system is recharging.
- Solar powered.
- 4 guide rail stoppers.

**Technical specifications:**

- Maximum outer size of the coping stone: 4.6 m for a pool measuring 4.03 m inside.
- Maximum outer size of the coping stone: 5.60 m for a pool measuring 5.03 m inside.
- Height of passage: 76 mm.

**Warranty:** 3 years for the rolling mechanism, 3 years for the motor and charger and 1 year for the battery.

Model	Ref.	Code
White mobile Bahia up to 4.03 x 10 m	070127	<b>61298</b>
White mobile Bahia up to 5.03 x 10 m	070128	<b>61299</b>



## Borna municipal model

It is intended to be installed in municipal indoor or outdoor pools of 12.5 x 25 meters maximum. It can be used for bubble or reinforced polyethylene foam covers. The distance between the roller shaft and the pool edges must be reduced as much as possible to prevent abnormal wear and tear due to the friction on the coping.

**Technical features:**

- 250 Nm 24V motor.
- 300 mm stainless steel shaft.
- Thermoplastic bushing with stainless steel bearing.
- Stand with a protective layer in thermoformed ABS.
- Remote control + Key.

	Code	Pack. Standard	Weight kg Standard	Volume in m <sup>3</sup> Standard
Mechanical kit up to 12.5 m (max. 12.5 x 25 m)	<b>38734</b>	-	-	-



## Double municipal model

Makes it possible to cover municipal pools up to 15 x 25 m with bubble or polyethylene foam covers.  
6.03 x 25 m.

**Technical features:**

- 2 x 120 Nm 24V tubular motors.
- 2 aluminium shafts.
- 6 wheels.
- Remote control + Key

	Code	Pack. Standard	Weight kg Standard	Volume in m <sup>3</sup> Standard
Width ≤6.03m Length ≤ 25m	<b>41441</b>	-	-	-
Width ≤8.03m Length ≤ 25m	<b>41442</b>	-	-	-

## AUTOMATIC COVERS: SUBMERGED MODELS



Roussillon submerged model: dry well motor

The Roussillon automatic cover is the submerged model which incorporates the motor in a separate sunken compartment and both the winding shaft as well as the cover are housed inside the pool at one end. The Roussillon model can cover an indoor pool up to 11 x 20 m<sup>2</sup>.

The submerged pit containing the roller shaft from the main pool should be separated from the main pool by a small concrete partition at the time of construction or with a PVC partition later on.

The basic elements for assembling the cover are the slats, the step slats, the mechanical kit, the embedding kit, the aluminium tie beam and the pit cover.



24 V geared motor



220/24 V switchboard

**Solution valid for a mechanics installation up to a maximum depth of 55cm of the water level. For greater depths, please enquire.**

### MECHANICAL KIT

Includes the following elements:

- Extruded aluminium or stainless steel shaft.
- Motor stand.
- Watertight gaskets on bushing side.
- Watertight gaskets on bearing stand side.
- 24V reducer motor with stainless steel stand.
- 220/24V standard switchboard.
- On-off key switch with key. Should be installed in full view of the pool. Works by continuous turning of the key.



Extruded aluminium shaft



On-off key switch

Embedding kit for a standard installation 55 cm above the water level.  
Should the shaft have to be installed at a greater height, please consult us.

### ROUSSILLON DRY WELL (EMBEDDING KIT 210 mm DRIVE SHAFT 500 mm)

Width	3.03 m			4.03 m			5.03 m			6.03 m				
LENGTH	Axis	Ref.	Code	Axis	Ref.	Code	Axis	Ref.	Code	Axis	Ref.	Code		
4 m - 12 m	<b>ø146</b>	060465	<b>31144</b>	ø146	060465	<b>31144</b>	ø146	060467	<b>31145</b>	<b>ø196</b>	060468	<b>31146</b>		
13 m - 15 m				ø196	061011	<b>43221</b>	ø196	060468	<b>31146</b>					
16 m - 19 m				ø196	060470	<b>31909</b>	ø300	070440	070440					
20 m				ø196	070444	070444	ø300	060570	<b>34767</b>					
Width	7,03 m			8,03 m			9,03 m - 11,03 m							
LENGTH	Axis	Ref.	Code	Axis	Ref.	Code	Axis	Ref.	Code					
4 m - 10 m	<b>ø196</b>	060466	<b>31904</b>	ø196	060470	<b>31909</b>	ø300	070440	070440	<b>ø196</b>	060353	<b>31146-001</b>		
11 m - 13 m				ø196	070444	070444	ø300	060353	<b>31146-001</b>					
14 m - 15 m				ø196	070441	070441	ø300	060381	<b>31904-007</b>					
16 m - 17 m	<b>ø196</b>	070443	070443	ø300	070441	070441	ø300	060381	<b>31904-007</b>					
18 m - 20 m	<b>ø300</b>	070441	070441	ø300	070441	070441	ø300	060381	<b>31904-007</b>					

### ROUSSILLON DRY WELL (EMBEDDING KIT 310mm DRIVE SHAFT 600 mm)

Width	3.03 m			4.03 m			5.03 m			6.03 m				
LENGTH	Axis	Ref.	Code	Axis	Ref.	Code	Axis	Ref.	Code	Axis	Ref.	Code		
4 m - 12 m	<b>ø146</b>	060351	<b>31144-001</b>	ø146	060351	<b>31144-001</b>	ø146	060352	<b>31145-001</b>	<b>ø196</b>	060353	<b>31146-001</b>		
13 m - 15 m				ø196	060363	<b>31144-004</b>	ø196	060353	<b>31146-001</b>					
16 m - 19 m				ø196	060355	<b>31909-001</b>	ø300	060848	060848					
20 m				ø196	070447	070447	ø300	060381	<b>31904-007</b>					
Width	7,03 m			8,03 m			9,03 m - 11,03 m							
LENGTH	Axis	Ref.	Code	Axis	Ref.	Code	Axis	Ref.	Code					
4 m - 10 m	<b>ø196</b>	060354	<b>31904-001</b>	ø196	060355	<b>31909-001</b>	ø300	060848	060848	<b>ø196</b>	070445	070445		
11 m - 13 m				ø196	070447	070447	ø300	060381	<b>31904-007</b>					
14 m - 15 m				ø196	070446	070446	ø300	060381	<b>31904-007</b>					
16 m - 17 m	<b>ø196</b>	070446	070446	ø300	060847	060847	ø300	060381	<b>31904-007</b>					
18 m - 20 m	<b>ø300</b>	060847	060847	ø300	060847	060847	ø300	060381	<b>31904-007</b>					

NON-WATERTIGHT MOTOR. Optional installation of a watertight motor.

WATERTIGHT MOTOR AND DISENGAGEABLE DRIVE.

## AUTOMATIC COVERS: SUBMERGED MODELS

Roussillon submerged model: dry well motor



310 mm wall conduit



Bearing bracket for recessed assemblies



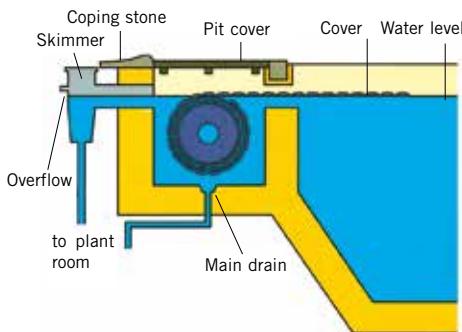
Part to be recessed for tie beam support bracket

## EMBEDDING KIT

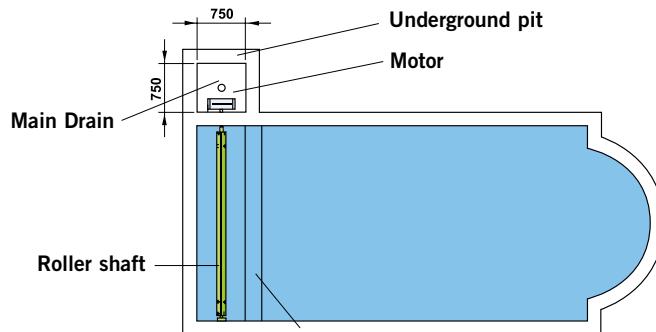
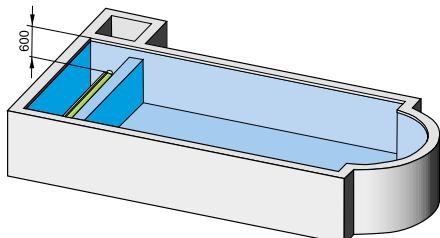
Includes the following elements:

- Bushing.
- Bearing support bracket for embedding.
- Parts to be recessed (2) for tie beam support bracket
- Watertight gaskets for bushing.

EMBEDDING KIT	Code
With 110 mm wall conduit	<b>33075</b>
With 210 mm wall conduit	<b>31143</b>
With 310 mm wall conduit	<b>33074</b>



## ROUSSILLON MODEL ASSEMBLY DRAWING



Watertight bushing



For further information see the AstralPool product database in the PRODUCTS section at [www.astralpool.com](http://www.astralpool.com).  
available in the PRODUCTS section at [www.astralpool.com](http://www.astralpool.com).



## AUTOMATIC COVERS: SUBMERGED MODELS

Roussillon submerged model



## KINK-PROOF SUPPORT FOR EMBEDDED BEAM

## KINK-PROOF SUPPORT TO BE MOUNTED ON WALL

DIMENSION of pit cover in mm	Code
615 ≤ Dim. ≤ 1015	61678
1016 ≤ Dim. ≤ 1460	61682

Supports must be used if the inner width of the pool shell is > 4 m.  
The number of supports to be used is set out in the table below.

PRACTICAL INFORMATION		
Pool shell width	Number of beams required	Number of kink-proof supports required
Width ≤ 4 m	1 beam	0
4 m ≤ Width ≤ 6.03 m	1 beam	1
6.03 m ≤ Width ≤ 8.03 m	1 beam	2
8.03 m ≤ Width ≤ 9.03 m	1 beam of 4 m + 1 beam of 5 m	3
9.03 m ≤ Width ≤ 10.03 m	2 beams of 5 m	3
10.03 m ≤ Width ≤ 11.03 m	2 beams of 6 m	4

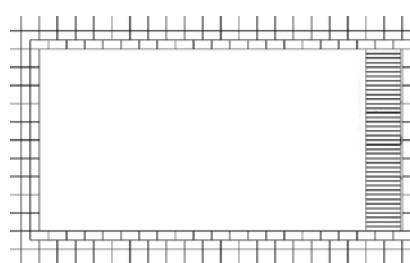
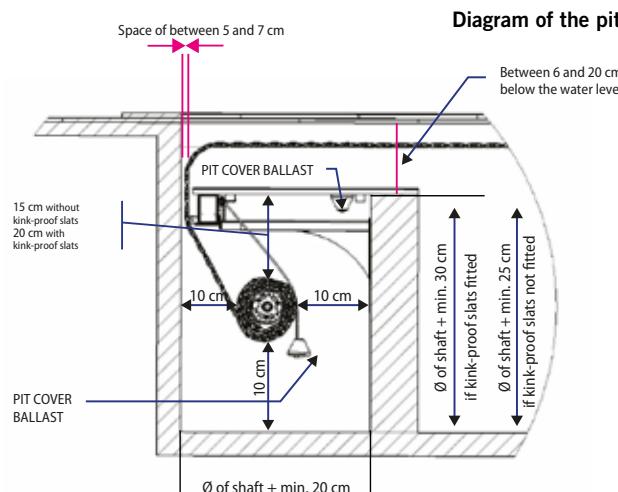
## SAFETY SYSTEMS

Place the safety system on the shaft side and the step side IF THE DEPTH between the water level and pit cover is > 20 cm.

The pool may have beams on the corners of a maximum of 4 cm, in compliance with standard NF 90-308.

In the case of larger beams, the beam of the wall side must be brought forward by the same distance.

The clearance between the wall and the beam must be greater than 7 cm, otherwise it will not comply with standard NF 90-308.



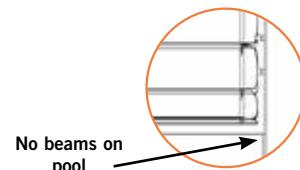
## Dimensions to be taken into account

A space measuring the height of at least the diameter of the cover when rolled plus 30 cm must be left free.

The inner width of the pit must be wider than the diameter of the shaft plus 20 cm (see diagram).

The clearance for the cover between the wall and the back of the pit cover must be between 5 and 7 cm, in compliance with standard NF 90-308.

The depth of the pit cover is up to the user. It should be at least 6 cm so that the cover works properly, and a maximum of 20 cm, in compliance with standard NF 90-308.



No beams on pool

## AUTOMATIC COVERS: SUBMERGED MODELS



### Roussillon submerged model: motor in the shaft

The motor is integrated inside the winding shaft and can be installed in already-built pools up to 8 metres wide. It can cover an indoor pool up to 8 x 12 m<sup>2</sup>.

As in the Roussillon model the submerged part containing the roller shaft should be separated by a small concrete partition at the time of construction or later with a PVC partition. The slat colours available for both models are white, beige and opaque blue.

The Conflent mechanism may be fitted:

- Below the coping stone.
- Against the wall.



Mechanical system

Max. pool dimensions	Motor	Code
Pool 4 x 12 m	(shaft with limit switch)	<b>33070</b>
Pool 5 x 12 m	(shaft with limit switch)	<b>33072</b>
Pool 6 x 12 m	(shaft with limit switch)	<b>33073</b>
Pool 7 x 14 m	(shaft with limit switch)	<b>33906</b>

Solution valid for a mechanics installation up to a maximum depth of 55cm of the water level. For greater depths, please enquire.



### Roussillon submerged model: motor at water level

This submerged automatic cover is specially designed for new-build or existing pools up to 6 metres wide. The IP68 motor (watertight) is situated above the water level and below the lid => easy motor access => better maintenance.

The submerged zone containing the roller shaft can be separated by a small concrete partition at the time of construction or with a PVC partition later on.

It has the same technical features as the dry well Roussillon motor: Easy to install in existing and new-build pools. Seamless integration with pool surround. Easy maintenance as the motor is situated at the water level.

The mechanics are made up of:

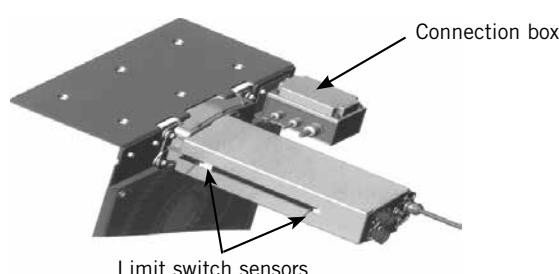
- 150 Nm motor equipped with a limit switch system.
- 2 stainless steel brackets: bearing part and motor part with only the gear transmission.
- A 220 V/24 V power supply unit with a remote key switch.

Width	3.07 m			4.07 m		
LENGTH	Axis	Ref.	Code	Axis	Ref.	Code
long < 15 m	alu ø146	060335	<b>33759</b>	alu ø146	060335	<b>33759</b>
15 m < long < = 18 m	alu ø146	060335	<b>33759</b>	-	-	-
Width	5.07 m			6.07 m		
LENGTH	Axis	Ref.	Code	Axis	Ref.	Code
length < 12 m	alu ø146	060337	<b>33760</b>	alu ø196	060339	<b>33761</b>
12 m < long < = 14 m	alu ø196	060339	<b>33761</b>	-	-	-

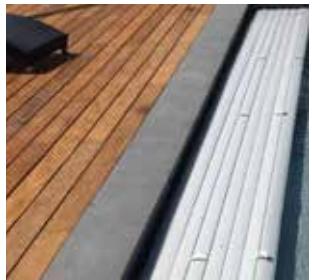
WATER LEVEL NEEDED: 120 mm from the pool border.



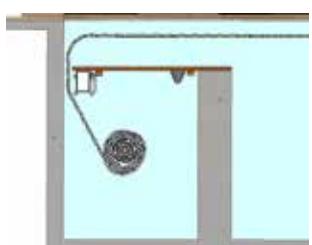
Stainless Steel bracket



## AUTOMATIC COVERS: SUBMERGED MODELS

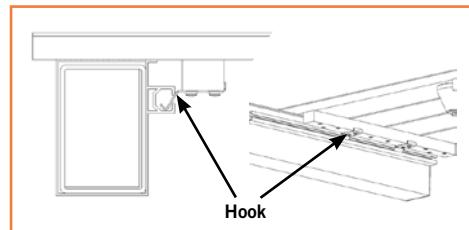


Roussillon submerged deck model

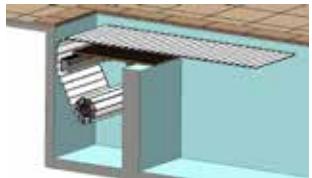


### Embedded pit covers : 2 SOLUTIONS

#### Solution 1: WOODEN PIT COVERS

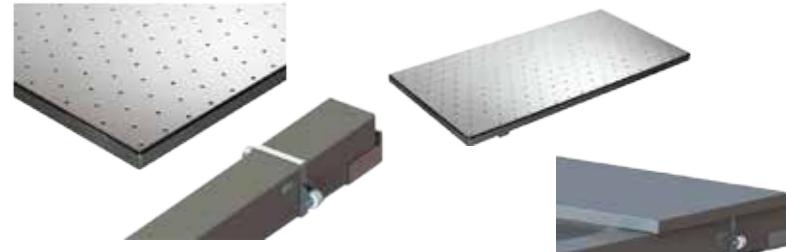


- Specific to this solution as they are ballasted not to float.
- A hook should be fastened to each slat. The hooks should be inserted into the groove on the beam so that they do not move out of place.
- Wooden pit covers are delivered in 500 cm wide sheets.



Size	Code
700 mm x 1000 mm	61826
950 mm x 1000 mm	61801
Made to measure	61816

#### Solution 2: STAINLESS STEEL PIT COVERS / BEAMS



#### EMBEDDED BEAM + KINK-PROOF SUPPORTS

Embedded beam + 2 beam support housings.

- Available in white only.
- 80 x 120 mm cross-section.
- In aluminium with PVC sleeve.
- Weight of 5.4 kg/ml.



70264

Max. inner shell width	Code
Width ≤ 4,03 m	61806
4 m ≤ Width ≤ 5,03 m	61807
5m ≤ Width ≤ 6,03 m	61808
6 m ≤ Width ≤ 7,03 m	61809
7 m ≤ Width ≤ 8,03 m	61810
<b>Optional</b>	
2 embedment plates for assembly to beam support housings	70264

#### Solution 3: COMPARTMENT COVER IN PVC

For more information see the AstralPool product database in the PRODUCTS section at [www.astralpool.com](http://www.astralpool.com).

## AUTOMATIC COVERS: DISPLAY MODELS

## Carlit Solar display model (without motor)

Width: 1.5 metres with blue, white and sand colour slats.



Code	Pack. Standard	Weight kg Standard	Volume in m <sup>3</sup> Standard
<b>38740</b>	1	-	-

## N-Carlit display model (without motor)

Width: 1.5 metres with blue, white and sand colour slats.

Code	Pack. Standard	Weight kg Standard	Volume in m <sup>3</sup> Standard
<b>061624</b>	1	-	-

## Capcir display model (without motor)

Width: 1.5 m. Casing half IPE timber and half PVC.



Code	Pack. Standard	Weight kg Standard	Volume in m <sup>3</sup> Standard
<b>33765</b>	1	-	-

## Capcir solar exhibition model (non-motorised)

Width: 1.5 m. Timber + PVC slats.



Code	Pack. Standard	Weight kg Standard	Volume in m <sup>3</sup> Standard
<b>38821</b>	1	-	-

## AUTOMATIC COVERS: SUBMERGED MODELS

### Submerged models: Accessories

#### THE TIE BEAM

Its function is to provide support to the pit cover. Manufactured in white coated aluminium, it measures 100 x 110 mm and weighs 9 kg/ml.

This tie beam is delivered with coated stainless steel support bracket and stainless steel nuts and bolt.



The beam standard bracket



The beam adjustable bracket



Vertical tie-beam bracket for liner



Wall tie-beam bracket

Beam length	Tie beam code 100 x 110	Tie beam code 100 x 70
<b>White beam + Standard bracket</b>		
UP TO 4 meters	31148	-
From 4 m to 5 m	31149	-
From 5 m to 6 m	31150	-
From 6 m to 7 m	31911	-
From 7 m to 8 m	31912	-
<b>Sand beam + Standard bracket</b>		
UP TO 4 meters	38529	-
From 4 m to 5 m	38530	-
From 5 m to 6 m	38531	-
From 6 m to 7 m	38532	-
From 7 m to 8 m	38533	-
<b>White beam + Stand for liner holding vertical profiler</b>		
UP TO 4 meters	33870	-
From 4 m to 5 m	33871	-
From 5 m to 6 m	33872	-
From 6 m to 7 m	33873	-
From 7 m to 8 m	33886	-
<b>Sand beam + Stand for liner holding vertical profile</b>		
UP TO 4 meters	38534	-
From 4 m to 5 m	38535	-
From 5 m to 6 m	38536	-
From 6 m to 7 m	38537	-
From 7 m to 8 m	38538	-
<b>White beam + Support bracket for fastening to the pool wall</b>		
UP TO 4 meters	33874	56063
From 4 m to 5 m	33875	56064
From 5 m to 6 m	33876	-
<b>Sand tie beam + Bracket to fasten to pool wall</b>		
UP TO 4 meters	38544	56065
From 4 m to 5 m	38545	56066
From 5 m to 6 m	38546	-
<b>White beam + Adjustable bracket</b>		
UP TO 4 meters	35717	56057
From 4 m to 5 m	35718	56058
From 5 m to 6 m	35719	-
From 6 m to 7 m	35720	-
From 7 m to 8 m	35721	-
<b>Sand beam + Adjustable bracket</b>		
UP TO 4 meters	38539	56059
From 4 m to 5 m	38540	56060
From 5 m to 6 m	38541	-
From 6 m to 7 m	38542	-
From 7 m to 8 m	38543	-

## AUTOMATIC COVERS: SUBMERGED MODELS

## Submerged models: Accessories

## KINK-PROOF SUPPORT FOR EMBEDDED BEAM



DIMENSION of pit cover in mm	Code
615 ≤ Dim. ≤ 1015	61678
1016 ≤ Dim. ≤ 1460	61682

Supports must be used if the inner width of the pool shell is > 4 m.

Kink-proof bracket needed for tie beams over 5.5 m. Two kink-proof brackets needed for tie beams between 5.5 m and 7 m. For more information on kink-proof brackets, please enquire.

NO. OF BRACKETS FOR A 100 X 70 TIE BEAM		
Pool shell width	No. of tie beams needed	No. of kink-proof brackets needed
long. ≤ 3.03 m	1 tie beam	0
3.03 < long. ≤ 5.03 m		1
5.03 < long. ≤ 8.03 m	2 x 4m tie beams	
8.03 < long. ≤ 9.03 m	1 x 4m tie beam + 1 x 5m tie beam	3
9.03 < long. ≤ 10.03 m	2 x 5m tie beams	
10.03 < long. ≤ 11.03 m	3 x 4m tie beams	5

NO. OF BRACKETS FOR A 100 X 110 TIE BEAM		
Pool shell width	No. of tie beams needed	No. of kink-proof brackets needed
long. ≤ 5.5 m	1 tie beam	0
5.5 < long. ≤ 7.03 m		1
7.03 < long. ≤ 8.03 m		2
8.03 < long. ≤ 9.03 m	1 x 4m tie beam + 1 x 5m tie beam	3
9.03 < long. ≤ 10.03 m	2 x 5m tie beams	
10.03 < long. ≤ 11.03 m	1 x 5m tie beam + 1 x 6m tie beam	

## AUTOMATIC COVERS: SUBMERGED MODELS

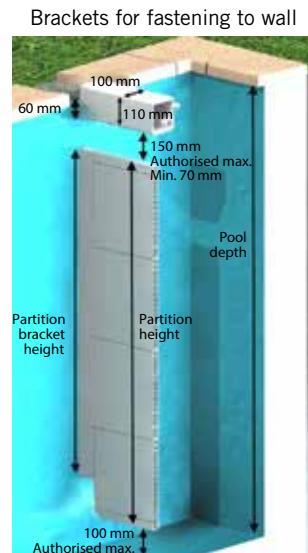
### Submerged models: Accessories



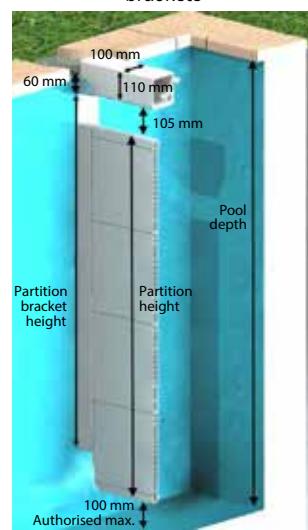
Tropical wood box cover



White aluminium compartment cover



Brackets for fastening to beam brackets



#### THE PIT COVER

The pit cover protects the automatic cover operating unit and conveys an aesthetic improvement to the surroundings. It is available in wood, or in white aluminium.

For pools with a partition wall the cover will be 950 mm wide, while for pools with a PVC partition the 700 mm lid will be used.

Thickness of the wooden pit cover: 25 mm.

Thickness of the aluminium pit cover: 28 mm.

In-ground box cover	Code
Made of tropical wood (1.00 x 0.70 m)	31152
Made of tropical wood (1.00 x 0.95 m)	31153
Tropical wood made to order (m <sup>2</sup> )	31154
White aluminium 1.00 x 0.70 m	33679
White aluminium 1.00 x 0.95 m	33680
White aluminium made to measure, m <sup>2</sup>	33681
Sand aluminium 1.00 x 0.70 m	38512
Sand aluminium 1.00 x 0.950 m	38513
Sand aluminium made to measure, m <sup>2</sup>	38514

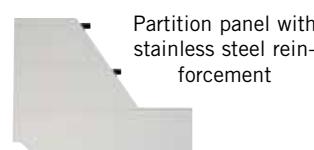
#### PVC PARTITION

The partition can be made of concrete or PVC. It is designed to improve safety by preventing bathers from coming into contact with the roller shaft. It also prevents the pool-floor cleaning hose from being rolled up into the slats.

The partition is made up of 250 mm high PVC panels, internally reinforced with stainless steel. It is fastened with two white coated stainless steel U clamps, which are fastened to the tie beam support bracket. Will be fastened to vertical walls.

For pools of more than 6 m width ask your AstralPool branch.

Partitions	Code
White partition 900 mm x 4 m	31158
White partition 900 mm x 5 m	31159
White partition 900 mm x 6 m	31160
White partition 1200 mm x 4 m	31161
White partition 1200 mm x 5 m	31162
White partition 1200 mm x 6 m	31163
White partition 1500 mm x 4 m	33077
White partition 1500 mm x 5 m	33078
White partition 1500 mm x 6 m	38523
H 900 mm white stainless steel U-shaped brackets to fasten to wall	31164
H 1200 mm white stainless steel U-shaped brackets to fasten to wall	31165
H 1500 mm white stainless steel U-shaped brackets to fasten to wall	33084
H 900 mm on tie-beam bracket white stainless steel U-shaped brackets to fasten to wall	33083
S.S. U clamps colour White H 1200 mm on beam bracket	38549
S.S. U clamps colour White H 1500 mm on beam bracket	38550



Partition panel with stainless steel reinforcement



U-bracket for fastening to the beam supports



U-bracket for fastening to wall



## AUTOMATIC COVERS: PVC SLATS

### PVC slats

The AstralPool automatic cover uses hollow extrusion PVC watertight slats. The end-caps welded at both ends ensure the tightness of the slats and the 20mm wide cap flaps can assure the total length of the slat. Flaps can also be 10 or 30 mm, altering the total width of the pool cover.

The slats measure 71.4 mm long and are 17 mm thick, so that they are able to float. To prevent stains, particularly organic ones, the slats are stabilised with calcium and zinc.

To ensure a cover blends in with its surroundings, a number of slat models are available: white, sand, blue and grey.

Length of pool	Bobbin for a Ø 146 mm aluminium shaft (used for pools up to 6 m in width)
1 m	220 mm
2 m	290 mm
3 m	320 mm
4 m	360 mm
5 m	390 mm
6 m	430 mm
7 m	460 mm
8 m	470 mm
9 m	490 mm
10 m	530 mm
11 m	540 mm
12 m	560 mm

	Ref.	Code
Bracket cut	060413	<b>31180</b>
In shape cut	060814	<b>38735</b>

Pool width (m)	White		Sand		Grey		MEDIUM GREY	
	Ref.	Code	Ref.	Code	Ref.	Code	Ref.	Code
width ≤ 3.53	060540	<b>34755</b>	060546	<b>34761</b>	060645	<b>40998</b>	061857	<b>061857</b>
3.53 < width ≤ 4.03	060400	<b>31168</b>	060406	<b>31169</b>	060647	<b>41000</b>	061858	<b>061858</b>
4.00 < width ≤ 4.50	060541	<b>34756</b>	060547	<b>34762</b>	060648	<b>41001</b>	061859	<b>061859</b>
4.53 < width ≤ 5.03	060402	<b>31172</b>	060407	<b>31173</b>	060649	<b>40761</b>	061860I	<b>061860I</b>
5.03 < width ≤ 5.53	060542	<b>34757</b>	060548	<b>34763</b>	060650	<b>41002</b>	061861I	<b>061861I</b>
5.53 < width ≤ 6.03	060404	<b>31176</b>	060408	<b>31177</b>	060651	<b>41003</b>	061862	<b>061862</b>
6.03 < width ≤ 7.03	060405	<b>31900</b>	060409	<b>31901</b>	060652	<b>40762</b>	061863	<b>061863</b>
7.03 < width ≤ 8.03	060399	<b>31905</b>	060418	<b>31906</b>	060653	<b>41004</b>	061864	<b>061864</b>
8.03 < width ≤ 9.03	060582	<b>35132</b>	060586	<b>35134</b>	061262	<b>54588</b>	061865	<b>061865</b>
9.03 < width ≤ 10.03	060583	<b>35133</b>	060587	<b>35135</b>	061406	<b>54589</b>	061866	<b>061866</b>
10.03 < width ≤ 11.03	060398	<b>33112ANT</b>	060588	<b>35136</b>	061407	<b>54590</b>	061867	<b>061867</b>

Please enquire for larger widths.

### PVC slat accessories



Caps for grey polycarbonate slats	Code
Right plug TRANSPARENT	<b>070243</b>
Left plug TRANSPARENT	<b>070242</b>
Right plug SOLAR GREY	<b>907557</b>
Left plug SOLAR GREY	<b>907556</b>

## AUTOMATIC COVERS: STEP SLATS



### Step slats

In order to adapt to any swimming pool shape, three different standard geometric shapes are available, thus ensuring a perfect fit to the outline of a pool and maximum safety.

The shapes available are: Roman steps, Straight steps and Trapezoidal steps.

### METHOD TO CALCULATE STEPS SLATS

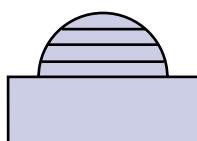
#### ROMAN STEPS

##### **Location:**

It must be located on the side opposite to the cover shaft.

##### **Step price:**

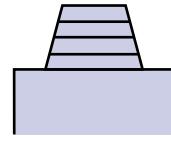
Roman step pricelist.



#### ISOSCELES TRAPEZOIDAL STEPS

##### **Location:**

Located in front of the cover.

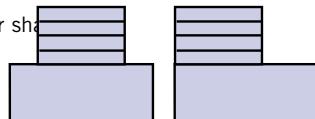


**Step price:**  
Trapezoidal step pricelist.

#### STRAIGHT STEPS

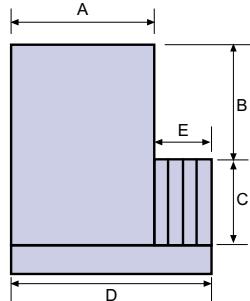
##### **Location:**

a) Located in front of the cover shaft



##### **Step price:**

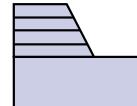
Straight step price.



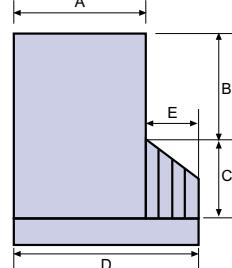
#### RECTANGULAR TRAPEZOIDAL STEPS

##### **Location:**

a) Located in front of the cover shaft.



**Step price:**  
Trapezoidal step pricelist.



##### NOTE FOR SIDE STEPS:

Total slat cost calculation:

Step price + slat price (A x B)

##### NOTE FOR SIDE STEPS:

Total slat cost calculation:

Step price + slat price (A x B)

Description	white	Sand	Blue	Grey	Medium Grey
<b>Roman step bracket cut</b>					
Ø 3 m	31182	31183	31184	41043	061868
Ø 4 m	31186	31187	31188	41044	061869
<b>Roman step in-shape cut</b>					
Ø 3 m	37094	37188	37190	41045	061870
Ø 4 m	37095	37189	37191	41046	061871
<b>Straight steps</b>					
2 x 1,5 m	31190	31191	31192	41047	061872
2,5 x 2 m	31194	31195	31196	41048	061873
<b>Trapezoidal step bracket cut</b>					
base 3 m	31198	31199	31200	41049	061874
base 4 m	31202		31204	41050	061875
<b>Shape-cut Trapezoidal ladder</b>					
base 3 m	37098	37196	37198	41051	061876
base 4 m	37099	37197	37199	41052	061877

Larger steps: use surplus cut-outs in shape 38735 or bracket 31180 per metre length.

## AUTOMATIC COVERS: POLYCARBONATE SLATS AND STEPS



SOLAR BLUE



Transparent



SOLAR TRANSPARENT



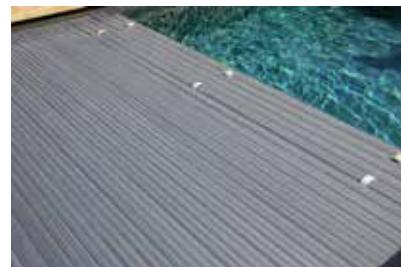
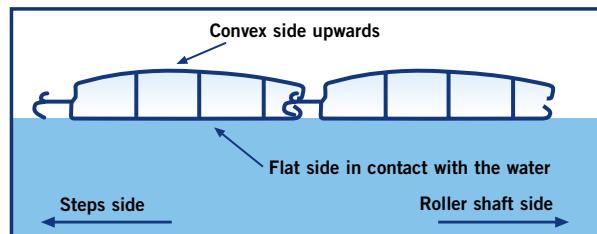
SOLAR GREY

**Norme  
NF  
90-308**

### Polycarbonate slats

Main advantages of polycarbonate slats:

- Strong impact resistance: Polycarbonate slats are approximately 8 times more resistant than PVC slats.
- Heat resistance: the deformation point is 140° compared to 80° for PVC.
- Very good ageing resistance thanks to UV protection layer on the top of the slat.
- Polycarbonate's lower density means the slats float better.
- Compliant with standard NF P 90-308.
- 3-year warranty
- Slat dimensions: 71 x 17 mm.



Pool length (m)	SOLAR BLUE	TRANSPARENT	SOLAR TRANSPARENT	SOLAR GREY
long < 4.03 m	061547	070066	070420	070266
4.03 m < long < 5.03 m	061548	070067	070421	070265
5.03 m < long < 6.03 m	061549	070068	070422	070267
6.03 m < long < 7.03 m	061550	070069	070423	070268
7.03 m < long < 8.03 m	061551	070070	070424	070269

For bigger widths, please enquire. ml = metre length. Available in other colours, please enquire.

### Polycarbonate steps.

Stair type and measurements	SOLAR BLUE	TRANSPARENT	SOLAR TRANSPARENT	SOLAR GREY
Roman step bracket cut diam < 3 m	061604	070081	070425	070270
Roman step bracket cut 3 m < diam < 4 m	061505	070082	070426	070271
Roman step bracket cut max 2 m depth 1.5 m	061606	070085	070427	070272
Roman step bracket cut max 2.5 m depth 2 m	061607	070086	070428	070273
Trapezoidal step bracket cut max 3 m	061608	070087	070429	070274
Trapezoidal step bracket cut max 4 m	061609	070088	070430	070275

### Polycarbonate slat accessories



#### Caps for grey polycarbonate slats

	Code
Right plug TRANSPARENT	070243
Left plug TRANSPARENT	070242
Right plug SOLAR BLUE	070259
Left plug SOLAR BLUE	070260
Right plug SOLAR GREY	907557
Left plug SOLAR GREY	907556

## AUTOMATIC COVERS: ACCESSORIES



Safety systems in AISI-316 stainless steel (glossy)

Thickness: 15.3 mm  
 • Height: 52.1 mm  
 • Width: 30 mm

Aesthetics: In glossy AISI-316 stainless steel + coloured strap



White

Sand

Grey

Blue

**Easy to install:**  
fastens to wall or on surface at two possible heights



Liner accessories

	Code
S.S. safety system for fastening to wall with white PVC strap	070317
S.S. safety system for fastening to surface (height of 50 mm) with white PVC strap	070318
S.S. safety system for fastening to surface (height of 100 mm) with white PVC strap	070321
S.S. safety system for fastening to wall with sand PVC strap	070322
S.S. safety system for fastening to surface (height of 50 mm) with sand PVC strap	070323
S.S. safety system for fastening to surface (height of 100 mm) with sand PVC strap	070324
S.S. safety system for fastening to wall with grey PVC strap	070328
S.S. safety system for fastening to surface (height of 50 mm) with grey PVC strap	070329
S.S. safety system for fastening to surface (height of 100 mm) with grey PVC strap	070330
S.S. safety system for fastening to wall with blue PVC strap	070331
S.S. safety system for fastening to surface (height of 50 mm) with blue PVC strap	070332
S.S. safety system for fastening to surface (height of 100 mm) with blue PVC strap	070333



Fabric strap tying system

Good value for money.

Liner accessories

	Code
Fabric safety system for fastening to white wall	070316
Fabric safety system for fastening to white wall (height of 50 mm)	070334
Fabric safety system for fastening to white wall (height of 100 mm)	070335

**Easy to install:**  
fastens to wall or on surface at two possible heights



## AUTOMATIC COVERS: ACCESSORIES



## ABS safety systems

We have a line of accessories for both using and maintaining automatic covers.

Liner accessories	Code
Lift-prevention bracket in ABS for wall fixing + belts	34754
ABS bracket + S.S. support to install under the coping stone + belt	35131
Overflow pool bracket	31943
Sky cover, above-ground model	31944
Slat-shaft joint belt	31238
Flange belt	34774

In compliance with the French standard NF P90-308 on swimming pool covers the following straps will be supplied according to the kind of cover and pool:

Interior pool width	No. of flanges for above-ground covers	No. of flanges for submerged covers
Width <= 3 m	4	2
3 m < width <= 5 m	6	3
5 m < width <= 7 m	8	4
7 m < width <= 10 m	10	5

## AUTOMATIC COVERS: WIRELESS REMOTE CONTROLS WITH KEY



## Wireless remote control with key

- Easy to install.
- No power supply required.
- Compatible with all AstralPool automatic covers.

## Characteristics of the control box:

- Size: 82 x 72 x 74 mm.
- IP67.
- Power supply: One 9 V PP3 battery.
- Autonomy of battery: 1 year.
- Range: 15 metres.

## Characteristics of the receptor:

- Size: 142.60 x 102.60 x 57 mm.
- IP55.
- Power supply: 12 to 24 VDC or 24 VAC.

## Installation:

- The control box must be secured in a place from which all of the pool can be seen by the user.
- The receptor should be connected to the switchboard in the case of a submerged cover or directly to the motor in the case of an above-ground cover (the receptor must be placed at the foot of the roller).

Warranty: 3 years.

The days of performing stunts to open and close your cover are over!

In compliance with the French standard NF P90-308 for swimming pool covers the following straps will be supplied according to depending on the kind of cover and the swimming pool:

	Code	Pack. Standard	Weight kg Standard	Volume in m <sup>3</sup> Standard
Wireless control box	65931	-	-	-
Receptor for wireless remote control	65932	-	-	-
Wireless control box + receptor	65933	-	-	-

## AUTOMATIC COVERS: WIRELESS REMOTE CONTROLS WITH KEY



### Wireless remote control with key for submerged covers

Wireless remote control with key and stainless steel front plate. Can replace the existing key switch used for submerged automatic covers.

- Wall assembly.
- Easy to install.
- No power supply required.
- Compatible with all AstralPool submerged automatic covers.
- 3-position key switch.
- Stainless steel front plate.
- Metal housing.
- IP54.
- Dimensions: L. 75 x D. 52 x H. 75 mm.
- 3-year warranty



Wireless remote control

	Code	Pack. Standard	Weight kg Standard	Volume in m <sup>3</sup> Standard
Wireless remote control	907504	-	-	-



### Remote control for automatic covers

New

Remote control that enables the automatic cover to be opened and closed without the need for keys.

- Easy to install.
- Compatible with all of Fluidra's automatic pool covers.

#### Remote control features:

- Dimensions: 80 x 40 x 10 mm.
- Power supply: A 12 V / 23 A battery.
- Autonomy of battery: 1 year.
- Range: 15 metres.

#### Characteristics of the receptor:

- Size: 142.60 x 102.60 x 57 mm.
- IP55.
- Power supply: 12 to 24 V DC or 24 V AC.

#### Installation:

- The receptor must be connected to the distribution board for submerged pool covers or directly to the motor for above-ground covers (with the receptor placed at the foot of cover).

3-year warranty

Not compliant with the French NF P 90-308 safety standard.

	Code	Pack. Standard	Weight kg Standard	Volume in m <sup>3</sup> Standard
Full remote control	070377	-	-	-

## AUTOMATIC COVERS: MANUFACTURING SPECIFICATIONS



See the manufacturer's data sheets for automatic pool covers in the AstralPool product database, available in the PRODUCTS section at [www.astralpool.com](http://www.astralpool.com).

## AUTOMATIC COVERS: TECHNICAL SPECIFICATIONS

CABLE SECTION					
Power cord for all motor models, depending on distance (D) between motor and control cabinet			Limit switch cable (1)	Electrolysis cable (2)	Key switch cable (3)
D < 15 m	15 m ≤ D < 25 m	25 m ≤ D < 50 m			
2 x 4 mm <sup>2</sup>	2 x 6 mm <sup>2</sup>	2 x 10 mm <sup>2</sup>	3 x 1.5 mm <sup>2</sup>	3 x 1.5 mm <sup>2</sup>	3 x 1.5 mm <sup>2</sup>

The cables mentioned above are not supplied with the shutter.

(1) Cable to run from control box to motor (ATTENTION: for motor in cable axis of 4 x 1.5 mm<sup>2</sup>).

(2) Cable to run from control box to motor.

(3) Cable to run from control box to key switch (in the case of a remote key switch).

STANDARD HEIGHTS BETWEEN ABOVE-GROUND COVER BRACKETS	
Above-ground models	Standard heights between brackets
N-CARLIT / CARLIT ECO	Interior pool width + 14 cm
CARLIT SOLAR	Interior pool width + 11 cm
CAPCIR / CAPCIR SOLAR	Interior pool width + 5 cm
MOBILE BAY ON RAILS OR WHEELS	Interior pool width + 22 cm

BOBBIN Ø in mm (SHAFT + SLATS)			
Length of pool	Alu shaft Ø 146 mm	Alu shaft Ø 196 mm	S.S. shaft Ø 300 mm
1 m	220	260	335
2 m	290	320	370
3 m	320	350	405
4 m	360	390	440
5 m	390	420	472
6 m	430	450	472
7 m	460	470	510
8 m	470	490	540
9 m	490	520	540
10 m	530	530	575
11 m	540	560	575
12 m	560	570	610
13 m	590	590	610
14 m	600	610	645
15 m	640	630	645
16 m	660	640	680
17 m	680	660	680
18 m	700	680	715
19 m	720	700	715
20 m	730	720	750
23 m	-	-	800
25 m	-	-	850



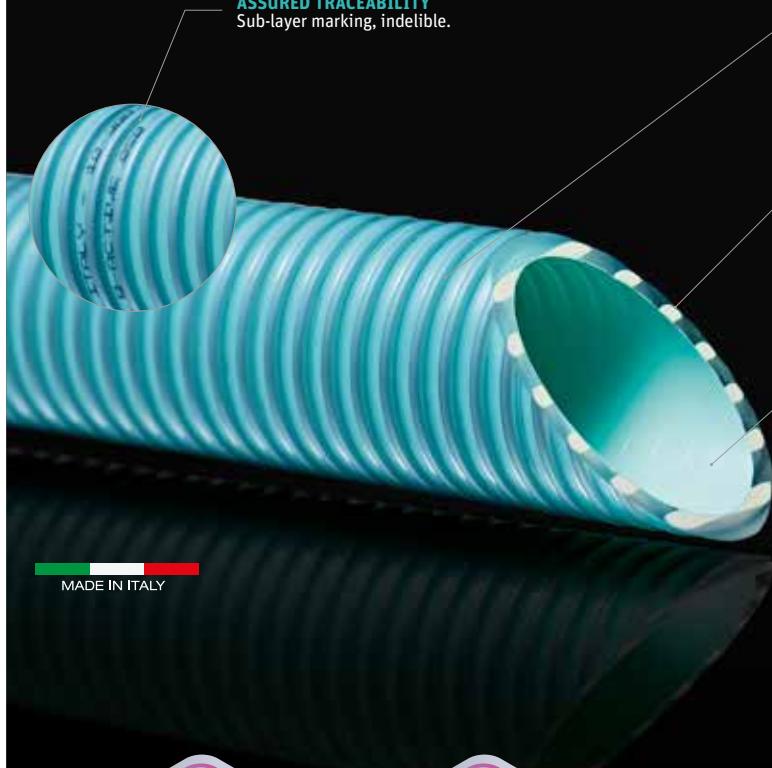


## PVC FITTINGS FOR POOLS

- 349 • Fitt B-Active and Fitt Idroflex
- 350 • Pressure fluid handling PVC PN-16 fittings
- 352 • Pressure fluid handling PVC accessories
- 354 • Filter ring manifolds for  $\frac{3}{4}$ " laterals
- 355 • Filter ring manifolds for 1" laterals
- 356 • Diffuser filter
- 356 • Collectors for valve manifolds

PVC

# definitely ingenious



## ASSURED TRACEABILITY

Sub-layer marking, indelible.



## ASSURED RESISTANCE

The lining of the rigid spiral (Spiral Protection Barrier) acts as a barrier that prevents premature embrittlement due to environmental stress cracking (ESC).



## ASSURED FLEXIBILITY

The spiral with D-Shape cross-section is extremely resistant to crushing (up to 34 kN/m<sup>2</sup>). Combined with the use of premium materials, it guarantees high flexibility and a smaller radius of curvature (up to 125 mm).



## ASSURED PROTECTION

La pellicola CDS (Chlorine Defence System) The CDS (Chlorine Defence System) film offers extensive protection even against high-chlorine water and acidic environments, guaranteeing lasting performance.



\* FITT S.p.A. offers a 10-year warranty and a special 10-year insurance coverage for all damages caused to third parties, and includes any costs for excavations, dismantling and assembling of the hose and backfilling.  
For further details visit the website [bactive.fitt.it](http://bactive.fitt.it).

## fitt b-active RESISTANT. GUARANTEED. SAFE.

FITT B-Active is the hose for swimming pool systems that offers "dual" protection with the 10-year insurance coverage and warranty, thanks to its patented technologies and indelible traceability.  
The product is designed and made entirely in Italy.

[BACTIVE.FITT.IT](http://BACTIVE.FITT.IT)

## fitt

TECHNOLOGY FLOW



INDUSTRIAL DIVISION

## FITT B-ACTIVE AND FITT IDROFLEX

### Fitt B-active

#### TECHNICAL FEATURES

Product	external Ø (mm)	Pressure (bar)	Pressure distribution (bar)	Drainage (m H2O)	Bend radius (mm)	Ring stiffness (kN/m <sup>2</sup> )
FITT B-ACTIVE Ø50	50	6	18	9	125	34
FITT B-ACTIVE Ø63	63	4	12	9	165	22

#### Logistical features

Code	Product	external Ø (mm)	Roll length (m)	Weight (kg/roll)	Quantity (roll/pal)	Pallet dimensions (mm)
69860	FITT B-ACTIVE Ø50 25m	50	25	19	12	800x1600xH1240
69861	FITT B-ACTIVE Ø50 50m	50	50	37,5	8	800x1600xH1360
69862	FITT B-ACTIVE Ø63 25m	63	25	24,5	6	1200x1000xH1280

Mechanical and chemical performance tests were run both internally and with the collaboration of Padua University/DTG Laboratory. Test certified by TÜV (test record no. MEC16173.00).

Complies with European Directive (EU) 10/2011 for A-B-C simulants

Operating temperature -10°C/+60°C.

Formula with phthalate content ≤ 0.1 %.

**NB:** Tolerances comply with standard UNI EN ISO 1307: 2008. Thermoplastic products subject to deformation due to outdoor ambient temperature and retraction; longitude tolerance is ± 5%.



Conforms to the EN ISO 3994:2014 standard  
TÜV approval no. B 17 04 55285 007

### Fitt idroflex

Code	Product	External Ø (mm)	Operating pressure (bar)	Drainage (m H2O)	Roll length (m)	Weight (kg/roll)	Quantity (roll/pal)	Pallet dimensions (mm)
69852	FITT IDROFLEX Ø25 50m	25	7	7	50	12,5	12	800x1200xH1200
69853	FITT IDROFLEX Ø32 50m	32	7	7	50	21,0	16	1200x1200xH1200
69855	FITT IDROFLEX Ø40 25m	40	5	7	25	15,5	16	1200x1200xH1200
69854	FITT IDROFLEX Ø40 50m	40	5	7	50	30,5	5	800x1200xH1200
69857	FITT IDROFLEX Ø50 25m	50	5	7	25	16	12	800x1600xH1240
69856	FITT IDROFLEX Ø50 50m	50	5	7	25	31,5	8	800x1600xH1360
69858	FITT IDROFLEX Ø63 25m	63	4	7	25	23	6	1200x1000xH1280
69859	FITT IDROFLEX Ø75 25m	75	2,5	6	25	37	3	1200x1200xH1200
69963-032 L25	FITT IDROFLEX Ø75 25m							
69966-020 L25	FITT IDROFLEX Ø75 25m							

## PRESSURE FLUID HANDLING PVC PN-16 FITTINGS



PVC 90° elbow solvent socket

Ø 50 mm  
Ø 63 mm

	Code	Pack. Standard	Weight kg Standard	Volume in m <sup>3</sup> Standard
	<b>32588</b>	70	8.67	0.0408
	<b>32589</b>	36	7.86	0.0408



PVC 45° elbow solvent socket

Ø 50 mm  
Ø 63 mm

	Code	Pack. Standard	Weight kg Standard	Volume in m <sup>3</sup> Standard
	<b>32590</b>	40	3.72	0.0204
	<b>32591</b>	20	3.56	0.0204



PVC-Tee 90° solvent socket

Ø 50 mm  
Ø 63 mm

	Code	Pack. Standard	Weight kg Standard	Volume in m <sup>3</sup> Standard
	<b>32592</b>	48	8.95	0.0408
	<b>32593</b>	30	9.73	0.0408



PVC union solvent socket

Ø 50 mm  
Ø 63 mm

	Code	Pack. Standard	Weight kg Standard	Volume in m <sup>3</sup> Standard
	<b>32594</b>	60	4.48	0.0204
	<b>32595</b>	35	3.98	0.0204

## PRESSURE FLUID HANDLING PVC PN-16 FITTINGS



PVC reducing bush solvent socket

Ø 63 mm x 50 mm

Code	Pack. Standard	Weight kg Standard	Volume in m <sup>3</sup> Standard
<b>32596</b>	48	3.08	0.0102



PVC adaptor nipple: solvent socket & BSP male thread

Ø 50 mm x 40 mm x 1½"  
Ø 63 mm x 50 mm x 2"

Code	Pack. Standard	Weight kg Standard	Volume in m <sup>3</sup> Standard
<b>32597</b>	24	2.48	0.0102
<b>32598</b>	38	5.84	0.0204



PVC adaptor nipple: female solvent socket & BSP male thread

Ø 50 mm x 1½"  
Ø 63 mm x 2"

Code	Pack. Standard	Weight kg Standard	Volume in m <sup>3</sup> Standard
<b>32599</b>	48	3.27	0.0102
<b>32600</b>	50	5.60	0.0204



PVC 3 piece union solvent socket

Ø 50 mm  
Ø 63 mm

Code	Pack. Standard	Weight kg Standard	Volume in m <sup>3</sup> Standard
<b>32601</b>	30	5.80	0.0204
<b>32602</b>	12	4.44	0.0204



PVC 3 piece union: female solvent socket & BSP male thread

Ø 50 mm x 1½"  
Ø 63 mm x 2"

Code	Pack. Standard	Weight kg Standard	Volume in m <sup>3</sup> Standard
<b>32603</b>	30	6.70	0.0204
<b>32604</b>	12	5.24	0.0204

## PRESSURE FLUID HANDLING PVC ACCESSORIES



## PVC ball valve PN-12

HDPE (polythene) ball seat. EPDM O-rings. "Antiblock" system.

	Code	Pack. Standard	Weight kg Standard	Volume in m <sup>3</sup> Standard
Ø 50 mm	<b>41941</b>	10	7.61	0.0204
Ø 63 mm	<b>41942</b>	10	11.80	0.0408



## PVC ball valve (STD PN16)

New

HDPE (polythene) ball seat. EPDM O-rings. "Antiblock" system.

	Code	Pack. Standard	Weight kg Standard	Volume in m <sup>3</sup> Standard
Ø 50 mm	<b>36505</b>	10	7.40	0.0204
Ø 63 mm	<b>36506</b>	10	12.70	0.0408



## PVC spring check valve

New

HDPE (polythene) ball seat. EPDM O-rings. "Antiblock" system.

	Code	Pack. Standard	Weight kg Standard	Volume in m <sup>3</sup> Standard
Ø 50 mm	<b>09015</b>	12	7.80	0.0204
Ø 63 mm	<b>09016</b>	10	11.70	0.0408



Manual valves

## 3-way rotary disc valve

3-way rotary disc valve in PVC-U for rotary flap to shut off one port. Can be used in circuits where the working pressure is not above 6 bar (90 psi); includes a lever that shows the port shut off.

Sizes: Ø 50-63 mm and Ø 63-75 mm. Available in manual (lever) or automatic (electric actuator) mode. Designed for use in pools and spas, they have a distribution system for facilitating optimum flow rate adjustment at each outlet that is extremely user-friendly. The manual valve can have 2 open ports and 1 shut off, 3 open valves or a partial adjustable opening, whilst the electric actuator can be turned from 90° to 180° and has a 230 24 V AC connection.



Automatic valves

## 3-way rotary disc valve solvent socket

	Code	Pack. Standard	Weight kg Standard	Volume in m <sup>3</sup> Standard
Manual Ø 63-75 mm	<b>41862</b>	4	-	0.041
Manual Ø 50-63 mm	<b>15765</b>	8	-	0.041
Automatic Ø 50-63 mm. 220 VAC (180°)	<b>41863</b>	1	-	0.041
Automatic Ø 63-75 mm. 220 VAC (180°)	<b>59959</b>	1	-	0.041
Automatic Ø 50-63 mm. 24 VAC (180°)	<b>45866</b>	1	-	0.041
Automatic Ø 63-75 mm. 24 VAC (180°)	<b>New 59960</b>	1	-	0.041
Automatic Ø 63-75 mm. 220 VAC (90°)	<b>41864</b>	1	-	0.041
Automatic Ø 63-75 mm. 24 VAC (90°)	<b>43730</b>	1	-	0.041

## PRESSURE FLUID HANDLING PVC ACCESSORIES



PVC pipe PN-10

	Code	Pack. Standard	Weight kg Standard	Volume in m <sup>3</sup> Standard
Ø 40 mm	02708	5 m	-	-
Ø 50 mm	02709	5 m	45.0	1.14
Ø 63 mm	02710	6 m	72.0	1.40
Ø 75 mm	02711	6 m	-	-
Ø 90 mm	02712	6 m	-	-
Ø 110 mm	02713	6 m	-	-
Ø 125 mm	02714	6 m	-	-
Ø 140 mm	02715	6 m	-	-
Ø 160 mm	02716	6 m	-	-
Ø 180 mm	02717	6 m	-	-
Ø 200 mm	02718	6 m	-	-
Ø 250 mm	02719	6 m	-	-
Ø 315 mm	02720	6 m	-	-



Semi-rigid hose

Made of PVC to glue to pressure fittings using PVC adhesive grey colour.

	Code	Pack. Standard	Weight kg Standard	Volume in m <sup>3</sup> Standard
Ø 16 mm	34587	25 m	3.2	0.030
Ø 16 mm	34586	50 m	6.2	0.040
Ø 20 mm	30754	25 m	4.0	0.040
Ø 20 mm	28570	50 m	9.1	0.060
Ø 25 mm	30755	25 m	6.0	0.050
Ø 25 mm	28571	50 m	11.0	0.042
Ø 32 mm	30756	25 m	9.6	0.070
Ø 32 mm	28572	50 m	16.7	0.065
Ø 40 mm	30757	25 m	12.3	0.110
Ø 40 mm	28573	50 m	23.0	0.109
Ø 50 mm	30758	25 m	18.4	0.150
Ø 50 mm	28574	50 m	37.0	0.178
Ø 63 mm	28575	25 m	49.5	1.140
Ø 75 mm	34588	25 m	33.3	0.300



PVC Solvent

	Code	Pack. Standard	Weight kg Standard	Volume in m <sup>3</sup> Standard
0,5 l	02432	15	8.1	0.026
1 l	02431	12	11.0	0.036



PVC glue

	Code	Pack. Standard	Weight kg Standard	Volume in m <sup>3</sup> Standard
0,25 l	02429	30	10.0	0.024
0,50 l	02427	15	8.0	0.026
1 l	02426	12	13.0	0.036
0.50 l with paint brush	09043	-	-	-
1 l with paint brush	09044	-	-	-

## PRESSURE FLUID HANDLING PVC ACCESSORIES



## PVC Cleaner

Liquid cleaner specially adequate for cleaning and degreasing pipes, coupling sockets and other PVC rigid fittings before gluing them together, and for removing excess glue.

	Code	Pack. Standard	Weight kg Standard	Volume in m <sup>3</sup> Standard
Cleaner 500 ml	57685	-	-	-
Cleaner 1000 ml	57687	-	-	-



## Blue Adhesive, extra quick drying for flexible and rigid PVC pipes

For large diameter pressure pipes. Slow setting time, allowing correct positioning of the fittings and perfect cementation.

Supplied with brush.

	Code	Pack. Standard	Weight kg Standard	Volume in m <sup>3</sup> Standard
250 ml	56217	36	11.18	0.02
500 ml	56218	24	13.50	0.02
1000 ml	56221	12	12.90	0.02



## Blue Adhesive, extra quick drying for flexible and rigid PVC pipes

Special for pools. For use in pool installations. Its high Gel composition and covering capacity gives perfect cementation. Supplied with brush.

	Code	Pack. Standard	Weight kg Standard	Volume in m <sup>3</sup> Standard
250 ml	57680	36	11.20	0.02
500 ml	57682	24	13.50	0.02
1000 ml	57683	12	12.90	0.02

## FILTER RING MANIFOLDS FOR ¾" LATERALS



## 8 lateral ring manifold

Made of PVC, inner Ø 50 mm and outer Ø 63 mm. For ¾" collector arms.

	Code	Pack. Standard	Weight kg Standard	Volume in m <sup>3</sup> Standard
	00624	12	4.0	0.017

## 12 lateral ring manifold

Made of PVC, inner Ø 63 mm and outer Ø 75 mm.

	Code	Pack. Standard	Weight kg Standard	Volume in m <sup>3</sup> Standard
	00625	6	3.0	0.310

## FILTER RING MANIFOLDS FOR 1" LATERALS



### 3/4" Laterals

0.3 mm slots.

Length 225 mm

Code	Pack. Standard	Weight kg Standard	Volume in m <sup>3</sup> Standard
------	-------------------	-----------------------	--------------------------------------

Length 160 mm

00626

50

2.0

0.017

Length 110 mm

00627

50

2.0

0.017

Length 100 mm (extensions)

00628

50

2.0

0.008

00629

50

2.0

0.008



### Bush coupling

For laterals. In PVC.

Inside threading 3/4"

Code	Pack. Standard	Weight kg Standard	Volume in m <sup>3</sup> Standard
00630	50	2.0	0.003

## FILTER RING MANIFOLDS FOR 1" LATERALS



### 8 lateral ring manifold

Made of PVC, inner Ø 50 mm and outer Ø 63 mm.

Code	Pack. Standard	Weight kg Standard	Volume in m <sup>3</sup> Standard
06433	12	4.0	0.017

### 12 lateral ring manifold

Made of PVC, inner Ø 63 mm and outer Ø 75 mm.

Code	Pack. Standard	Weight kg Standard	Volume in m <sup>3</sup> Standard
06434	6	3.0	0.310



### 1" laterals

0.3 mm slots.

Length 225 mm

Code

Pack.  
Standard

Weight kg  
Standard

Volume in m<sup>3</sup>  
Standard

06435

50

2.0

0.017

Length 160 mm

06436

50

2.0

0.017

Length 110 mm

06437

50

2.0

0.008

Length 100 mm (extensions)

06438

50

2.0

0.008



### Bush coupling

For laterals. In PVC.

Inner threading 1"

Code	Pack. Standard	Weight kg Standard	Volume in m <sup>3</sup> Standard
06439	-	-	-

## DIFFUSER FILTER



For Ø 50 mm Pipe

Code	Pack. Standard	Weight kg Standard	Volume in m <sup>3</sup> Standard
00645	6	1.0	0.009

For Ø 63 mm Pipe

Code	Pack. Standard	Weight kg Standard	Volume in m <sup>3</sup> Standard
00646	6	2.0	0.023

## COLLECTORS FOR VALVE MANIFOLDS



Collector pipe for valve manifold

Made of PVC. Inlet connections, inner Ø 50 mm and 63 mm. Outlet connections Ø 50 and 63 mm.

	Code	Pack. Standard	Weight kg Standard	Volume in m <sup>3</sup> Standard
Connections Ø 50 mm	31877	1	-	-
Connections Ø 63 mm	34407	1	-	-



## SPAS AND SAUNAS

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SPAS  
SAUNAS

## OUR RANGE OF SPAS



### Advanced range

A range of spas intended for the most demanding users. Ergonomic spas, with numerous features and configuration settings.



### Swimspa range

Swimspas are small residential pools. Versatile, powerful and compact. A health and wellness centre available all year round.



### Essential range

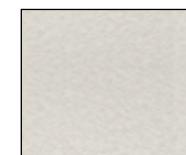
The Essential range seeks to strike a balance between functionality, performance and cost.



### Commercial range

Spas designed for commercial spaces, wellness centres, hotels... A wide range of options and finishes that cover all needs. Spas with both an acrylic and mosaic tile finish.

## COLOUR CHART FOR SPAS



N° 44 WHITE

N° 46 BLUE MARBLE

N° 59 STERLING

N° 64 PEARL SHADOW

N° 72 PEARL CAMEO

N° 27 SILVER

N° 18 SAND

## PRIVATE SPAS WITH CABINET CODING

The coding structure for the wood cabinet spas is made up of 10 digits. The first 5 digits refer to the Spa model and the following ones indicate the range, coating and the colour of the accessories as it is also necessary to specify the colour.

This coding system will be structured in the following way:

X X X X X	X	X	X	XX	CL	XX
Spa Model	Range	Coating type	Accessory colour	Accessories	Variation	Colour

Position 1 to 5: Standard code 5 figure code

Position 6: Product range definition

S	Standard
L	Luxe
A	Plus

Position 7: Coating type definition

1	Coastal Grey portable spa with cabinet
4	Portable spa without cabinet
E	In-ground spa, compact kit version
A	Urban Grey Cabinet
K	Graphite Cabinet
P	Graphite cabinet with hardware
R	Thunder Cabin
Q	Thunder cabinet with hardware
T	Creek Cabinet
W	Butterfly Cabinet

Position 8: Accessories colour definition

3	Stainless steel
---	-----------------

Positions 9 to 10: Options configuration definition

00	Std + Cover
05	Std + Cover + ECOSpa
20	Std + Cover + LumiPlus
21	Std + Cover + ECOSpa + LumiPlus
23	Std + Cover + LumiPlus + Audio
32	Std + Cover + LumiPlus + Stainless steel bar on cabinet
27	Std + Cover + LumiPlus + ECOSpa + Stainless steel bar on cabinet
33	Std + Cover + LumiPlus + Audio + Stainless steel bar on cabinet
34	Std + Cover + LumiPlus + ECOSpa + Audio
35	Std + Cover + LumiPlus + ECOSpa + Audio + Stainless steel bar on cabinet
56	Std + Cover + LumiPlus + EcoSpa + Audio + Stainless Steel Bar on Cabinet + Wi-Fi Touch Panel
55	Std + Cover + LumiPlus + EcoSpa + Nordic Insulation + Audio + Stainless Steel Bar on Cabinet + Wi-Fi Touch Panel

## TYPES OF COATINGS

Graphite



Coastal Grey



Thunder



Creek



Butterfly



While stocks last

## OPTIONAL EQUIPMENT

### EcoSpa thermal insulation



EcoSpa is one of the best thermal insulation systems currently available in the market. This comprehensive system manages to minimise heat loss by convection and conduction, and to use the heat generated by the heater and pumps found in the spa. The walls have an exclusive 30 mm thick layer of polyurethane foam insulation. A strong ABS substructure of insulating plastic at the bottom of the spa ensures total water tightness. Finally, an isothermal cover of between 100 and 130 cm thick gives extra insulation.

All of these features reduce heat loss to a minimum and maximise the recovery of the heat generated by the spa's components, thus reducing energy consumption by up to 67%. With ECOSpa, consumption to maintain the water at 38° with a room temperature of 20° is 6.48 kW/h, while without this system it is 19.52 kW/h.

EcoSpa option

### Nordic Insulation System



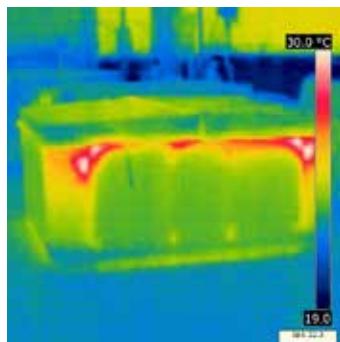
NORDIC INSULATION SYSTEM is designed for cold environments and can enhance your spa's energy efficiency.

The Nordic insulation system comprises a 10mm insulating material composed of five layers. This insulation layer is positioned in the sides and curves of the spa to create an insulating air chamber inside. The five layers are made from:

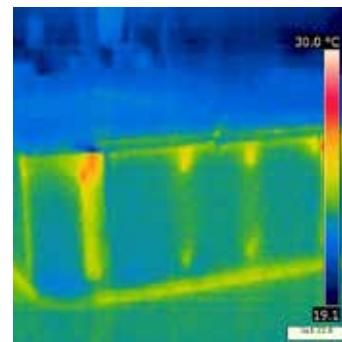
- Aluminium.
- RC9 bubble + low-density polyethylene (double layer).
- FONPEX non-crosslinked polyethylene foam (20 kg/m<sup>3</sup>).
- RC9 bubble + low-density polyethylene (double layer).
- Aluminium.

This system is an improvement over the EcoSpa class as it minimises temperature leak zones and optimises spa energy performance in extreme temperature situations.

Difference between the EcoSpa and Nordic insulation systems in thermal imaging:



Spa with EcoSpa



Spa with Nordic insulation system

### Wi-Fi Touch panel



The Balboa Wi-Fi control panel is an app for your smart device (Android™ or iPhone®) which lets you access your spa over the internet from anywhere, home or away. All you need is a 3G, 4G or Wi-Fi connection to access and control your spa over your mobile phone or tablet.

By using the Wi-Fi control panel, you can make sure that your spa is ready for use every time you want to take a dip. Instead of having to go outside and fiddle around with the buttons on the control panel, this app will enable you to change your spa's settings from your mobile phone or tablet.

The app has a full control interface so you can set the water temperature, run the massage pumps and even control the filtration cycle.

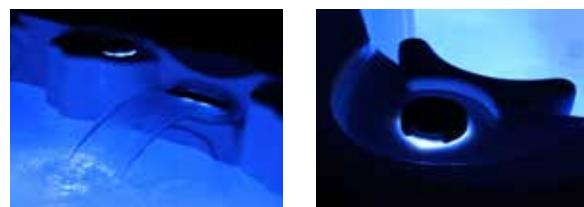
## OPTIONAL EQUIPMENT

### LumiPlus + Bluetooth Audio System, only available for fully skirted portable spas



Natural treatments are one of the main sources of health provided by a spa. Chromotherapy and music therapy are the perfect accompaniment to any hot tub.

Chromotherapy is the natural technique based on the use of colours to help your mind and body find their natural physical, mental and emotional balance. By choosing the LumiPlus option, 5 LED spotlights are added to your spa so that you can enjoy a spectacular ambient lighting system. Thanks to the 5 LED spotlights, you can choose the colours that match your mood at any given time.



The Bluetooth Audio System enables music to be played from any mobile phone, MP4 Player or audio equipment via a simple Bluetooth connection, without the need for any cables and with coverage of up to 7 metres. Now you can truly make your spa a centre of relaxation, health and beauty.

The Advance range has a 4.1 Bluetooth Audio system made up of 4 external loudspeakers, an internal subwoofer and a Bluetooth receiver.

The Essential range has a 2.1 Bluetooth Audio system made up of 2 external loudspeakers, an internal subwoofer and a Bluetooth receiver.

LumiPlus + Bluetooth Audio System option



## STANDARD EQUIPMENT

### Balboa Electronics, standard in all spas



AstralPool only uses new generation control systems made by BALBOA, a leading supplier of electronic controls for hydromassage tubs and spas.

With the continual improvement made to its designs and its innovative solutions to increase the quality and reliability of its systems, the Balboa EL/GL and VS/GS family of control systems has been designed using patented M7 technology for temperature and flow sensors, and its new universal control system increases the flexibility of its functions and reduces installation and configuration problems.

These characteristics make the controls even more reliable, easier to install and easier to use.



## STANDARD EQUIPMENT

### Ozone disinfection system



Ozone is "active oxygen", a special element found in nature. Ozone is a powerful oxidising agent and, unlike traditional chemical products, it does not leave toxic waste behind, and when it has done its work it simply turns back into oxygen. Moreover, tests have proved that it effectively kills bacteria and mould.

AstralPool manufactures spas that give high quality performance and supplies an integrated ozone generator as a standard feature in all of its portable spas. The ozonator has numerous benefits: the water in spas will be safer, cleaner, purer, free of chloramines, trihalomethane and other chlorine by-products, with a high redox potential. Greater water clarity and algae control are obtained using lower concentrations of chemical substances.

A spa with water purified with ozone is one of the most pleasant relaxation and hydrotherapy experiences.

### Ultraviolet disinfection system

Spas equipped with the ultraviolet system are disinfected using UV technology. Thanks to a UV lamp, all bacteria in the water are destroyed. The advantages of the ultraviolet system can be summarised as follows:

It ensures water remains fresh, clean and clear.

It is an efficient and safe way of disinfecting the water.

Its UV-C light breaks down combined chlorine.

It protects the water from germs.

It keeps the formation of mould, bacteria and algae under control.

It can reduce the amount of chlorine and other chemical products used by up to 80%.

It prevents the smell of chlorine and irritation to the skin and eyes (bloodshot eyes).

It is more environmentally friendly than traditional methods.

Using this system, all bacteria, mould and algae will automatically be removed from your spa, and it will be protected from germs without the need for any kind of maintenance.

### Aroma, only available for spas with a blower



Aromatherapy offers the therapeutic properties of pure aromas for a natural treatment and makes a significant contribution in helping to restore your natural state of balance and harmony.

Nobody is indifferent to smells. They bring to mind emotions, memories and ideas. Increase the relaxing effect of your tub by adding a fragrance!

## SPA RANGE

## Model comparison

	ADVANCED RANGE						ESSENTIAL RANGE				SWIMSPA RANGE				
MODELS	Pure	Pure Ergo	Evolution	Atlantida 70	Pacific 70	Ocean 70	Select	Emotion	Equilibre	Corner	Swimspa Dual	Swimspa Mediterranea	Swimspa Creta	Swimspa Compact	
Code	68450	68449	32474	62399	69130	69863	62398	58604	58603	43930	69126	64414	67203	69128	
<b>General Information</b>															
Size cm (± 2 cm)	220 x 220 x 78	220 x 220 x 78	233 x 233 x 91	216 x 216 x 90	216 x 216 x 90	216 x 167 x 74	216 x 198 x 90	216 x 198 x 90	216 x 148 x 90	166 x 200 x 71	575 x 230 x 138	500 x 230 x 138	400 x 230 x 138	400 x 230 x 138	
Places (Seats/Loungers)	4 (4 / -)	5 (3 / 2)	5 (3 / 2)	5 (3 / 2)	6 (5 / 1)	3 (1 / 2)	6 (5 / 1)	5 (3 / 2)	3 (2 / 1)	2 (1 / 1)	1 Vertical + 3 (2 / 1)	3 (2 / 1)	3 (2 / 1)	1 Vertical	
Graphite Cabinet	-	-	•	•	•	•	•	•	•	-	-	-	-	-	
Coastal Grey cabinet	-	-	-	-	-	-	-	-	-	YES	YES	YES	YES	YES	
Thunder Cabin	-	-	Optional	Optional	Optional	Optional	Optional	Optional	Optional	-	-	-	-	-	
Creek Cabinet	-	-	Optional	Optional	Optional	Optional	-	-	-	-	-	-	-	-	
Butterfly Cabinet	-	-	Optional	Optional	Optional	Optional	-	-	-	-	-	-	-	-	
Solid surface Cabinet	•	•	-	-	-	-	-	-	-	-	-	-	-	-	
Without cabinet	-	-	Optional	Optional	Optional	Optional	Optional	Optional	Optional	Optional	Optional	Optional	Optional	Optional	
<b>Options</b>															
EcoSpa thermal insulation	Optional	Optional	Optional	Optional	Optional	Optional	Optional	Optional							
Nordic Insulation	Optional	Optional	Optional	Optional	Optional	Optional	-	-	-	-	-	-	-	-	
Bluetooth Audio system	Optional (Sist. 4.1)	Optional (Sist. 2.1)	-	-	-	Optional (Sist. 4.1)	Optional (Sist. 4.1)	Optional (Sist. 4.1)	Optional (Sist. 4.1)						
LumiPlus LED lighting system	•	•	•	•	•	•	Optional	-	-	-	•	•	•	•	
Stainless steel jets	•	•	•	•	•	•	•	•	•	•	•	•	•	•	
Stainless steel bar	-	-	•	•	•	•	-	-	-	-	•	•	•	•	
Wi-Fi Touch Panel	Optional	Optional	Optional	Optional	Optional	Optional	-	-	-	-	-	-	-	-	
<b>Configurations</b>															
No of jets	27	28	54	52	50	42	52	34	24	22	15 + 5 Turbo Jets + 37 Jets	25 + 5 Turbo jets + 4 Turbo jets	48 + 5 Turbo jets	18 + 5 Turbo jets	
No. of blower nozzles	12	14	16	14	10	-	-	-	-	7	-	-	-	-	
Waterfalls	-	-	1	2	2	-	2	-	-	2	-	1	-	-	
Headrests	2	3	3	3	3	2	3	2	1	2	3	1	3	-	
Digital control panel	1	1	2	1	1	1	1	1	1	1	3	2	2	2	
Oxynator	-	-	-	-	-	-	•	•	•	•	-	-	-	-	
Ultraviolet	•	•	•	•	•	•	-	-	-	-	Yes	Yes	Yes	Yes	
Aromatherapy	•	•	•	•	•	•	-	-	-	•	-	-	-	-	
Chromotherapy	5 LEDs + light Tab	1 LED spot-light	1 LED spot-light	1 LED spot-light	1 LED spot-light	5 LEDs + light Tab	5 LEDs + light Tab	5 LEDs + light Tab	5 LEDs + light Tab						
<b>Structure and Cover</b>															
High-resistance metal structure	•	•	•	•	•	•	•	•	•	•	•	•	•	•	
Insulating ABS base	•	•	•	•	•	•	•	•	•	•	•	•	•	•	
Isothermal cover	•	•	•	•	•	•	•	•	•	•	•	•	•	•	
<b>Technical equipment</b>															
Filter pump	250 W	-	-	250 W	280 W + 250 W	280 W	250 W	250 W							
Massage pump	2 x 1.8 kW / 2.5 HP	2 x 1.8 kW / 2.5 HP	2 x 2.2 kW / 3 HP	2 x 1.8 kW / 2.5 HP	2 x 1.8 kW / 2.5 HP	2.2 kW / 3 HP	2 x 1.8 kW / 2.5 HP	1 x 2.2 kW / 3 HP	1 x 2.2 kW / 3 HP	1 x 1.8 kW / 2.5 HP	3 x 2.2 kW / 3 HP + 2.2 kW / 3 HP	3 x 2.2 kW / 3 HP	3 x 2.2 kW / 3 HP	3 x 2.2 kW / 3 HP	
Blower pump	1,150 W	1,150 W	400 W	400 W	400 W	-	-	-	-	400 W	-	-	-	-	
Electric heater	3 kW	3 kW	3 kW	3 kW	3 kW	3 kW	3 kW	3 kW							
<b>Power consumption and capacity</b>															
Consumption in low amps (W)	3,280 W	3,280 W	5200 W	4400 W	4400 W	3280 W	3870 W	3460 W	3460 W	3250 W	9500 W	7000 W	7000 W	7000 W	
Required power (A) at 230 V	14.3 A	14.3 A	22.6 A	19.1 A	19.1 A	14.3 A	16.8 A	15.0 A	15.0 A	14.1 A	41.3 A	30.4 A	30.4 A	30.4 A	
230 V or 400 V III connection	•	•	•	•	•	•	•	•	•	•	•	•	•	•	
Water capacity (litres)	975 l	975 l	1.610 l	1.138 l	1.138 l	780 l	980 l	900 l	700 l	360 l	6,780 l	8,500 l	6,000 l	6,000 l	
Spa weight (Empty / Full)	450 kg / 1425 kg	450 kg / 1425 kg	378 kg / 1988 kg	327 kg / 1227 kg	327 kg / 1465 kg	229 kg / 1009 kg	305 kg / 1285 kg	292 kg / 1192 kg	229 kg / 929 kg	197 kg / 557 kg	1379 kg / 8159 kg	1177 kg / 9677 kg	1177 kg / 7177 kg	1150 kg / 7150 kg	

## SPAS RANGE - ADVANCED RANGE

Pure - Code 68450

New



## TECHNICAL SHEET

Size in cm ( $\pm 2\text{cm}$ )	220 x 220 x 78
Positions (Seats / Loungers)	4 (4 / -)
Jets + blower nozzles	27 + 12
Maximum consumption in low amp - (A) at 230 V	3280 W - 14.3 A

Spa coding with options generated with the initial table on page <?>.

## Options:

- ECOSpa
- Audio Bluetooth 4.1
- Nordic Insulation
- Wi-Fi Touch Panel

Description	Code
PURE White Solid Surface Cabinet + PureLine + ECOSpa	68450SS336
PURE White Solid Surface Cabinet + PureLine + Bluetooth Audio+ ECOSpa	68450SS337

Pure Ergo - Code 68449

New



## TECHNICAL SHEET

Size in cm ( $\pm 2\text{cm}$ )	220 x 220 x 78
Positions (Seats / Loungers)	5 (3 / 2)
Jets + blower nozzles	28 + 14
Maximum consumption in low amp - (A) at 230 V	3280 W - 14.3 A

Spa coding with options generated with the initial table on page 359.

## Options:

- ECOSpa
- Audio Bluetooth 4.1
- Nordic Insulation
- Wi-Fi Touch Panel

Description	Code
PURE ERGO White Solid Surface Cabinet + PureLine + ECOSpa	68449SS336
PURE ERGO White Solid Surface Cabinet + PureLine + Bluetooth Audio + ECOSpa	68449SS337

## SPAS RANGE - ADVANCED RANGE

Evolution - Code 32474

STERLING COLOUR (59)  
THUNDER CABIN

## TECHNICAL SHEET

Size in cm ( $\pm 2\text{cm}$ )	233 x 233 x 90
Positions (Seats / Loungers)	5 (3 / 2)
Jets + blower nozzles	54 + 16
Maximum consumption in low amp - (A) at 230 V	5200 W - 22,6 A

Spa coding with options generated with the initial table on page 359.

## Options:

- ECOSpa
- Audio Bluetooth 4.1
- Nordic Insulation
- Wi-Fi Touch Panel

Description	Code
EVOLUTION Metallic structure + Stainless steel jets + LumiPlus + Cover	32474L4320
EVOLUTION Graphite cabinet + Stainless steel jets + Stainless steel bar + LumiPlus + Cover	32474LK332
EVOLUTION Thunder cabinet + Stainless steel jets + Stainless steel bar + LumiPlus + Cover	32474LR332
EVOLUTION Creek cabinet + Stainless steel jets + Stainless steel bar + LumiPlus + Cover	32474LT332
EVOLUTION Butterfly Cabinet + Stainless Steel Jets + Stainless Steel Bar + LumiPlus + Cover	32474LW332

Atlantida 70 - Code 62399

STERLING COLOUR (59)  
THUNDER CABIN

## TECHNICAL SHEET

Size in cm ( $\pm 2\text{cm}$ )	216 x 216 x 90
Positions (Seats / Loungers)	5 (3 / 2)
Jets + blower nozzles	52 + 14
Maximum consumption in low amp - (A) at 230 V	4400 W / 19.1 A

Spa coding with options generated with the initial table on page 359.

## Options:

- ECOSpa
- Audio Bluetooth 4.1
- Nordic Insulation
- Wi-Fi Touch Panel

Description	Code
ATLANTIDA 70 Metallic structure + Stainless steel jets + LumiPlus + Cover	62399A4320
ATLANTIDA 70 Graphite cabinet + Stainless steel jets + Stainless steel bar + LumiPlus + Cover	62399AK332
ATLANTIDA 70 Thunder cabinet + Stainless steel jets + Stainless steel bar + LumiPlus + Cover	62399AR332
ATLANTIDA 70 Creek cabinet + Stainless steel jets + Stainless steel bar + LumiPlus + Cover	62399AT332
ATLANTIDA 70 Butterfly Cabinet + Stainless Steel Jets + Stainless Steel Bar + LumiPlus + Cover	62399AW332

## SPAS RANGE - ADVANCED RANGE

Pacific 70 - Code 69130

STERLING COLOUR (59)  
CREEK CABINET

## TECHNICAL SHEET

Size in cm ( $\pm 2\text{cm}$ )	216 x 216 x 90
Positions (Seats / Loungers)	6 (5 / 1)
Jets + blower nozzles	52 + 10
Maximum consumption in low amp - (A) at 230 V	4400 W / 19.1 A

Spa coding with options generated with the initial table on page &lt;?&gt;.

## Options:

- ECOSpa
- Audio Bluetooth 4.1
- Nordic Insulation
- Wi-Fi Touch Panel

Description	Code
PACIFIC 70 Metal Structure + Stainless Steel Jets + LumiPlus + Cover	69130A4320
PACIFIC 70 Graphite Cabinet + Stainless Steel Jets + Stainless Steel Bar + LumiPlus + Cover	69130AK332
PACIFIC 70 Thunder Cabinet + Stainless Steel Jets + Stainless Steel Bar + LumiPlus + Cover	69130AR332
PACIFIC 70 Creek Cabinet + Stainless Steel Jets + Stainless Steel Bar + LumiPlus + Cover	69130AT332
PACIFIC 70 Butterfly Cabinet + Stainless Steel Jets + Stainless Steel Bar + LumiPlus + Cover	69130AW332

Ocean 70 - Code 69863

WHITE COLOUR (44)  
THUNDER CABIN

## TECHNICAL SHEET

Size in cm ( $\pm 2\text{cm}$ )	216 x 167 x 74
Positions (Seats / Loungers)	3 (1 / 2)
Jets	42
Maximum consumption in low amp - (A) at 230 V	3280 W / 14.3 A

Spa coding with options generated with the initial table on page 359.

## Options:

- ECOSpa
- Audio Bluetooth 4.1
- Nordic Insulation
- Wi-Fi Touch Panel

Description	Code
OCEAN 70 Metal Structure + Stainless Steel Jets + LumiPlus + Cover	69863S4320
OCEAN 70 Graphite Cabinet + Stainless Steel Jets + Stainless Steel Bar + LumiPlus + Cover	69863SK332
OCEAN 70 Thunder Cabinet + Stainless Steel Jets + Stainless Steel Bar + LumiPlus + Cover	69863SR332
OCEAN 70 Creek Cabinet + Stainless Steel Jets + Stainless Steel Bar + LumiPlus + Cover	69863ST332
OCEAN 70 Butterfly Cabinet + Stainless Steel Jets + Stainless Steel Bar + LumiPlus + Cover	69863AW332

## SPAS RANGE - ESSENTIAL RANGE

Select - Code 62398

STERLING COLOUR (59)  
GRAPHITE CABINET

## TECHNICAL SHEET

Size in cm ( $\pm 2\text{cm}$ )	216 x 198 x 90
Positions (Seats / Loungers)	6 (5 / 1)
Jets	52
Maximum consumption in low amp - (A) at 230 V	3870 W / 16.8 A

Spa coding with options generated with the initial table on page 359.

## Options:

- LumiPlus
- ECOSpa
- Audio Bluetooth 2.1

Description	Code
SELECT Metallic structure + Stainless steel jets + Cover	62398A4300
SELECT Graphite cabinet + Stainless steel jets + Cover	62398AP300
SELECT Thunder cabinet + Stainless steel jets + Cover	62398AQ300

Emotion - Code 58604

STERLING COLOUR (59)  
GRAPHITE CABINET

## TECHNICAL SHEET

Size in cm ( $\pm 2\text{cm}$ )	216 x 198 x 90
Positions (Seats / Loungers)	5 (3 / 2)
Jets	34
Maximum consumption in low amp - (A) at 230 V	3460 W - 15.0 A

Spa coding with options generated with the initial table on page 359.

## Options:

- ECOSpa

Description	Code
EMOTION Metallic structure + Stainless steel jets + Cover	58604S4300
EMOTION Graphite cabinet + Stainless steel jets + Cover	58604SP300
EMOTION Thunder cabinet + Stainless steel jets + Cover	58604SQ300

## SPAS RANGE - ESSENTIAL RANGE

Equilibre - Code 58603

STERLING COLOUR (59)  
GRAPHITE CABINET

## TECHNICAL SHEET

Size in cm ( $\pm 2\text{cm}$ )	216 x 148 x 90
Positions (Seats / Loungers)	3 (2 / 1)
Jets	24
Maximum consumption in low amp - (A) at 230 V	3460 W - 15.0 A

Spa coding with options generated with the initial table on page 359.

## Options:

- ECOSpa

Description	Code
EQUILIBRE Metallic structure + Stainless steel jets + Cover	58603S4300
EQUILIBRE Graphite cabinet + Stainless steel jets + Cover	58603SP300
EQUILIBRE Thunder cabinet + Stainless steel jets + Cover	58603SQ300

Corner - Code 43930

PEARL CAMEO COLOUR (72)  
COASTAL GREY CABINET

## TECHNICAL SHEET

Size in cm ( $\pm 2\text{cm}$ )	166 x 200 x 71
Positions (Seats / Loungers)	2 (1 / 1)
Jets + blower nozzles	22 + 7
Maximum consumption in low amp - (A) at 230 V	3250 W - 14.1 A

Spa coding with options generated with the initial table on page 359.

## Options:

- ECOSpa

Description	Code
CORNER Metallic structure + S.S. Jets + Cover	43930S4300
CORNER Grey Cabinet + Stainless Steel jets + Cover	43930S1300

## SPAS RANGE - SWIMSPA RANGE

## Swimspa Dual - Code 69126



## TECHNICAL SHEET

Size in cm ( $\pm$ 2cm)	575 x 230 x 138
Places (Seats/Loungers)	
- Swimming area:	1 Vertical
- Spa area:	3 (2 / 1)
Jets <	
- Swimming area:	37 Jets
- Spa area:	15+5 Turbo jets
Max. consumption in low amp - (A) at 230 V	9500 W / 41.3 A

Coding generated with the initial table on page 359.

## Options:

- ECOSpa
- Audio Bluetooth 4.1

Description	Code
DUAL SWIMSPA Coastal Grey Cabinet + Stainless Steel Jets + LumiPlus + Cover	69126A1320
DUAL SWIMSPA Urban Grey Cabinet + White LumiPlus	<b>New</b> 69126AB320
DUAL SWIMSPA Metal Framework + Stainless steel jets + LumiPlus + Cover	69126A4320

## Swimspa Mediterranea - Code 64414

WHITE COLOUR (44)  
URBAN GREY CABINET

## TECHNICAL SHEET

Size in cm ( $\pm$ 2cm)	500 x 230 x 138
Positions (Seats / Loungers)	3 (2 / 1)
Jets	25 jets + 5 Turbo jets + 3 Fountain jets
Max. consumption in low amp - (A) at 230 V	7.000 W / 30.4 A

Coding generated with the initial table on page 359.

## Options:

- ECOSpa
- Audio Bluetooth 4.1



Description	Code
MEDITERRANEA SWIMSPA Coastal Grey Cabinet + Stainless Steel jets + LumiPlus + Cover	64414A1320
MEDITERRANEA SWIMSPA Urban Grey Cabinet + White LumiPlus	<b>New</b> 64414AB320
MEDITERRANEA SWIMSPA Metallic Structure + Stainless Steel jets + LumiPlus + Cover	64414A4320
MEDITERRANEA SWIMSPA For Kit + Stainless Steel jets + Colour LEDS + Digital Control Panel + Cover	65353SE311

Model 65353 must be supplied with the compact kit, code 64972CE001.

We reserve the right to change, wholly or partially, the features of our products and the contents of this document, without prior notice

## SPAS RANGE - SWIMSPA RANGE

Swimspa Creta - Code 67203



## TECHNICAL SHEET

Size in cm ( $\pm 2\text{cm}$ )	400 x 230 x 138
Positions (Seats / Loungers)	3 (2 / 1)
Jets	48 jets + 4 Turbo jets
Max. consumption in low amp - (A) at 230 V	7000 W / 30.4 A

Coding generated with the initial table on page 359.

## Options:

- ECOSpa
- Audio Bluetooth 4.1

Description	Code
CRETA SWIMSPA Coastal Grey Cabinet + Stainless Steel jets + LumiPlus + Cover	67203A1320
CRETA SWIMSPA Urban Grey Cabinet + White LumiPlus	New 67203AB320
CRETA SWIMSPA Metal Framework + Stainless steel jets + LumiPlus + Cover	67203A4320
CRETA SWIMSPA For Kit + Stainless Steel jets + Colour LEDS + Digital Control Panel + Cover	67587SE311

Swimspa Compact - Code 69128



## TECHNICAL SHEET

Size in cm ( $\pm 2\text{cm}$ )	400 x 230 x 138
Positions (Seats / Loungers)	1 Vertical
Jets	18+5 Turbo Jets
Max. consumption in low amp - (A) at 230 V	7000 W / 30.4 A

Coding generated with the initial table on page 359.

## Options:

- EcoSpa
- Audio Bluetooth 4.1



Description	Code
COMPACT SWIMSPA Coastal Grey Cabinet + Stainless Steel Jets + LumiPlus + Cover	69128A1320
COMPACT SWIMSPA Urban Grey Cabinet + White LumiPlus	New 69128AB320
COMPACT SWIMSPA Metal Structure + Stainless Steel Jets + LumiPlus + Cover	69128A4320

We reserve the right to change, wholly or partially, the features of our products and the contents of this document, without prior notice

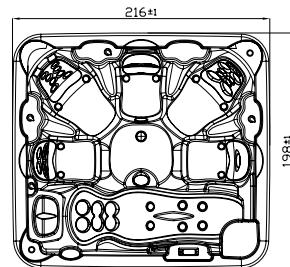
## IN-GROUND RESIDENTIAL SPAS

Thalassa - Code 40768



## TECHNICAL SHEET

<b>Size</b>	216 x 198 ( $\pm 2$ cm)
<b>Jets + nozzles</b>	21 + 16
<b>Drain</b>	1
<b>Electronic control panel</b>	Yes
<b>Positions (Seats / Loungers)</b>	6 (5 / 1)
<b>Water Capacity</b>	980 l
<b>Empty/full Spa weight</b>	251 Kg / 1.231 Kg
<b>Headrest</b>	3
<b>Cover</b>	Optional
<b>LED Chromotherapy projector</b>	Yes
<b>Jets</b>	Stainless steel
<b>Cascade</b>	1
<b>Metallic structure</b>	Yes



## Description

## Code

THALASSA Light + Digital control panel	40768SE310
THALASSA Light + Digital control panel + Cover	40768SE311

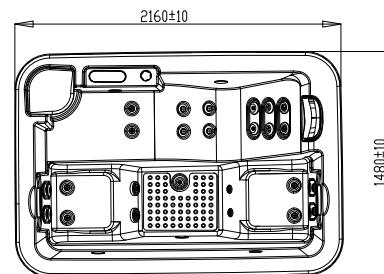
The Spa must compulsorily be supplied with the filter kit, code 41993CE000 or 41993CE001.  
Spa cover sold separately. See section "Spa accessories".

Baltic 40 - Code 54438



## TECHNICAL SHEET

<b>Size</b>	216 x 148 ( $\pm 2$ cm)
<b>Jets + nozzles</b>	14 + 10
<b>Drain</b>	1
<b>Electronic control panel</b>	Yes
<b>Positions (Seats / Loungers)</b>	3 (2 / 1)
<b>Water Capacity</b>	700 l
<b>Empty/full Spa weight</b>	139 Kg / 839 Kg
<b>Headrest</b>	1
<b>Cover</b>	Optional
<b>LED Chromotherapy projector</b>	Yes
<b>Jets</b>	Stainless steel
<b>Aromatherapy</b>	Yes
<b>Cascade</b>	2
<b>Metallic structure</b>	Yes



## Description

## Code

BALTIC 40 + Light + Digital control panel	54438SE310
BALTIC 40 + Light + Digital control panel + Cover	54438SE311

The Spa must compulsorily be supplied with the filter kit, code 41993CE000 or 41993CE001.  
Spa cover sold separately. See section "Spa accessories".

## IN-GROUND RESIDENTIAL SPAS

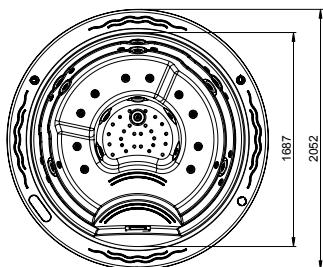
Ronda 30 - Code 49859



Pearl CAMEO COLOUR (72)

## TECHNICAL SHEET

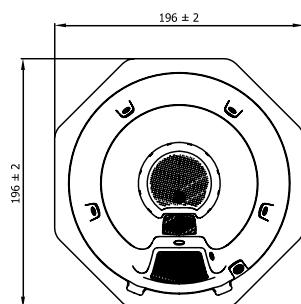
Size	Ø 205 ( $\pm 2$ cm)
Jets + nozzles	20 + 10
Drain	1
Digital control panel	Yes
Positions (Seats / Loungers)	5 (5 / 0)
Water Capacity	680 l
Empty/full Spa weight	132 kg - 812 kg
Chromotherapy LED light	Yes
Jets	Stainless steel
Metallic structure	Yes
Cover	Optional



Inca - Code 04005



WHITE COLOUR (44)



## TECHNICAL SHEET

Size	196 x 196 ( $\pm 2$ cm)
Jets + nozzles	8 + 10
Main drain	1
Digital control panel	Yes
Positions (Seats / Loungers)	6 (6 / 0)
Water Capacity	815 l
Empty/full Spa weight	160 Kg / 975 Kg
Chromotherapy LED light	Yes
Jets	Stainless steel
Metallic structure	Yes

## Description Code

INCA + Light + Digital control panel	04005SE310
INCA + Light + Digital control panel + Cover	04005SE311

The Spa must compulsorily be supplied with the filter kit.  
code 41993CE000 or 41993CE001.

Fully fitted with pipe assembly, skimmer, main drain, filtering, hydromassage and blower nozzles, hydromassage digital control buttons and two Venturi inlets. With adjustable bracket for easy installation.

## COMPACT FILTRATION FOR SPAS

Compact kit for Thalassa, Baltic, Inca and Ronda 30



Code	Oxynator	Digital control	Compact weight	Assembly volume	Max. spa volume	Massage pump
41993CE000		•				
41993CE001	•	•	60 kg	2.05 m <sup>3</sup>	1000 l	2.2 kW

Code	Filter (mm)	Filtration pump	Blower pump	Electric heater	Voltage	Power requirements	Length x width x height
41993	500	0.6 kW 7000 l/h	0.9 kW	3 kW	230 V or 400 V III	3852 W / 16.7 A*	115 x 75 x 105 mm

\* Consumption in Low Amp at 230 V.

Compact kit for Swimspa Mediterranea



Code	Oxynator	Digital control panel	Chromotherapy	Compact weight	Assembly volume	Max. spa volume	Massage pump
64972CE001	•	•	•	70 kg	2.05 m <sup>3</sup>	8500 l	3 x 2.2 kW / 3hp

Code	Filter (mm)	Filtration pump	Electric heater	Voltage	Power requirements	Length x width x height
64972	500	0.6 kW 7000 l/h	3 kW	230 V or 400 V III	7352 W / 31.9 A*	114 x 100 x 112 mm

\* Consumption in Low Amp at 230 V.



Covers for spas



Portable spa cover

Code	Pack. Standard	Weight kg Standard	Volume in m <sup>3</sup> Standard
Cover Spa THALASSA	17139	1	17
Cover Spa BALTIC 40 / OCEAN 40	42345	1	16
Cover Spa RONDA 30	51288	1	15
Cover Spa INCA	23193	1	17

Cover Spa THALASSA  
Cover Spa BALTIC 40 / OCEAN 40  
Cover Spa RONDA 30  
Cover Spa INCA



Cover Stand

Metal Stand for simple handling of the cover.

Code	Pack. Standard	Weight kg Standard	Volume in m <sup>3</sup> Standard
28462	1	10	0.118

## COMPLEMENTS FOR SPAS

### Spa access steps

Synthetic wood staircase in Graphite  
 Basic staircase coastal grey colour  
 Swimspa staircase  
 Synthetic wood staircase in Thunder  
 Synthetic wood staircase in Creek

	Code	Pack. Standard	Weight kg Standard	Volume in m <sup>3</sup> Standard
42002CLOK	42002CLOK	1	15	0.09
	60194	1	5	0.07
	56918CL01	1	35	0.59
	42002CLOR	1	15	0.09
	42002CLOT	1	15	0.09



### Spa parasol in Cameo with LED



Spa parasol in Cameo with LED

	Code	Pack. Standard	Weight kg Standard	Volume in m <sup>3</sup> Standard
	60220	2	15	2

### Portable spa handrail holder



Portable spa handrail holder

	Code	Pack. Standard	Weight kg Standard	Volume in m <sup>3</sup> Standard
	60226	2	8	0.95

### Spa filter cartridge cleaner



Spa filter cartridge cleaner

	Code	Pack. Standard	Weight kg Standard	Volume in m <sup>3</sup> Standard
	60197	1	2	0.04

## LINER ACCESSORIES



## 2 1/2" adjustable jet

Regulates proportion of air/water outlet. 50 mm diameter water inlet and 32 mm air inlet. Flow: 4 m<sup>3</sup>/hour. Pressure 0.8 a.t.m.

Code	Pack. Standard	Weight kg Standard	Volume in m <sup>3</sup> Standard
<b>32641</b>	12	7.625	0.028



## 2" threaded jet

Water inlet diameter of 50 mm and air inlet diameter of 32 mm. Flow rate of 4 m<sup>3</sup>/hour. Atm pressure of 0.8.

Code	Pack. Standard	Weight kg Standard	Volume in m <sup>3</sup> Standard
<b>33586</b>	12	7.625	0.028



## 2" jet thread for liner

New

Water inlet diameter of 50 mm and air inlet diameter of 32 mm. Flow rate of 4 m<sup>3</sup>/hour Atm pressure of 0.8.

Code	Pack. Standard	Weight kg Standard	Volume in m <sup>3</sup> Standard
<b>70532</b>	12	7.625	0.028



## 2" main drain

With elbow for gluing to Ø 50 mm pipe.

Code	Pack. Standard	Weight kg Standard	Volume in m <sup>3</sup> Standard
<b>04042</b>	15	4.8	0.028



## Adjustable air inlet

1" for air regulation to Venturi system for jet function.

Code	Pack. Standard	Weight kg Standard	Volume in m <sup>3</sup> Standard
<b>04045</b>	25	6.0	0.028



## Adjustable silent air inlet

Silent venturi for jet air flow control. Air intake is through embedded part. Attaches to air distributor code 33937.

Code	Pack. Standard	Weight kg Standard	Volume in m <sup>3</sup> Standard
<b>33938</b>	25	8.5	0.028

## LINER ACCESSORIES



### 5 outlet air distributor for venturi

5 outlet air distributor for gluing to venturi with code 33938. Outlets for clamping a flexible hosepipe of 10 mm inner diameter.

Code	Pack. Standard	Weight kg Standard	Volume in m <sup>3</sup> Standard
<b>33937</b>	25	8.5	0.028



### 6 outlet air distributor for venturi

6 outlet air distributor to attach to pipes with a 10 mm inner diameter and glue to 15 mm pipes.

Code	Pack. Standard	Weight kg Standard	Volume in m <sup>3</sup> Standard
<b>33936</b>	25	8.5	0.028



### 10 outlet air distributor

10 outlet air distributor to attach to pipes with a 10 mm inner diameter and glue to 50 mm pipes.

Code	Pack. Standard	Weight kg Standard	Volume in m <sup>3</sup> Standard
<b>35346</b>	25	8.5	0.028



### 4 water outlet manifold

Manifold for gluing to 50 mm pipe, 4 outlets for clamping a hosepipe of 20 mm inner diameter.

Code	Pack. Standard	Weight kg Standard	Volume in m <sup>3</sup> Standard
<b>33934</b>	25	8.5	0.028



### 8 water outlet manifold

Manifold for gluing to 50 mm pipe, 8 outlets for clamping a hosepipe of 20 mm inner diameter.

Code	Pack. Standard	Weight kg Standard	Volume in m <sup>3</sup> Standard
<b>33935</b>	25	8.5	0.028



### Threaded blower nozzle

For air distribution into the SPA from the blowers. Flow rate 5.4 to 7.5 m<sup>3</sup>/h.

	Code	Pack. Standard	Weight kg Standard	Volume in m <sup>3</sup> Standard
White plastic front panel	<b>27602</b>	80	1.6	0.03
Stainless steel front panel	<b>43440</b>	80	1.6	0.03

## LINER ACCESSORIES



## Blower nozzle for gluing

For air distribution into the SPA from the blowers. Flow rate 5.4 to 7.5 m<sup>3</sup>/h.

	Code	Pack. Standard	Weight kg Standard	Volume in m <sup>3</sup> Standard
White plastic front panel	<b>28460</b>	80	1.6	0.03
Stainless steel front panel	<b>43441</b>	80	1.6	0.03



## Blower nozzle lateral outlet 3/8"

For air distribution into the SPA from the blowers. Flow rate 5.4 to 7.5 m<sup>3</sup>/h.

	Code	Pack. Standard	Weight kg Standard	Volume in m <sup>3</sup> Standard
White plastic front panel	<b>34318</b>	80	1.6	0.03
Stainless steel front panel	<b>43442</b>	80	1.6	0.03



## 2" return unit

For return line and massage.

	Code	Pack. Standard	Weight kg Standard	Volume in m <sup>3</sup> Standard
	<b>04034</b>	25	5.0	0.028



## Adjustable air impulsion inlet

For air distribution by means of the blowers. Maximum flow rate 18 m<sup>3</sup>/h.

	Code	Pack. Standard	Weight kg Standard	Volume in m <sup>3</sup> Standard
	<b>49818</b>	12	4.24	0.021



## Pneumatic push button

For starting and stopping massage and hydromassage functions.

	Code	Pack. Standard	Weight kg Standard	Volume in m <sup>3</sup> Standard
For max. 15 m	<b>04047</b>	20	0.5	0.028
For max. 7 m simple	<b>04048</b>	40	1.6	0.028
For max. 7 m simple, with thread	<b>09667</b>	20	0.5	0.028

## Plastic tube

For pneumatic signal from press button to switch. Inner Ø 3.5 mm.

	Code	Pack. Standard	Weight kg Standard	Volume in m <sup>3</sup> Standard
	<b>04054</b>	50	3.33	0.006

## LINER ACCESSORIES



Rotating jet

Flow rate 2 to 2.5 m<sup>3</sup>/h.

Code	Pack. Standard	Weight kg Standard	Volume in m <sup>3</sup> Standard
<b>20297</b>	25	3.33	0.028



Twin rotating jet

Flow rate 2 to 2.5 m<sup>3</sup>/h.

Code	Pack. Standard	Weight kg Standard	Volume in m <sup>3</sup> Standard
<b>20296</b>	25	3.83	0.028



Rotating jet housing

Code	Pack. Standard	Weight kg Standard	Volume in m <sup>3</sup> Standard
<b>20299</b>	15	3.33	0.028



Jet housing for linear pool

Code	Pack. Standard	Weight kg Standard	Volume in m <sup>3</sup> Standard
<b>63144</b>	12	3.33	0.028



Moveable tube jet nozzle to install in substitution of a fixed one

Compatible with codes 20295 and 20299. Flow rate 2 to 2.5 m<sup>3</sup>/h.

Code	Pack. Standard	Weight kg Standard	Volume in m <sup>3</sup> Standard
<b>20298</b>	1	0.8	0.001



2 1/2" wall conduit for rotating jet

Made up of: The jet body, 20 cm wall conduit, niche, threaded fitting, front body. Jet not included.  
Flow rate 5 m<sup>3</sup>/h at 1 bar.

Code	Pack. Standard	Weight kg Standard	Volume in m <sup>3</sup> Standard
<b>20295</b>	4	4	0.018

**Stainless steel accessories  
should not be used in  
pools with salt  
electrolysis systems**

## POOL JET ACCESSORIES

Pool Jet accessories are designed for pools that have a hydromassage section .



### Pool Jet 1 Directional Jet

Flow rate 2.4 to 3.6 m<sup>3</sup>/h. Accessories compatible with 2½" handrail for Pool Jet.

	Code	Pack. Standard	Weight kg Standard	Volume in m <sup>3</sup> Standard
--	------	-------------------	-----------------------	--------------------------------------

Stainless steel finish\*  
White finish

**63148** 25 3.83 0.028  
**63149** 25 3.83 0.028



### Pool Jet 1 Rotating Jet

Flow rate 2.4 to 3.6 m<sup>3</sup>/h. Accessories compatible with 2½" handrail for Pool Jet.

	Code	Pack. Standard	Weight kg Standard	Volume in m <sup>3</sup> Standard
--	------	-------------------	-----------------------	--------------------------------------

Stainless steel finish\*  
White finish

**63150** 25 3.83 0.028  
**63151** 25 3.83 0.028



### Pool Jet 2 Rotating Jets

Flow rate 2.4 to 3.6 m<sup>3</sup>/h. Accessories compatible with 2½" handrail for Pool Jet.

	Code	Pack. Standard	Weight kg Standard	Volume in m <sup>3</sup> Standard
--	------	-------------------	-----------------------	--------------------------------------

Stainless steel finish\*  
White finish

**63152** 25 3.83 0.028  
**63153** 25 3.83 0.028



### Pool Jet Rotating Beehive

Flow rate 2.4 to 3.6 m<sup>3</sup>/h. Accessories compatible with 2½" handrail for Pool Jet.

	Code	Pack. Standard	Weight kg Standard	Volume in m <sup>3</sup> Standard
--	------	-------------------	-----------------------	--------------------------------------

Stainless steel finish\*  
White finish

**63154** 25 3.83 0.028  
**63155** 25 3.83 0.028



### 2½" handrail for Pool Jet

With elbow for gluing Ø 50 mm pipe.

	Code	Pack. Standard	Weight kg Standard	Volume in m <sup>3</sup> Standard
--	------	-------------------	-----------------------	--------------------------------------

Chrome-plated bronze front panel

**63146** 4 4 0.018

Chrome accessories suitable only for baths that use no chemical treatment. Not suitable for pools.



## ACCESSORIES FOR MINISPAS

### 1 ½" main drain

With elbow for gluing Ø 50 mm pipe.

Chrome-plated bronze front panel

Code	Pack. Standard	Weight kg Standard	Volume in m <sup>3</sup> Standard
04104	3	7.5	0.028



### Adjustable air inlet

¾" to control air massage to Venturi system for jet function

Chrome-plated bronze front panel  
White plastic front panel

Code	Pack. Standard	Weight kg Standard	Volume in m <sup>3</sup> Standard
04108	10	9.0	0.028
04110	10	3.0	0.028



### Pneumatic push button

For starting and stopping massage and hydromassage functions.

Chrome-plated bronze front panel  
White plastic front panel

Code	Pack. Standard	Weight kg Standard	Volume in m <sup>3</sup> Standard
04111	10	6.0	0.028
04113	12	6.0	0.028



### Blower Inlet

For minispa air distribution from the blower. 1 ½" thread.

Chrome-plated bronze front panel

Code	Pack. Standard	Weight kg Standard	Volume in m <sup>3</sup> Standard
04114	20	7.5	0.028



### 1 ¼" jet with adaptor to water return

Jet with adaptor to return water to pipe. Also adaptor to connect to water return and air circulation pipe, solvent for inner Ø 32 mm, directional.

Chrome-plated bronze front panel  
White plastic front panel

Code	Pack. Standard	Weight kg Standard	Volume in m <sup>3</sup> Standard
04095	8	12.0	0.028
04097	12	12.0	0.028



### Jet 1 ¼"

With adaptor to connect to return water pipe and Venturi to glue to Ø 32 mm pipe, directional.

Chrome-plated bronze front panel  
White plastic front panel

Code	Pack. Standard	Weight kg Standard	Volume in m <sup>3</sup> Standard
04092	8	10.0	0.028
04094	24	5.0	0.028



### 1 ¼" return inlet

Built in chrome brass  
Built in white plastic

Code	Pack. Standard	Weight kg Standard	Volume in m <sup>3</sup> Standard
04100	4	15.0	0.028
04103	12	3.5	0.028

## ELECTRICAL ACCESSORIES FOR SPAS / MINI SPAS



Programmable digital thermostat

To operate ON/OFF contactor.

Code	Pack. Standard	Weight kg Standard	Volume in m <sup>3</sup> Standard
<b>11288</b>	20	0.5	0.003



Electric press button

230 V 50 Hz.

Code	Pack. Standard	Weight kg Standard	Volume in m <sup>3</sup> Standard
<b>33387</b>	1	1.5	0.003



Electropneumatic equipment

With two switches. Up to 1.47 kW (2HP).

Code	Pack. Standard	Weight kg Standard	Volume in m <sup>3</sup> Standard
<b>04053</b>	2	4.0	0.028



Pneumatic switch

For starting and stopping massage and hydromassage functions.

	Code	Pack. Standard	Weight kg Standard	Volume in m <sup>3</sup> Standard
Pneumatic switch	<b>04050</b>	25	1.0	0.028
Pneumatic switch and presostat	<b>11290</b>	6	0.5	0.028
Pneumatic presostat	<b>11291</b>	12	1.0	0.028

## AIR BLOWERS



### Continuous operation lateral turbo blower pump

Air pump designed for spas, hydromassage tubs and similar which produces a constant stream of air bubbles at medium and high air volume levels. It can also be used to stir up the filter bed, for example in backwash cycles where a low intensity air current is required. The filter casing and impeller are made from an injected aluminium alloy whilst the motor spindle is manufactured from stainless steel, with the impeller dynamically balanced and directly adapted to the spindle. The motors, 2 single phase or 3 phase for continuous use, are made from steel in compliance with CEI 2/3 1988 regulations, and feature IP54 external protection and class-F insulation. The pumps can be mounted horizontally or vertically. Moreover, since there is no contact between the mobile parts and the pump static discharges, neither lubrication nor maintenance is necessary and it also doesn't cause wear on the parts.

The turbines have a maximum working temperature of 40°C. Do not use in conjunction with aggressive, inflammable or explosive gases.

Model	Code	Frequency (Hz)	Power supply (V)	Phase	Flow rate (m³/h)	Maximum pressure (mbar)	Standard weight (kg)	Standard volume (m³)
Blower 0.4 kW	33970	50	Δ 200-240 Y 345-415	3	80	130	10	0,045
Blower 0.5 kW		60	Δ 220-275 Y 380-480	3	98	170		
Blower 0.85 kW	35388	50	200-240	1	145	160	17	0,059
Blower 0.95 kW		60	200-240	1	175	160		
Blower 0.85 kW	35387	50	Δ 200-240 Y 345-415	3	145	160	16	0,045
Blower 0.95 kW		60	Δ 220-275 Y 380-480	3	175	160		
Blower 1.3 kW	31090	50	200-240	1	210	170	23	0,059
Blower 1.5 kW		60	200-240	1	255	140		
Blower 1.3 kW	31091	50	Δ 200-240 Y 345-415	3	210	170	22	0,059
Blower 1.5 kW		60	Δ 220-275 Y 380-480	3	255	140		
Blower 1.5 kW	33971	50	200-240	1	210	220	24	0,064
Blower 1.75 kW		60	200-240	1	255	220		
Blower 1.6 kW	31092	50	Δ 200-240 Y 345-415	3	210	220	23	0,064
Blower 2.1 kW		60	Δ 220-275 Y 380-480	3	255	220		
Blower 1.6 kW 2V	35389	50	Δ 200-240 Y 345-415	3	150	300	25	0,087
Blower 2.06 kW 2V		60	Δ 220-275 Y 380-480	3	180	310		
Blower 2.2 kW	31093	50	Δ 200-240 Y 345-415	3	318	230	30	0,097
Blower 2.55 kW		60	Δ 220-275 Y 380-480	3	376	220		
Blower 3.0 kW 2V	31094	50	Δ 200-240 Y 345-415	3	230	410	40	0,126
Blower 3.45 kW 2V		60	Δ 220-275 Y 380-480	3	275	400		
Blower 3.0 kW	31095	50	Δ 200-240 Y 345-415	3	318	280	36	0,097
Blower 3.45 kW		60	Δ 220-275 Y 380-480	3	376	280		
Blower 4.3 kW 2V	31096	50	Δ 345-415 Y 600-720	3	520	600	54	0,217
Blower 4.8 kW 2V		60	Δ 380-480 Y 660-720	3	385	320		
Blower 5.5 kW	31097	50	Δ 345-415 Y 600-720	3	530	320	63	0,16
Blower 6.3 kW		60	Δ 380-480 Y 660-720	3	620	340		
Blower 5.5 kW 2V	33972	50	Δ 345-415 Y 600-720	3	320	515	66	0,201
Blower 6.3 kW 2V		60	Δ 380-480 Y 660-720	3	385	530		
Blower 7.5 kW	31098	50	Δ 345-415 Y 600-720	3	530	400	66	0,16
Blower 8.6 kW		60	Δ 380-480 Y 660-720	3	620	400		
Blower 11 kW 2V	33973	50	Δ 345-415 Y 600-720	3	520	600	104	0,353
Blower 12.6 kW 2V		60	Δ 380-480 Y 660-720	3	620	600		
Blower 12.5 kW	33974	50	Δ 345-415 Y 600-720	3	1050	270	116	0,353
Blower 14.5 kW		60	Δ 380-480 Y 660-720	3	1250	260		



### Intermittent operation air blower, 900 W

0.90 kW flow 54 m³/h at 1.5 m water head

Code	Pack. Standard	Weight kg Standard	Volume in m³ Standard
19289	1	3.5	0.028

## AIR BLOWERS



### Water pump

ABS (25%) and fibreglass (75%) housing. A 0.37 kW (0.5 hp) motor. IP-55 electrical connection rating of 24 V 220 V 1~ 50Hz . 2" male suction connection. 1½" male return connection.

#### TECHNICAL DETAILS

water head	m³/h
2	16.5
4	14.8
6	12.6
8	10
10	7

Code	Pack. Standard	Weight kg Standard	Volume in m³ Standard
04091	1	6.0	0.016

04091



### Intermittent operation air blower

Code	Pack. Standard	Weight kg Standard	Volume in m³ Standard
06862	1	3.5	0.028
06863	1	3.5	0.028

### Cala Pump

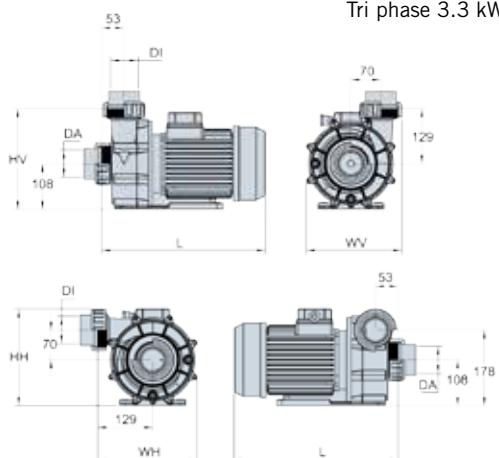
Centrifugal pump for spas, backwashes and other applications.

- Pump body manufactured in polypropylene reinforced with fibreglass, resistant to pool chemical products thus guaranteeing long and excellent duration.
- Turbine in Noryl.
- Graphite and ceramic mechanical seal.
- AISI 316L stainless steel motor spindle.
- Enclosed motor, completely silent, with IP-55 protection at 2850 r.p.m. Single phase power voltage at 230V-50Hz or triphase at 230/400-50Hz.
- Versions from 1.5 to 4.5 HP.
- Suction and return connections for gluing hoses included with the pump.
- Suction and return at Ø63.



Single phase 1.1 kW Cala Pump  
Tri phase 1.1 kW Cala Pump  
Single phase 1.5 kW Cala Pump  
Tri phase 1.5 kW Cala Pump  
Single phase 2.2 kW Cala Pump  
Tri phase 2.2 kW Cala Pump  
Single phase 2.9 kW Cala Pump  
Tri phase 3.3 kW Cala Pump

Code	Pack. Standard	Weight kg Standard	Volume in m³ Standard
CA150M	1	15.0	0.058
CA150T	1	15.0	0.058
CA200M	1	16.5	0.058
CA200T	1	16.5	0.058
CA300M	1	19.5	0.058
CA300T	1	19.5	0.058
CA400M	1	22.5	0.058
CA450T	1	22.5	0.058



Code	Power		Size						
	kW	HP	L	WV	HV	WH	HH	DA	DI
CA150M	1.1	1.5	350	225	237	235	228	Ø63	Ø63
CA150T									
CA200M	1.5	2.0	365	225	237	235	228	Ø63	Ø63
CA200T									
CA300M	2.2	3.0	385	225	237	235	228	Ø63	Ø63
CA300T									
CA400M	2.9	4.0	415	225	237	235	228	Ø63	Ø63
CA450T	3.3	4.5							

## SAUNAS



2 seats, code 70470-70471



4 seats, code 70439-70442

The benefits of an AstralPool sauna range from muscle relaxation to sweat stimulation thanks to their hot and dry environment (relative humidity between 20% and 50%). AstralPool saunas are made from pre-fabricated panels with interior insulation in mineral wool and aluminium. The wall coating is covered with pre-treated wood that has been fired and dried to last for many years.

### Miramonte sauna

Miramonte sauna reflects the excellence of a Finnish sauna formed of high-quality white pinewood vertical panels and abachi timber flooring. The entire front panel of the Miramonte sauna is glazed to showcase the LED lighting inside. Also includes 2 benches with abachi headrests and a heater adapted to each size.

Code	Type	Dimensions (cm)	Heating (kW)	Control unit
<b>70470</b>	Miramonte sauna	200 x 150 x 210	7 kW 230/400V 3~	Touchscreen / Exterior
<b>70471</b>	Miramonte sauna	200 x 200 x 210	7 kW 230/400V 3~	Touchscreen / Exterior
<b>70439</b>	Miramonte sauna	250 x 200 x 210	9 kW 230/400V 3~	Touchscreen / Exterior
<b>70440</b>	Miramonte sauna	250 x 250 x 210	9 kW 230/400V 3~	Touchscreen / Exterior
<b>70441</b>	Miramonte sauna	300 x 250 x 210	10.8 kW 230/400V 3~	Touchscreen / Exterior
<b>70442</b>	Miramonte sauna	300 x 300 x 210	13.5 kW 230/400V 3~	Touchscreen / Exterior

Accessories	Code	Unit	Weight kg Standard	Volume in m <sup>3</sup> Standard
Stainless steel accessories set	<b>70443</b>	un.	-	-
Set of decorative salt elements	<b>70444</b>	un.	-	-
Outside wall finished with vertical timber panels	<b>70447</b>	metre length	-	-
Stone-based decorative wall protection	<b>70456</b>	un.	-	-
Remote control kit for RGB colours	<b>70457</b>	un.	-	-



The Classic sauna can be made to order in the following woods: white pine, thermo Aspen, Canadian spruce and red cedar.

Optional: glass panel follow-on from door.

Code	Type	Dimensions (cm)	Heating (kW)	Control unit
<b>70431</b>	Classic sauna	150 x 150 x 210	4.5kW 230/400 3~	Exterior
<b>70432</b>	Classic sauna	200 x 150 x 210	6kW 230/400 3~	Exterior
<b>70433</b>	Classic sauna	200 x 200 x 210	6kW 230/400 3~	Exterior
<b>70455</b>	Classic sauna	250 x 200 x 210	8kW 230/400 3~	Exterior
<b>70434</b>	Classic sauna	250 x 250 x 210	9kW 230/400 3~	Exterior
<b>70436</b>	Classic sauna	300 x 250 x 210	10.5kW 230/400 3~	Exterior
<b>70437</b>	Classic sauna	300 x 300 x 210	13.5kW 230/400 3~	Exterior
<b>70438</b>	Classic sauna	400 x 300 x 210	16.5kW 230/400 3~	Exterior

Accessories	Code	Unit	Weight kg Standard	Volume in m <sup>3</sup> Standard
Stainless steel accessories set	<b>70443</b>	un.	-	-
Set of decorative salt elements	<b>70444</b>	un.	-	-
Remote control kit for RGB LED colours	<b>70445</b>	un.	-	-
Touchscreen control unit for sauna heater	<b>70446</b>	un.	-	-
Outside wall finished with vertical timber panels	<b>70447</b>	metre length	-	-
Roof extension	<b>70448</b>	m <sup>2</sup>	-	-
Tinted/transparent glass window	<b>70449</b>	m <sup>2</sup>	-	-
Concealed heater for sauna up to 300 x 250 cm	<b>70450</b>	un.	-	-
Concealed heater for sauna more than 300 x 250 cm	<b>70451</b>	un.	-	-
Extra wall for concealed heater	<b>70452</b>	metre length	-	-
Aroma dosing system	<b>70453</b>	un.	-	-

## SAUNAS



### Basic sauna

The Basic sauna is made from solid spruce wood. The ceiling has 30 mm insulation and the door is made from glass. Includes:

- 2 x 50 cm benches and 1 headrest.
- Sauna heater with integrated control unit.
- Sauna stones.
- Heater with protective cover.
- Fan regulator.
- Wooden accessories kit.

Code	Type	Measurements (cm)	Heating (kW)	Control unit
70454	Basic sauna	194.5 x 156 x 204	6 kW 230/400 3~	Built-in
70430	Basic sauna	194,5 x 186.5 x 204	8 kW 230/400 3~	Built-in



### Infrared Saunas

- Modular prefabricated cabin in birch-coloured hemlock spruce.
- Door with tempered glass, handle and lock.
- Birch-coloured spruce benches and berths. High-quality ceramic infrared lighting.
- Interior lighting. Extra exterior lighting in saunas with overhang.
- Embedded CD radio with 2 speakers.
- Wooden back.
- Two control panels, one inside the sauna and the other outside for:
  - Temperature Control
  - Time control
  - Light control

Code	Type	Inside Size (mm)			Heating kW	No of benches	No of people	
		Width	Length	Height			Seated	Stretched
64512	120 x 105 x 190 h	1130	910	1740	1,80	1	2	0
64513	155 x 110 x 190 h	1482	978	1740	2,00	1	3	0
64514	155 x 60 x 120 x 190 h corner	1400	1155	1715	2,00	2	4	0
64515	175 x 120 x 190 h	1615	1120	1715	2,20	2	4	0
64516	210 x 115 x 190 h	2020	1010	1740	2,40	1	5	1

## ACCESSORIES - SAUNAS



### Sauna accessories

Code	Accessory type
34007	Timber door with bronze coloured glass window
34008	Bronze coloured glass door
34009	Sauna kit made up of: wooden bucket with ladle, sand timer, thermometer, thermohygrometer
34010	Timber ventilation grille
34011	Timber headrest
34066*	Fragrance bottles 250 ml: pine, eucalyptus, birch, peppermint..

\* Depending on the fragrance. Ask your sales rep for the reference you should use.

## ACCESSORIES - SAUNAS



### Harvia Helix steam generators

Includes control panel and temperature sensor.

	Code	Pack. Standard	Weight kg Standard	Volume in m <sup>3</sup> Standard
Steam generator Helix 4.5 kW	<b>61400</b>	1	-	-
Steam generator Harvia Helix 6 kW	<b>61401</b>	1	-	-
Steam generator Harvia Helix 9 kW	<b>61402</b>	1	-	-
Steam generator Harvia Helix 11 kW	<b>60327</b>	1	-	-
Steam generator Harvia Helix 15 kW	<b>61403</b>	1	-	-

### Harvia Helix Pro steam generators

Includes control panel, temperature sensor, automatic discharge valve and fragrance pump.

	Code	Pack. Standard	Weight kg Standard	Volume in m <sup>3</sup> Standard
Steam generator Harvia Helix Pro 22 kW	<b>61404</b>	1	-	-
Steam generator Harvia Helix Pro 30 kW	<b>61405</b>	1	-	-
Auto Clean Valve Harvia	<b>60328</b>	1	-	-



### Harvia Vega sauna heater

Stones included.

	Code	Pack. Standard	Weight kg Standard	Volume in m <sup>3</sup> Standard
Harvia Vega sauna heater 4.5 kW	<b>61387</b>	1	-	-
Harvia Vega sauna heater 4.5 kW E	<b>61388</b>	1	-	-
Harvia Vega sauna heater 6 kW	<b>61389</b>	1	-	-
Harvia Vega sauna heater 6 kW E	<b>61390</b>	1	-	-
Harvia Vega sauna heater 8 kW	<b>60323</b>	1	-	-
Harvia Vega sauna heater 8 kW E	<b>60325</b>	1	-	-
Harvia Vega sauna heater 9 kW	<b>60324</b>	1	-	-
Harvia Vega sauna heater 9 kW E	<b>60326</b>	1	-	-



### Digital control panel

Light control, temperature control, operation time control, delayed start time and protection IP-34.

	Code	Pack. Standard	Weight kg Standard	Volume in m <sup>3</sup> Standard
Digital control panel	<b>56780</b>	1	-	-



## HEATING

- 388 • EU F-gas regulations
- 388 • Inverter technology
- 389 • Air/water heat pumps, for outdoor installation
- 392 • Air-water heat pumps for indoor installation
- 392 • Air/water heat pumps with axial ventilator,  
for outdoor installation
- 394 • Water-air coolers for indoor or outdoor installation
- 395 • Electrical heat exchangers
- 396 • Water-water exchanger

New app:

AstralPool Toolbox

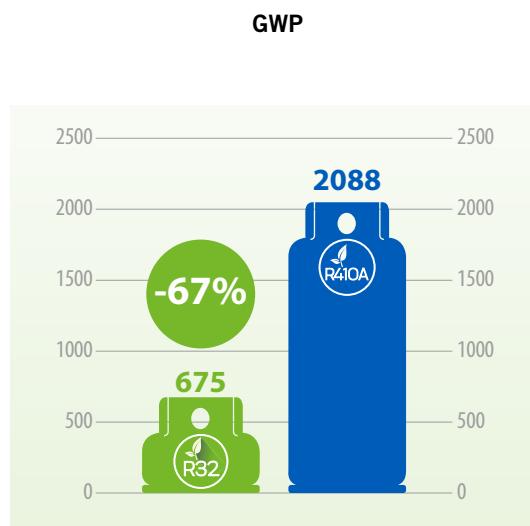


Download this new app to consult which heat pump and dehumidifier best adapt to your pool.

## EU F-GAS REGULATIONS

According to EU regulation 517/2014, the refrigerant gases with a high global warming potential (GWP) will be gradually phased out in the coming years, as is the case of known as F-Gas R-407C and R-410A.

AstralPool is now starting to use new gases with a lower GWP in order to provide more environmentally friendly products that are also more efficient. R-32 gas will be used in some of our ranges in 2019 as proof of our commitment to respect for the environment.

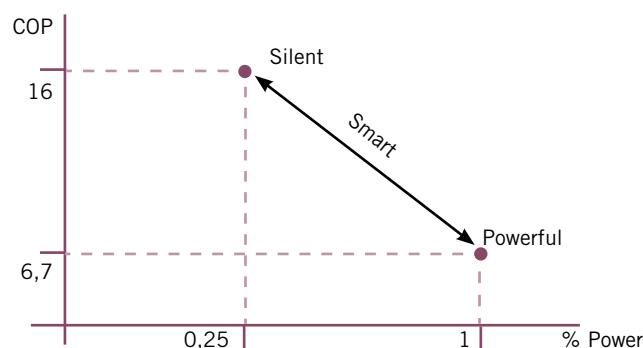


## INVERTER TECHNOLOGY

**Inverter technology** enables a heat pump to change its power mode depending on the temperature of the pool water and the weather conditions. It therefore runs in the most suitable power mode to achieve better energy efficiency, as well as making less noise than other heat pumps and it can be used all year around.

### Operating modes:

- **Powerful:** the heat pump runs at full power - recommended at the beginning of the bathing season for quickly increasing the water's temperature or if it is cold outside.
- **Smart:** the heat pump works automatically - recommended mode for normal use.
- **Silent:** the heat pump works in the lowest power setting - recommended if silence is required at night time.





Further information in PRODUCTS  
www.astralpool.com

## AIR/WATER HEAT PUMPS, FOR OUTDOOR INSTALLATION



Fluidra Connect  
compatible

AstralPool  
Toolbox app for  
iOS and Android

Web

Heat pump configurator:  
[www.astralpool.com](http://www.astralpool.com) ->  
Calculation tools

### AstralPool Heat 3



New

A heat pump for outdoor pools. It comes with inverter technology and is Fluidra Connect-compatible. It has been specially designed to obtain good performance in harsher climates. In addition, it runs in power-saving mode to achieve better energy efficiency, makes less noise than other heat pumps and can be used all year around.

#### Technical features:

- Inverter technology**, which automatically changes the power setting so that the heat pump runs at optimum efficiency levels.
- Fluidra Connect-compatible** through a Modbus connection to the Fluidra Connect platform.
- A soft starter** prevents current surges when the compressor starts up.
- Lowest outdoor air working temperature of -20 °C**, designed to work in cold climates.
- The reverse cycle defrosting system makes defrosting faster.
- Heating and cooling modes, thanks to the four-way valve.
- Electronic expansion valve for enhanced COP performance.
- R-32 refrigerant gas, free of agents that damage the ozone layer.
- ABS plastic housing, which prevents corrosion.
- Titanium exchanger with twisted tube for enhanced performance.
- High- and low-pressure flow meter and pressure switch.
- Modbus-compatible.
- Touchscreen

**Accessories included:** Winter cover, anti-vibration brackets, drainage connection, screen watertight box, 10m screen connection cable, hydraulic connection fittings and Modbus signal cable.

	Code	Pack. Standard	Weight kg Standard	Volume in m <sup>3</sup> Standard
AstralPool Heat 3 - 14	<b>68837</b>	1	70	-
AstralPool Heat 3 - 17	<b>68838</b>	1	75	-
AstralPool Heat 3 - 21	<b>68839</b>	1	92	-
AstralPool Heat 3 - 26	<b>68840</b>	1	111	-

#### TECHNICAL FEATURES

MODELS	14kW	17kW	21kW	26kW
CODES	68837	68838	68839	68840
VOLTAGE	V	220-240V /50Hz or 60Hz/1PH		
RATED CURRENT	A	8,1	9,8	12,0
RECOMMENDED POOL VOLUME (WITH COVER)	m <sup>3</sup>	18-66	28-86	58-122
NOMINAL FLOW	m <sup>3</sup> /h	4,0	5,0	6,0
PRESSURE LOSS DROP	Kpa	14	15	18
NUMBER OF FANS			1	
NOISE LEVEL (1M)	dB(A)	40-54	41-56	41-56
AIR TEMP. 28° HUMIDITY 80%	POWER	kW	13-3	20.5-4.6
	CONSUMPTION	kW	1.49-0.19	3.05-0.29
	COP		16-6.7	16-6.7
AIR TEMP. 15° WATER TEMP. 26° HUMIDITY 70%	POWER	kW	9.6-2	14-3
	CONSUMPTION	kW	1.84-0.26	2.7-0.36
	COP		8.0-5.2	8.2-5.1
NET WEIGHT	kg	70	75	92
SIZE	mm	820*695*830		950*900*1025

+ info

PDB  
Product DatabaseConsulte + info en PRODUCTOS.  
[www.astralpool.com](http://www.astralpool.com)

## AIR/WATER HEAT PUMPS, FOR OUTDOOR INSTALLATION



Pro Elyo Inverboost NN



A heat pump with an "A" energy rating for outdoor pools. It comes with inverter technology and is Fluidra Connect-compatible. It has been specially designed to obtain good performance in harsher climates. In addition, it runs in power-saving mode to achieve better energy efficiency, makes less noise than other heat pumps and can be used all year around.

**Technical features:**

- **"A" energy rating**, which can make savings of up to 33%.
- **Inverter technology**, which automatically changes the power setting so that the heat pump runs at optimum efficiency levels.
- **Fluidra Connect-compatible** through a Modbus connection to the Fluidra Connect platform.
- **A soft starter** prevents current surges when the compressor starts up.
- **Lowest outdoor air working temperature of -20 °C**, designed to work in cold climates.
- The reverse cycle defrosting system makes defrosting faster.
- Heating and cooling modes, thanks to the four-way valve.
- Electronic expansion valve for enhanced COP performance.
- R-410a or R-32 refrigerant gas depending on model, free of agents that damage the ozone layer.
- ABS plastic housing, which prevents corrosion.
- Titanium exchanger with twisted tube for enhanced performance.
- High- and low-pressure flow meter and pressure switch.
- Modbus-compatible.



Fluidra Connect compatible

AstralPool Toolbox app for iOS and Android

## Web

Heat pump configurator:  
[www.astralpool.com](http://www.astralpool.com) ->  
Calculation tools

**Accessories included:** Winter cover, anti-vibration brackets, drainage connection, screen watertight box, 10m screen connection cable, hydraulic connection fittings and Modbus signal cable.

	Code	Pack. Standard	Weight kg Standard	Volume in m <sup>3</sup> Standard
Pro Elyo Inverboost NN 7 kw	<b>71676</b>	1	54	-
Pro Elyo Inverboost NN 11 kw	<b>71678</b>	1	68	-
Pro Elyo Inverboost NN 14 kw	<b>71679</b>	1	73	-
Pro Elyo Inverboost NN 16 kw	<b>71680</b>	1	78	-
Pro Elyo Inverboost NN 20 kw	<b>71681</b>	1	98	-
Pro Elyo Inverboost NN 26 kw	<b>71682</b>	1	117	-
Pro Elyo Inverboost NN 26 kw T	<b>68821</b>	1	120	-
Pro Elyo Inverboost NN 35 kw T	<b>68823</b>	1	130	-

TECHNICAL FEATURES								
MODELS		7 kW	11 kW	14 kW	16 kW	20 kW	26 kW	26 kW T
CODES		71676	71678	71679	71680	71681	71682	68821
VOLTAGE	V	220~240V/50Hz or 60Hz/1PH						380V/50Hz or 60Hz /3PH
REFRIGERANT GAS		R32						R410A
RATED CURRENT	A	4.6	7.2	9.2	10.5	13.2	17.0	6.2
RECOMMENDED POOL VOLUME (WITH COVER)	m <sup>3</sup>	46296	16-60	18-66	28-85	58-120	65-132	68-135
NOMINAL FLOW	m <sup>3</sup> /h	2.5	3.7	4.0	5.0	6.0	8.0	8.0
PRESSURE LOSS DROP	Kpa	12	14	15	15	18	20	20
NUMBER OF FANS		1					2	
NOISE LEVEL (1 M)	dB(A)	38-51	40-52	40-54	40-54	41-56	42-60	42-60
AIR TEMP. 28° HUMIDITY 80%	POWER	kW	7-3.1	11-2.9	14-3.2	16-3.8	20-4.7	26-5.9
	CONSUMPTION	kW	1.04-0.21	1.64-0.18	2.09-0.2	2.39-0.24	2.99-0.29	3.88-0.37
	COP		15-6.7	16-6.7	16-6.7	16-6.7	16-6.7	16-6.7
AIR TEMP. 15° HUMIDITY 70%	POWER	kW	4.7-2.5	7.9-2	9.5-2.3	11.2-3	14-3.9	18-5.4
	CONSUMPTION	kW	0.94-0.32	1.58-0.25	1.9-0.29	2.24-0.38	2.8-0.49	3.6-0.68
	COP		7.9-5	8.0-5	8.0-5	8.2-5	8.2-5	8.2-5
NET WEIGHT	kg	56	73	78	98	117	128	120
SIZE	mm	1008*380*577		1050*440*709		1050*450*870	1050*452*1295	1050*460*1285

## AIR/WATER HEAT PUMPS, FOR OUTDOOR INSTALLATION



Evoline NN



Air/water heat pump to heat your pool in the cheapest possible way. Private pools up to 80 m<sup>3</sup>. This technology makes it possible to extend the swimming season to enjoy your pool more months of the year. Its ability to extract air energy means it can obtain up to 5 times the energy it consumes, delivering low consumption and making it more environmentally friendly.

- The heat pump with the best quality/price ratio in the market.
- Soft starter included in higher outputs.
- EVOLine is especially designed for the climates where it will be used, ensuring great energy savings for low temperatures.
- The greater the EOM, the bigger the energy saving and the lower the energy costs. EVOLine pumps have oversized parts such as: Evaporator and Titanium A1 two coil exchanger.
- Electrical resistance on bottom tray to prevent ice from forming on the base of the unit
- Reverse cycle defrosting.
- R410A refrigerant.
- Minimum air working temperature 0°C.
- Heat and cold regulation to keep temperature steady.
- ABS housing.
- Digital control, leak-tight control box.
- High and low pressure switch.
- Winter cover included.
- Modbus-compatible.



Fluidra Connect compatible



EVOLine app for iOS and Android



AstralPool Toolbox app for iOS and Android

## Web

Heat pump configurator:  
[www.astralpool.com](http://www.astralpool.com) ->  
Calculation tools

Code	Pack. Standard	Weight kg Standard	Volume in m <sup>3</sup> Standard
<b>EVOLINE 6</b>	<b>66069-MOB</b>	1	33
<b>EVOLINE 10</b>	<b>66070-MOB</b>	1	48
<b>EVOLINE 13</b>	<b>66071-MOB</b>	1	55
<b>EVOLINE 15</b>	<b>66072-MOB</b>	1	60
<b>EVOLINE 17</b>	<b>67405-MOB</b>	1	68
<b>EVOLINE 20</b>	<b>66073-MOB</b>	1	91
<b>EVOLINE 25</b>	<b>66074-MOB</b>	1	99
<b>EVOLINE 25M</b>	<b>66074M-MOB</b>	1	99
<b>EVOLINE 35</b>	<b>66075-MOB</b>	1	120

TECHNICAL FEATURES										
MODELS		EVOLINE 6	EVOLINE 10	EVOLINE 13	EVOLINE 15	EVOLINE 17	EVOLINE 20	EVOLINE 25M	EVOLINE 25	EVOLINE 35
CODES		66069-MOB	66070-MOB	66071-MOB	66072-MOB	67405-MOB	66073-MOB	66074M-MOB	66074-MOB	66075-MOB
<b>INPUT</b>	kW	1	1.6	1.8	2.1	2.5	3.5	3.7	4.2	6
<b>NOM. ABSORBED INTENSITY</b>	A	4.5	7.3	8.2	9.5	11.4	15.9	16.8	7.1	10.1
<b>VOLTAGE</b>	V/Ph/Hz	220-240V / 1 Ph / 50 Hz						380V / 3 Ph / 50 Hz		
<b>CONTROL</b>		LED/LCD								
<b>NUMBER OF FANS</b>		1								2
<b>SOUND LEVEL</b>	dB(A)	≤50	≤53	≤54	≤54	≤56	≤56	≤56	≤56	≤57
<b>WATER CONNECTION</b>	Inch	1.5								
<b>MIN. WATER FLOW RATE</b>	m <sup>3</sup> /h	1.3	2.2	2.7	3.6	3.6	4.9	6	6	13
<b>MAX. POOL VOLUME</b>	m <sup>3</sup>	12	19	24	30	35	45	66	56	80
<b>MIN. POOL VOLUME</b>	m <sup>3</sup>	5	15	17	19	20	27	35	35	52
<b>AIR T.: 24° C</b>	<b>POWER</b>	kW	4.8	8.2	9.4	11.6	12.9	17.2	23.5	22.5
<b>WATER T.: 26 °C</b>	<b>COP</b>		5	5.1	5.3	5.4	5.1	5.1	6.2	5.4
<b>AIR T.: 15° C</b>	<b>POWER</b>	kW	3.6	6.2	7.1	8.7	9.7	12.9	17.9	16.9
<b>WATER T.: 26 °C</b>	<b>COP</b>		3.8	3.8	4	4.1	3.8	3.8	4.8	4.1
<b>AIR T.: 5° C</b>	<b>POWER</b>	kW	2.5	4.2	4.6	5.6	6.6	9.1	9.7	10.8
<b>WATER T.: 26 °C</b>	<b>COP</b>		2.7	2.7	2.8	2.9	2.7	2.6	3.6	2.9
<b>DIMENSIONS</b>		A (mm)	778	938	1015	1015	1080	1080	1078	1078
		B (mm)	293	360	370	370	416	416	416	416
		C (mm)	511	581	621	621	708	708	958	958
<b>NET WEIGHT</b>	kg	33	48	55	60	68	91	99	99	120
<b>GROSS WEIGHT</b>	kg	38	56	62	67	80	104	114	114	136

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[www.astralpool.com](http://www.astralpool.com)

Includes Modbus connection

## AIR-WATER HEAT PUMPS FOR INDOOR INSTALLATION

### Maya

- Compact design for installation in a pump room.
- Made of non-corrosive magnesium coated aluminium.
- Direct transmission centrifugal ventilator.
- Scroll compressor.
- Titanium condensers with PVC shells and in G2 titanium coil according to ASTM B 338.99 standard. Guaranteed against corrosion.
- R-407C refrigerant gas (eco-friendly).

#### TECHNICAL FEATURES

MODELS		MAYA-15	MAYA-25
MAGNESIUM ALUMINIUM		32505-MOB	32506-MOB
VOLTAGE	V/Ph/Hz	400/3/50	
WATER CONDENSER		TITANIUM	
COMPRESSOR		SCROLL	
REFRIGERANT		R-407C	
REFRIGERANT GAS	kg	2.5	4.5
FLOW FANS	m <sup>3</sup> /h	2500	6000
WATER FLOW	m <sup>3</sup> /h	7	8
Ø CONNECTION	mm	50	
T° AIR 15°C	P. INPUT	3.59	5.73
	P. OUTPUT	16.28	24.83
	COP	4.53	4.33

Water temperature 26°C.

Operating limits and conditions: Minimum outdoor air temperature: 5 ° C. Maximum water temperature: 36°C. Maximum water pressure on entering the machine: 3.5 bar.

## AIR/WATER HEAT PUMPS WITH AXIAL VENTILATOR, FOR OUTDOOR INSTALLATION

### Optima

- Robust, lightweight ABS casing made from magnesium coated aluminium.
- Standard: Operating as a heat pump with reverse cycle defrosting.
- CHILLER: Providing heat or cold to maintain the temperature of the pool with reverse cycle defrosting
- Scroll compressor.
- Titanium condensers made of PVC casing and TITANIUM G2 coil. Guaranteed against corrosion. It includes drainage for care in the winter.
- R-407C refrigerant gas (eco-friendly).



Includes Modbus connection

#### TECHNICAL SPECIFICATIONS

MODELS		OPTIMA-7	OPTIMA-15
CHILLER		45694-MOB	45696-MOB
VOLTAGE	V/Ph/Hz	230/2/50	220/2/50
WATER FLOW	STANDARD	m <sup>3</sup> /h	12
	CHILLER	m <sup>3</sup> /h	12
T° AIR 15°C	OUTPUT POWER	kW	8.92
	INPUT POWER	kW	1.81
	COP		4.93
CHILLER MODE			
T° AIR 30°C	OUTPUT POWER	kW	9.19
	INPUT POWER	kW	1.95
	EER		4.71
T° AIR 35°C	OUTPUT POWER	kW	8.56
	INPUT POWER	kW	2.21
	EER		3.87

Water temperature: 26 °C.

Operating limits and conditions: Minimum outdoor air temperature: 5 ° C. Maximum water temperature: 40 °C. Maximum water pressure on entering the machine: 3.5 bar.

## AIR/WATER HEAT PUMPS WITH AXIAL VENTILATOR, FOR OUTDOOR INSTALLATION



Fluidra Connect compatible



AstralPool Toolbox app for iOS and Android

### Web

Heat pump configurator:  
[www.astralpool.com](http://www.astralpool.com) ->  
 Calculation tools

### ProHeat II

- Robust, lightweight casing made from corrosion-resistant magnesium coated aluminium.
- High performance evaporator battery in an inner corrugated copper tube with lacquered aluminium fins, especially for corrosive environments.
- Axial ventilator.
- Scroll compressor.
- Water condensers in G2 titanium. Guaranteed against corrosion.
- R-410A refrigerant gas.
- Expansion via thermostatic valve, with external balancing unit.
- High and low pressure switches.
- Flowmeter for controlling the water flow rate.
- Reverse cycle defrosting with 4-way valve.
- Control of purifying system.
- Electrical protection for handling and strength.
- Easy-to-use control panel with current temperature display and set point, and alarm notifications. Communication protocols are available.
- Chiller model for possibility of cooling water in periods of high air temperature.
- Indoor model for installing the equipment in a plant room with air conductors.

### TECHNICAL SPECIFICATIONS

	MODELS	PROHEAT II 35	PROHEAT II 45	PROHEAT II 60	PROHEAT II 90	PROHEAT II 120
Code	STANDARD	65542-MOB	65543-MOB	65544-MOB	65545-MOB	65546-MOB
	CHILLER	68245-MOB	68246-MOB	68247-MOB	68248-MOB	68249-MOB
	INDOOR	69649-MOB	69650-MOB	69651-MOB	69652-MOB	69653-MOB
VOLTAGE	V/Ph/Hz			400/50/3+N		
WATER CONDENSER				TITANIUM		
COMPRESSOR				SCROLL		
REFRIGERANT				R410-A		
REFRIGERANT GAS CHARGE	kg	4	6	9	2 x 6.5	2 x 9
WATER FLOW RATE	m <sup>3</sup> /h	12-15	15-25	25-35	30-50	50-70
Ø WATER CONNECTION	mm	63	63	75	75	75
SOUND LEVEL	dbA (d*)	66.20	66.20	72.53	71.14	71.14
	dbA (5 m)	60.85	60.85	68.42	69.39	69.39
25°C T <sup>a</sup> AIR 26°C T <sup>a</sup> WATER	INPUT POWER	kW	6.40	8.20	11.90	17.00
	OUTPUT POWER	kW	36.20	44.40	63.50	91.30
	COP		5.66	5.41	5.34	5.37
15°C T <sup>a</sup> AIR 26°C T <sup>a</sup> WATER	INPUT POWER	kW	6.20	8.10	11.50	16.80
	OUTPUT POWER	kW	30.53	39.70	56.80	80.20
	COP		4.92	4.90	4.94	4.77
5°C T <sup>a</sup> AIR 26°C T <sup>a</sup> WATER	INPUT POWER	kW	6.00	7.90	10.70	16.20
	OUTPUT POWER	kW	23.20	30.00	41.30	61.00
	COP		3.87	3.80	3.86	3.77
<b>CHILLER MODE</b>						
30°C AIR TEM- PERATURE 26°C WATER TEMPERATURE	INPUT POWER	kW	7.00	8.40	12.00	17.30
	OUTPUT POWER	kW	42.25	51.00	72.00	104.00
	EER		6.04	6.07	6.00	6.01
43°C AIR TEM- PERATURE 32°C WATER TEMPERATURE	INPUT POWER	kW	9.44	11.86	15.60	24.50
	OUTPUT POWER	kW	29.10	37.00	49.50	74.00
	EER		3.08	3.12	3.17	3.02
<b>STANDARD AND CHILLER MODELS</b>						
	SIZE					
	A (mm)		1000	1000	1700	2100
	B (mm)		950	950	1200	1200
	C (mm)		1140	1140	1200	1500
<b>NET WEIGHT</b>		kg	185	210	287	447
						500

NOTE: d\* = As per UNE-EN 12102/ISO 3744:2010.

**+ info**

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Product Database

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## WATER-AIR COOLERS FOR INDOOR OR OUTDOOR INSTALLATION



ALASKA



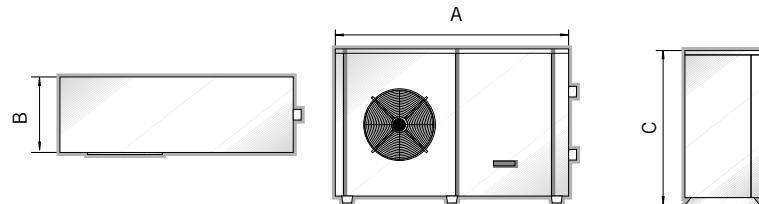
SIBERIA

**Includes Modbus connection**

The fan is fitted vertically in the  
Alaska 10, 15 and 17 models

### Alaska - Siberia

- Compact design for installation outdoors (Alaska model) or indoors (Siberia model).
- Made of non-corrosive magnesium coated aluminium.
- Titanium evaporator with PVC shell and in G2 titanium coil according to ASTM B 338.99 standard. Guaranteed against corrosion.
- Condenser made of copper pipe with coated aluminium fins (special for corrosive environments).
- Scroll compressor with carter resistance and deoxidised copper.
- Helicoidal ventilators with direct coupling motor for the Alaska model, centrifugal for the Siberia model.
- Refrigerant expansion via thermostatic expansion valve.
- Anti-acid dehydrating filter.
- Hydraulic connections in PVC.
- Low and high pressure (LP/HP) mini-pressure switches with automatic reset.
- Defrosting thermostat in evaporator.
- Earth connection.
- Filled with gas Freon R407C with low ecological impact.
- Full adjustment of all the items included.



### TECHNICAL FEATURES

	MODELS	ALASKA-4	ALASKA-6	ALASKA-8	ALASKA-10	ALASKA-15	ALASKA-17
	Code	32535-MOB	32536-MOB	32537-MOB	32538-MOB	32540-MOB	32541-MOB
	MODELS	SIBERIA-4	SIBERIA-6	SIBERIA-8	SIBERIA-10	SIBERIA-15	SIBERIA-17
	Code	33301-MOB	33302-MOB	33303-MOB	33304-MOB	33306-MOB	33307-MOB
FREQUENCY	V/Ph/Hz	230/2/50	230/2/50	400/3/50	400/3/50	400/3/50	400/3/50
WATER CONDENSER				TITANIUM			
COMPRESSOR				SCROLL			
REFRIGERANT GAS CHARGE - R407C	kg	2	4.3	4.8	5.5	6.3	6.6
WATER FLOW	m <sup>3</sup> /h	6-10	6-10	7-12	7-12	10-15	10-15
Ø CONNECTION	mm			50			
FANS	m <sup>3</sup> /h	1 / 3800	1 / 4900	1 / 5500	1 / 9800	2 / 11000	2 / 11000
ALASKA AIR T.: 27°C WATER T.: 12°C	INPUT POWER	KW	1.34	2.01	2.84	3.55	4.95
	OUTPUT POWER	KW	4.43	5.72	8.88	10.73	16.60
	EER		3.32	2.85	3.13	3.02	3.35
SIBERIA AIR T.: 27°C WATER T.: 12°C	INPUT POWER	KW	1.83	2.33	3.15	4.45	7.66
	OUTPUT POWER	KW	4.43	5.72	8.88	10.73	16.60
	EER		2.42	2.46	2.82	2.41	2.17
RECOMMENDED POOL VOLUME		5-9	7-14	10-20	13-26	18-36	25-50

Maximum air temperature 40°C, minimum water temperature 10°C. Maximum water pressure 3.5 bar.

### TECHNICAL FEATURES

	MODELS	ALASKA-4	ALASKA-6	ALASKA-8	ALASKA-10	ALASKA-12	ALASKA-15	ALASKA-17
	Code	32535	32536	32537	32538	32539	32540	32541
SIZE	A	mm	1311 (+80)	1311 (+80)	1411 (+80)	1372 (+80)	1372 (+80)	1728 (+80)
	B	mm	512	540	556	650	650	708
	C	mm	746	746	846	890	890	866
	WEIGHT	kg	80	92	102	133	154	197
	MODELS	SIBERIA-4	SIBERIA-6	SIBERIA-8	SIBERIA-10	SIBERIA-12	SIBERIA-15	SIBERIA-17
	Code	33301	33302	33303	33304	33305	33306	33307
SIZE	A	mm	1311 (+80)	1311 (+80)	1311 (+80)	1372 (+80)	1728 (+80)	1728 (+80)
	B	mm	550+50	700+50	700+50	655+50	655+50	655+50
	C	mm	746	746	846	890	890	866
	WEIGHT	kg	97	112	120	188	210	224

## ELECTRICAL HEAT EXCHANGERS



ELECTRIC VERSION



MANUAL VERSION (ECO)



MANUAL VERSION (ECO)

Fluidra Connect  
compatible

Titanium models only

## Compact ElectricHeat: New versions in Titanium and compatible Fluidra Connect

## EXTERNALLY:

- New linear configuration that offers ease of installation.
- New, more compact and simpler "all in" design. Simple and elegant lines.
- New more user-friendly interface. Now has new state-of-the-art touch sensor and OLED display (not available for the ECO version).
- More information for the user in a more intuitive fashion.
- New electrical connection system, simpler and faster.

## INTERNAL:

- Simplicity of components: the internal components have been simplified and reduced.
- Replaceable parts: now the internal components are easy to access and replace.
- New more accurate and more secure electronic adjustment (manual adjustment in the Eco version)
- New hardware and software able to detect failures in a pool facility and its units (not available for the ECO version).
- Standard model with Incoloy resistance, Titanium model with resistances in titanium.
- Model specifically for Fluidra Connect (not available for the ECO version).

	Code	Pack. Standard	Weight kg Standard	Volume in m <sup>3</sup> Standard
COMPACT 3 iINCOLOY	60170	1	-	-
COMPACT 6 iINCOLOY	60171	1	-	-
COMPACT 9 iINCOLOY	60172	1	-	-
COMPACT 12 iINCOLOY	60173	1	-	-
COMPACT 18 iINCOLOY	60174	1	-	-
COMPACT 3 Titanium	65321	1	-	-
COMPACT 6 Titanium	65322	1	-	-
COMPACT 9 Titanium	65323	1	-	-
COMPACT 12 Titanium	65324	1	-	-
COMPACT 18 Titanium	65325	1	-	-
COMPACT ECO 3	69193	1	-	-
COMPACT ECO 6	69194	1	-	-
COMPACT ECO 9	69195	1	-	-
COMPACT ECO 12	69196	1	-	-
COMPACT ECO 18	69197	1	-	-

New

NB: INCOLOY models do NOT provide protection for salt electrolysis facilities, so this type of facility should use the TITANIUM model to prevent operational problems that would not be covered under warranty.

## TECHNICAL FEATURES

ELECTRIC MODELS		COMPACT 3	COMPACT 6	COMPACT 9	COMPACT-12	COMPACT-18
CODES	60170	60171	60172	60173	60174	60174
	65321	65322	65323	65324	65325	65325
MECHANICAL MODELS		ECO 3	ECO 6	ECO 9	ECO 12	ECO 18
CODES		69193	69194	69195	69196	69197
POWER	W	3000	6000	9000	12000	18000
ELECTRICAL SUPPLY	V/Ph/Hz	230/2/50-60 or 400/4/50-60	230/2/50-60 or 400/4/50-60	230/2/50-60 or 400/4/50-60	230/2/50-60 or 400/4/50-60	400/4/50-60
MIN. WATER FLOW RATE	m <sup>3</sup> /h	2,4				
MAX. WATER FLOW RATE	m <sup>3</sup> /h	15				
SERVICE PRESSURE	bar	2				
MAX. PRESSURE	bar	3				
O WATER CONNECTION	mm	50/63				
MAX. ABSORBED INTENSITY (AMP)	220/2/50	14	27	41	-	-
	380/4/50	5	9	14	18	27
GROSS WEIGHT	kg	4,80				
NET WEIGHT	kg	4,20				

In the case of 230/4/50-60, check special code.

**+ info****PDB**  
Product DatabaseConsulte + info en **PRODUCTOS.**  
[www.astralpool.com](http://www.astralpool.com)**WATER-WATER EXCHANGER****New****Waterheat EVO**

Heat exchanger suitable for warming the water temperature of pools and SPAS, thanks to the heat exchange between the primary circuit (warm area) and a secondary one (cold area that we want to warm).

- Titanium housing (secondary, pool water).
- Titanium alloy coil (primary, water for boiler).
- Primary working pressure of 10 bar.
- Secondary working pressure of 3 bar.

	Code	Pack. Standard	Weight kg Standard	Volume in m <sup>3</sup> Standard
TIT-20 kW	71607	1	1.2	-
TIT-40 kW	71608	1	1.7	-
TIT-60 kW	71609	1	1.9	-
TIT-105 kW	71610	1	2.2	-
TIT-140 kW	71611	1	2.7	-
TIT-210 kW	71612	1	3.8	-
TIT-300 kW	71613	1	5.3	-
TIT-450 kW	71614	1	6.8	-

Diagram of assembly above the water level:

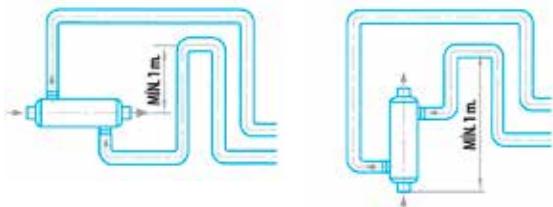
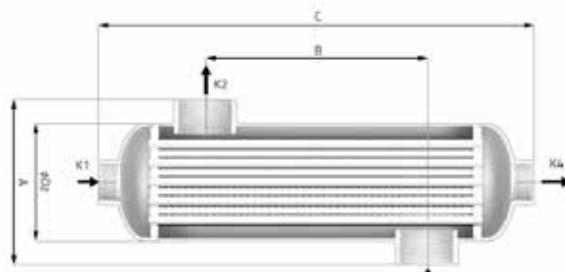


Diagram of assembly above the water level:

**TECHNICAL FEATURES**

	MODELS	TIT-20 KW	TIT-40 KW	TIT-60 KW	TIT-105 KW	TIT-140 KW	TIT-210 KW	TIT-300 KW	TIT-450 KW
	CODES	71607	71608	71609	71610	71611	71612	71613	71614
POWER (kW)	90°C	20	40	60	105	140	210	300	450
	60°C	10	20	30	40	60	80	120	210
	45°C	5	10	15	20	3	40	60	100
HEATER	m <sup>3</sup> /h	1.6	2.7	3.1	6.6	7.0	10.0	11.0	16.0
HEATER HEAD LOSS	bar	0.006	0.024	0.040	0.030	0.040	0.122	0.214	0.470
HEATER CONNECTION	Inch			G ¾"			G 1 ½"		
Pool volume	m <sup>3</sup> /h	11	15	20	23	20	25	20	21
POOL HEAD LOSS	bar	0.119	0.192	0.418	0.293	0.316	0.633	0.596	0.860
POOL CONNECTION	Inch	G 1"				G 1 ½"			
DIMENSIONS	A (mm)	122			140				
	B (mm)	75	175	225	170	270	420	670	920
	C (mm)	290	390	440	357	457	607	857	1107
	Ø Dz	80			102				
WEIGHT	kg	1.2	1.7	1.9	2.2	2.7	3.8	5.3	6.8

Consult your service engineer about the right selection of unit depending on your installation.  
Figures for power settings calculated for pool water at 20° C.

## WATER/WATER PLATE HEAT EXCHANGER



### Equipped Waterheat

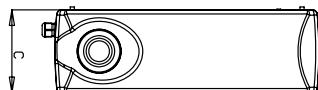
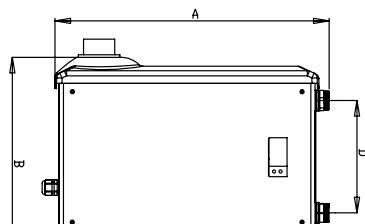
Heat exchanger suitable for warming the water temperature of pools and SPAS, thanks to the heat exchange between the primary circuit (warm area) and a secondary one (cold area that we want to warm).

- Regulator with secondary pump control, voltage free contact and timer.
- Casing built in Alucoil and ABS plastic.
- Body made in Titanium (secondary, water from pool).
- Coils made in titanium alloy (primary, water from boiler).
- Fully fitted, anti-return valve, primary recirculation pump and control thermostat with immersion probe.
- Primary work pressure 10 bars and secondary work pressure 3 bars.

#### CONNECTIONS:

- Primary (heating): 1".
- Secondary (pool): D-50 three piece link.

	Code	Pack. Standard	Weight kg Standard	Volume in m <sup>3</sup> Standard
TIT-20 kW	<b>43506</b>	1	-	-
TIT-40 kW	<b>43507</b>	1	-	-
TIT-60 kW	<b>43508</b>	1	-	-



Code	[kW]		Pool PRIM.		Heating SEC.		Dimensions [mm]			
	90/70°C	60/40°C	m <sup>3</sup> /h	bar	m <sup>3</sup> /h	bar	A	B	C	D
<b>43506</b>	20	10	1.6	0.12	10	0.14	530	395	160	215
<b>43507</b>	40	20	2.7	0.41	15	0.24	530	490	160	225
<b>43508</b>	60	30	3.0	0.70	20	0.29	530	585	160	305

## WATER/WATER PLATE HEAT EXCHANGER

### Etna

- Corrugated plates in AISI-316 or Titanium.
- EPDM gaskets.
- Housing in epoxy painted carbon steel.
- In non-equipped heat exchangers, AISI-316 stainless steel connections in ISO G2 direct thread.
- In "equipped" heat exchangers, primary connections in copper, and secondary in PVC.
- In "equipped" heat exchangers, full regulation, with control of the filtering pump. Double display (setpoint and current reading).
- Simple recirculating pump in the primary circuit is optional.



Basic model



Equipped model



Equipped model + recirculating pump

Model	AISI-316 codes			Titanium codes			Power (kcal/h)	Nº Plates	Primary circuit			Secondary circuit		
	Basic model	Equipped model	Model Eq+B(1)	Basic model	Equipped model	Model Eq+B(1)			Flow rate (m <sup>3</sup> /h)	Head loss (m.w.h.)	Connections	Flow rate (m <sup>3</sup> /h)	Head loss (m.w.h.)	Connections
ETNA-15	67985	68003	68021	67994	68012	68030	15,000	5	0.75	1.59	1 ¼"	0.74	1.93	1 ¼"
ETNA-35	67986	68004	68022	67995	68013	68031	35,000	7	1.77	2.15	1 ¼"	1.73	2.57	1 ¼"
ETNA-50	67987	68005	68023	67996	68014	68032	50,000	9	2.56	2.01	1 ¼"	2.51	2.41	1 ¼"
ETNA-60	67988	68006	68024	67997	68015	68033	60,000	11	3.09	2.14	1 ¼"	3.03	2.57	1 ¼"
ETNA-90	67989	68007	68025	67998	68016	68034	90,000	15	4.64	2.34	1 ¼"	4.55	2.81	1 ¼"
ETNA-120	67990	68008	68026	67999	68017	68035	120,000	19	6.19	2.45	1 ¼"	6.07	2.95	1 ¼"
ETNA-150	67991	68009	68027	68000	68018	68036	150,000	23	7.71	2.24	1 ¼"	7.56	2.7	1 ¼"
ETNA-180	67992	68010	68028	68001	68019	68037	180,000	29	9.23	2.32	1 ¼"	9.06	2.79	1 ¼"
ETNA-200	67993	68011	68029	68002	68020	68038	200,000	31	10.3	2.38	1 ¼"	10.1	2.86	1 ¼"
ETNA-250	32550	32563	32576	33137	33155	33173	250,000	15	12.86	2.2	2 ½"	12.61	2.74	2 ½"
ETNA-300	32552	32565	32578	33139	33157	33175	300,000	17	15.42	2.4	2 ½"	15.13	2.99	2 ½"
ETNA-350	32553	32566	32579	33140	33158	33176	350,000	21	17.98	2.12	2 ½"	17.64	2.64	2 ½"
ETNA-400	33114	33119	33124	33141	33159	33177	400,000	23	20.55	2.27	2 ½"	20.16	2.82	2 ½"
ETNA-460	33115	33120	33125	69796	33160	33178	460,000	25	23.18	2.41	2 ½"	22.73	2.99	2 ½"
ETNA-500	32554	32567	32580	69797	33161	33179	500,000	27	25.1	2.41	2 ½"	24.62	2.99	2 ½"
ETNA-580	33116	33121	33126	69798	33162	33180	580,000	33	29.83	2.26	2 ½"	29.26	2.81	2 ½"

(1) Eq + B: Equipped model + recirculating pump.

**FLUIDRA**

**COMMERCIAL POOLS  
2019**

**ASTRALPOOL** 





FLUIDRA CONNECT



POOL SURROUND EQUIPMENT



POOL SHELL EQUIPMENT



FILTRATION



PUMPS



DOSING AND CONTROL EQUIPMENT



CLEANING EQUIPMENT



SPAS AND SAUNAS



HEATING



COMPETITION MATERIALS







## COMMERCIAL POOLS - FLUIDRA CONNECT

- 404 • Fluidra Connect
- 405 • Freepool<sup>2</sup>
- 406 • Salt electrolysis and pH/Cl control
- 409 • Automatic UV disinfection for private pools
- 410 • Control units
- 411 • LED lighting
- 412 • Air/water heat pumps, for outdoor installation
- 413 • Fluidra Connect accessories

THE FUTURE  
IS HERE

## FLUIDRA CONNECT

Fluidra Connect is a smart solution that enables end users and pool dealers to control a pool remotely. This makes it possible for pool dealers to check out, manage and control all the pools they have installed from a PC.

Fluidra Connect has two control modes:

- Basic, intuitive control for end users front the app.
- Advanced control for pool professionals over the [www.fluidraconnect.com](http://www.fluidraconnect.com) platform (optional).



### Connect Box

Connect Box is the brains behind a Fluidra Connect pool installation. Fluidra Connect does not work without Connect Box, which must have a cable or Wi-Fi Internet connection (from a home router, 3G network, etc.).

	Code	Pack. Standard	Weight kg Standard	Volume in m <sup>3</sup> Standard
--	------	-------------------	-----------------------	--------------------------------------

Connect Box	<b>66671</b>	1	-	-
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### GPIO

It has 4 digital input and output pins.

Using the GPIO, incompatible products, such as a white spotlight or filtration pump, can be switched on or off and their timers set.

It also displays the status of some devices, such as a pool cover.

	Code	Pack. Standard	Weight kg Standard	Volume in m <sup>3</sup> Standard
--	------	-------------------	-----------------------	--------------------------------------

GPIO	<b>62368</b>	1	-	-
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Up to 247 GPIOs can be connected to a single Connect Box

### Diagram of a Fluidra Connect set-up.



More than 100 compatible Fluidra Connect products

We recommend Fluidra Connect control boxes

FREEPOOL<sup>2</sup>Fluidra Connect  
compatibleFreepool<sup>2</sup>

	Code	Pack. Standard	Weight kg Standard	Volume in m <sup>3</sup> Standard
Freepool <sup>2</sup> 180 g Cl/h	70990	1	-	-



60361

## AP PR-200 control unit compatible with Freepool2

Recommended unit:

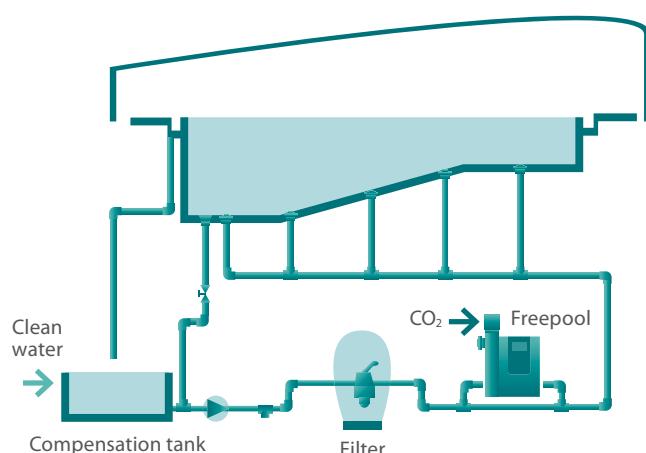
	Code	Pack. Standard	Weight kg Standard	Volume in m <sup>3</sup> Standard
AP PR-207 pH/Cl2 PPM*	60361	1	-	-
AP PR-207 pH/Cl2 PPM + integrated TRI KIT*	60361-KIT TRI	1	-	-
ECC1S Electrolyte / free chlorine sensor gel (seawater)	64658	1	-	-



Universitat Autònoma de Barcelona



The benefits of Freepool have been backed up by two studies conducted by Universitat Autònoma de Barcelona and Hospital Universitari Clínic de Barcelona.

Further information at  
[www.fluidraconnect.com](http://www.fluidraconnect.com)

## SALT ELECTROLYSIS AND PH/CL CONTROL

### Salt Electrolysis for public pools

Salt water chlorinators for commercial pools are becoming popular because they are efficient, practical, safe and well priced.

Our wide range of industrial electrolysis systems covers self-cleaning equipment of up to 600 grams/hour of Chlorine, which makes it possible to use saline electrolysis to treat the water at any public use facility.

#### Main advantages:

- Safety:** There is no need to store, handle or dose any chemical products and therefore it is a much safer system. The raw material stored is common salt.
- Savings:** The introduction of saline electrolysis systems can bring net savings in operating costs of around 50-60%, with respect to traditional systems.

Peristaltic pump not included.

	Easy Salt	Pro-Chlore Salt	Nature Salt
<b>Self-cleaning electrodes</b>	10,000 - 12,000 h	12,000 - 15,000 h	12,000 - 15,000 h
<b>Salinity range</b>	5-12 g/l (recommended 5-6 g/l)	5-12 g/l (recommended 5-6 g/l)	1.5-3 g/l (recommended: 2-2.5 g/l) (*)
<b>Production (g/h)</b>	50 - 180	50 - 600	50 - 300

(\*) Operating range 1.5-5 g/l depending on the temperature (28-35 °C) and nominal output (80-100%)

### Easy Salt

SELF-CLEANING salt electrolysis system for residential and public pool applications of up to 180 g chlorine/hour. Easy Salt is a compact and cost-competitive piece of equipment. To control more than one unit for the same pool you will need an AP PR-200 external control or Smart Control and the TRI multiple control kit (code 70338).



Fluidra Connect  
compatible

Code	Pack. Standard	Weight kg Standard	Volume in m <sup>3</sup> Standard
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Easy Salt 50	<b>66151</b>	1	30	0.29
Easy Salt 70	<b>53799</b>	1	70	0.29
Easy Salt 90	<b>53801</b>	1	80	0.29
Easy Salt 180	<b>53803</b>	1	90	0.29
External control option (AP PR 60359-60361-60362, Smart Control 54523-4-5)				
Easy Salt 50 + pH/ORP (EXT-1)	<b>66153</b>	1	30	0.29
Easy Salt 70 + pH/ORP (EXT-1)	<b>53800</b>	1	70	0.29
Easy Salt 90 + pH/ORP (EXT-1)	<b>53802</b>	1	80	0.29
Easy Salt 180 + pH/ORP (EXT-1)	<b>53804</b>	1	90	0.29

Optional probe holder for EXT-1 (EXT-1+66448 = EXT-1D)	<b>66448</b>	1	-	-
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Optional: Connection kit compatible with Fluidra Connect	<b>60363</b>	1	0.39	0.002
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Valid for Easy Salt and Pro-Chlore Salt and Nature Salt:

	pH	ORP	FREE CHLORINE*
Components supplied	H-035 probe pH calibration solution (7,0/4,0)	RX-02 probe ORP calibration solution (470 mV)	CL0102 probe ID-CAL calibration card
Two PE ½" probe holder connectors (standard in all models); probe holder panel with inductive flow rate detector; flow rate and pre-filter adjustment (standard in ppm models)			
Size		600 x 240 x 120 mm (panel)	
pH control output	230 V / 50-60 Hz / 0,5 A max, ON/OFF		
Scale	0.0 - 9.9	0 - 999 mV	0.0 - 5.0 ppm
Control range	7.0 - 7.8	650 - 850 mV	0.0 - 5.0 ppm
Accuracy	0.1 pH	1 mV	0.1 ppm
Calibration	(pH) Automatic; two modes Fast: one-point calibration Standard: Two-point calibration	Automatic: one-point calibration	FREE CHLORINE: automatic (one-point using external DPD calibrator – not supplied)

\*Not available for Easy Salt



## SALT ELECTROLYSIS AND PH/CL CONTROL



## Pro-Chlore Salt

Our Pro-Chlore Salt range includes EX electrodes that provide the highest level of durability in self-cleaning systems. The Pro-Chlore Salt range with its integrated EXTENSION options (EXT-1, EXT-1E, EXT-2) or external control options (AP PR200, Smart Control) includes a control and regulation system for ORP values (Redox) or ppm, as well as pH, allowing improved management of the equipment and an excellent water quality at all times. The Pro-Chlore range can be manufactured, on request, for seawater (Pro Chlore Salt AM Series). To control more than one unit for the same pool you will need an AP PR-200 external control or Smart Control and the TRI multiple control kit (code 70338).



	Code	Pack. Standard	Weight kg Standard	Volume in m <sup>3</sup> Standard
Pro-Chlore Salt A-50EX	<b>35252</b>	1	55	0.17
Pro-Chlore Salt A-80EX	<b>35253</b>	1	65	0.19
Pro-Chlore Salt A-120EX	<b>35254</b>	1	100	0.36
Pro-Chlore Salt A-180EX	<b>35255</b>	1	120	0.36
Pro-Chlore Salt A-300EX	<b>35256</b>	1	140	0.36
Pro-Chlore Salt A-600EX	<b>35257</b>	1	200	0.74

External control option  
(AP PR 60359-60361-60362, Smart Control 54523-4-5)



Pro-Chlore Salt A-50EX + pH/ORP (EXT-1)	<b>35258</b>	1	55	0.17
Pro-Chlore Salt A-80EX + pH/ORP (EXT-1)	<b>35259</b>	1	65	0.19
Pro-Chlore Salt A-120EX + pH/ORP (EXT-1)	<b>35260</b>	1	100	0.36
Pro-Chlore Salt A-180EX + pH/ORP (EXT-1)	<b>35261</b>	1	120	0.36
Pro-Chlore Salt A-300EX + pH/ORP (EXT-1)	<b>35262</b>	1	140	0.36
Pro-Chlore Salt A-600EX + pH/ORP (EXT-1)	<b>35263</b>	1	200	0.74

Optional probe holder for EXT-1  
(EXT-1+57769=EXT-1E)

**57769** 1 - -



Pro-Chlore Salt A-50EX + pH/PPM (EXT-2)	<b>45836</b>	1	60	0.17
Pro-Chlore Salt A-80EX + pH/PPM (EXT-2)	<b>45837</b>	1	70	0.19
Pro-Chlore Salt A-120EX + pH/PPM (EXT-2)	<b>45838</b>	1	105	0.36
Pro-Chlore Salt A-180EX + pH/PPM (EXT-2)	<b>45839</b>	1	125	0.36
Pro-Chlore Salt A-300EX + pH/PPM (EXT-2)	<b>45840</b>	1	145	0.36
Pro-Chlore Salt A-600EX + pH/PPM (EXT-2)	<b>45841</b>	1	205	0.74

Probe holder included with EXT-2

## AM

Options for seawater (on request). Example: **45836-AM**.



Optional:

Connection kit compatible with Fluidra Connect **60363** 1 0.39 0.002

	A-50	A-80	A-120	A-180	A-300	A-600
<b>Power supply (AC)</b>	230 V / 50 - 60 Hz				380 V / 50 - 60 Hz	
<b>Power rating (AC) 30C 5g/l</b>	1.6 A	2.9 A	4.6 A	2.6 A	4.3 A	8.2 A
<b>Cable:</b>						
<b>Input (AC)</b>	3 x 1.0 mm <sup>2</sup>	3 x 1.0 mm <sup>2</sup>	3 x 2.5 mm <sup>2</sup>	5 x 1.5 mm <sup>2</sup>	5 x 4 mm <sup>2</sup>	5 x 4.0 mm <sup>2</sup>
<b>Output (DC)</b>	2 x 10 mm <sup>2</sup>	2 x 25 mm <sup>2</sup>	2 x 35 mm <sup>2</sup>	2 x 70 mm <sup>2</sup>	2 x 120 mm <sup>2</sup>	3 x 240 mm <sup>2</sup>
<b>Pipe connection</b>	Female thread 1½"	Flanges D63 mm				Flanges D90 mm
<b>Fuse</b>	5 AT (6 x 32 mm)	7 AT (6 x 32 mm)	10 AT (6 x 32 mm)	QM K10A	QM K20A	QM K25A
<b>Outlet</b>	9 V / 25 A	10 V / 40 A	10 V / 60A	10 V / 90 A	10 V / 150 A	10 V / 300 A
<b>Cooling</b>	Natural	Fan				
<b>Minimum flow rate</b>	9 m <sup>3</sup> /h	14 m <sup>3</sup> /h	20 m <sup>3</sup> /h	30 m <sup>3</sup> /h	50 m <sup>3</sup> /h	90 m <sup>3</sup> /h
<b>Electrodes</b>	8	12	8	12	16	2 x 15

## SALT ELECTROLYSIS AND PH/CL CONTROL



### Nature Salt

Nature Salt equipment has a sustainable cycle through the removal of chloramines, 2 g salt/litre operation and chemical-free treatment. SELF-CLEANING industrial salt electrolysis system for public pool applications of up to 300 g chlorine/hour. High-pressure TWINCELL SYSTEM fitted with quality Nature Salt electrodes. To control more than one unit for the same pool you will need an AP PR-200 external control or Smart Control and the TRI multiple control kit (code 70338).

	Code	Pack. Standard	Weight kg Standard	Volume in m <sup>3</sup> Standard
Nature Salt 50EX/LS	<b>53810</b>	1	80	0.17
Nature Salt 80EX/LS	<b>53811</b>	1	90	0.19
Nature Salt 120EX/LS	<b>53812</b>	1	130	0.36
Nature Salt 180EX/LS	<b>53813</b>	1	145	0.36
Nature Salt 300EX/LS	<b>53814</b>	1	170	0.36

#### External control option

(AP PR 60359-60361-60362, Smart Control 54523-4-5)

Nature Salt 50EX/LS + pH/ORP (EXT-1)	<b>53815</b>	1	80	0.17
Nature Salt 80EX/LS + pH/ORP (EXT-1)	<b>53816</b>	1	90	0.19
Nature Salt 120EX/LS + pH/ORP (EXT-1)	<b>53817</b>	1	130	0.36
Nature Salt 180EX/LS + pH/ORP (EXT-1)	<b>53818</b>	1	145	0.36
Nature Salt 300EX/LS + pH/ORP (EXT-1)	<b>53819</b>	1	170	0.36

Optional probe holder for EXT-1  
(EXT-1+57769=EXT-1E)

Optional probe holder for EXT-1 (EXT-1+57769=EXT-1E)	<b>57769</b>	1	-	-
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Nature Salt 50EX/LS + pH/PPM (EXT-2)	<b>53820</b>	1	85	0.36
Nature Salt 80EX/LS + pH/PPM (EXT-2)	<b>53821</b>	1	95	0.36
Nature Salt 120EX/LS + pH/PPM (EXT-2)	<b>53822</b>	1	135	0.36
Nature Salt 180EX/LS + pH/PPM (EXT-2)	<b>53823</b>	1	150	0.74
Nature Salt 300EX/LS + pH/PPM (EXT-2)	<b>53824</b>	1	175	0.74

Probe holder included with EXT-2



#### Optional:

Connection kit compatible with Fluidra Connect

<b>60363</b>	1	0.39	0.002
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### Self-cleaning electrodes



#### Pro-Chlore Salt Series

	Code	Pack. Standard	Weight kg Standard	Volume in m <sup>3</sup> Standard
A-50EX/EXT-1/EXT-2	<b>60634</b>	1	-	-
A-80EX/EXT-1/EXT-2	<b>60636</b>	1	-	-
A-120EX/EXT-1/EXT-2	<b>60676</b>	1	-	-
A-180EX/EXT-1/EXT-2	<b>60677</b>	1	-	-
A-300EX/EXT-1/EXT-2	<b>60678</b>	1	-	-
A-600EX/EXT-1/EXT-2	<b>60679</b>	1	-	-

#### Nature Salt Series



A-50EX/LS/EXT-1/EXT-2	<b>60680</b>	1	-	-
A-80EX/LS/EXT-1/EXT-2	<b>60681</b>	1	-	-
A-120EX/LS/EXT-1/EXT-2	<b>60682</b>	1	-	-
A-180EX/LS/EXT-1/EXT-2	<b>60683</b>	1	-	-
A-300EX/LS/EXT-1/EXT-2	<b>60684</b>	1	-	-



#### Easy Salt Series

EASY SALT 70/EXT-1	<b>60685</b>	1	-	-
EASY SALT 90/EXT-1	<b>60686</b>	1	-	-
EASY SALT 180/EXT-1	<b>60687</b>	1	-	-

See technical features, lights and Neolysis electrodes for public pools on page 521



## AUTOMATIC UV DISINFECTION FOR PRIVATE POOLS

**Neolysis**, the most advanced water treatment by AstralPool: + Sustainability + Innovation + Disinfection + Healthy.

### Advantages:

- Unbeatable water quality.
- Dual disinfection based on UV and electrolysis.

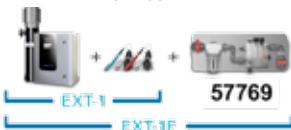
### Characteristics:

- Two options: low salinity of 2–3 g/l (Neo LS) and standard salinity of 6 g/l (Neo S).
- The ultimate in chloramine reduction capacity (UV LP + Electrolysis).
- Self-cleaning electrodes that last 12,000–15,000 hours (NeoLS and Neo S).
- LP HO UV lamp (13,000 hours)
- Patented process.
- To control more than one unit for the same pool you will need an AP PR-200 external control or Smart Control and the TRI multiple control kit (code 70338).

### Neolysis S (5-6 g/L) + UV for public pools



**EXT-1 + 57769 = EXT-1E**



**Probe holder included in EXT-2**



Fluidra Connect compatible

	Code	Pack. Standard	Weight kg Standard	Volume in m <sup>3</sup> Standard
AP NEO/S 50 Gr/h + UV 75 W	<b>66142</b>	1	-	-
AP NEO/S 80 Gr/h + UV 90 W	<b>66143</b>	1	-	-
AP NEO/S 120 Gr/h + UV 2 x 90 W	<b>66144</b>	1	-	-
AP NEO/S 180 Gr/h + UV 3 x 90 W	<b>68120</b>	1	-	-
AP NEO/S 300 Gr/h + UV 4 x 90 W	<b>68123</b>	1	-	-
External control option (AP PR 60359-60361-60362, Smart Control 54523-4-5)				
AP NEO/S 50 Gr/h + UV 75 W + pH/ORP (EXT-1)	<b>66145</b>	1	-	-
AP NEO/S 80 Gr/h + UV 90 W + pH/ORP (EXT-1)	<b>66146</b>	1	-	-
AP NEO/S 120 Gr/h + UV 2 x 90 W + pH/ORP (EXT-1)	<b>66147</b>	1	-	-
AP NEO/S 180 Gr/h + UV 3 x 90 W + pH/ORP (EXT-1)	<b>68121</b>	1	-	-
AP NEO/S 300 Gr/h + UV 4 x 90 W + pH/ORP (EXT-1)	<b>68124</b>	1	-	-
Optional probe holder for EXT-1	<b>57769</b>	1	-	-
AP NEO/S 50 Gr/h + UV 75 W + pH/PPM (EXT-2)	<b>66148</b>	1	-	-
AP NEO/S 80 Gr/h + UV 90 W + pH/PPM (EXT-2)	<b>66149</b>	1	-	-
AP NEO/S 120 Gr/h + UV 2 x 90 W + pH/PPM (EXT-2)	<b>66150</b>	1	-	-
AP NEO/S 180 Gr/h + UV 3 x 90 W + pH/PPM (EXT-2)	<b>68122</b>	1	-	-
AP NEO/S 300 Gr/h + UV 4 x 90 W + pH/PPM (EXT-2)	<b>68125</b>	1	-	-
Optional: Connection kit compatible with Fluidra Connect (without lamp control)	<b>60363</b>	1	0.39	0.002

### Neolysis LS (1.5-2 g/L) + UV for public pools



**EXT-1 + 57769 = EXT-1E**



**Probe holder included in EXT-2**



Fluidra Connect compatible

	Code	Pack. Standard	Weight kg Standard	Volume in m <sup>3</sup> Standard
AP NEO 50 Gr/h + UV 75 W	<b>57753</b>	1	-	-
AP NEO 80 Gr/h + UV 90 W	<b>57761</b>	1	-	-
AP NEO 120 Gr/h + UV 2 x 90 W	<b>57762</b>	1	-	-
AP NEO 180 Gr/h + UV 3 x 90 W	<b>68117</b>	1	-	-
External control option (AP PR 60359-60361-60362, Smart Control 54523-4-5)				
AP NEO 50 Gr/h + UV 75 W + pH/ORP (EXT-1)	<b>57763</b>	1	-	-
AP NEO 80 Gr/h + UV 90 W + pH/ORP (EXT-1)	<b>57764</b>	1	-	-
AP NEO 120 Gr/h + UV 2 x 90 W + pH/ORP (EXT-1)	<b>57765</b>	1	-	-
AP NEO 180 Gr/h + UV 3 x 90 W + pH/ORP (EXT-1)	<b>68118</b>	1	-	-
Optional probe holder for EXT-1	<b>57769</b>	1	-	-
AP NEO 50 Gr/h + UV 75 W + pH/PPM (EXT-2)	<b>57766</b>	1	-	-
AP NEO 80 Gr/h + UV 90 W + pH/PPM (EXT-2)	<b>57767</b>	1	-	-
AP NEO 120 Gr/h + UV 2 x 90 W + pH/PPM (EXT-2)	<b>57768</b>	1	-	-
AP NEO 180 Gr/h + UV 3 x 90 W + pH/PPM (EXT-2)	<b>68119</b>	1	-	-
Optional: Connection kit compatible with Fluidra Connect (without lamp control)	<b>60363</b>	1	0.39	0.002



## CONTROL UNITS



### Controller

The panels in the CONTROLLER range are fully equipped and assembled systems, which are ideal for a number of water treatment applications. Their simple, compact design makes them extremely easy to install and start up. They come with all of the components and accessories required for rapid assembly. All assemblies are made of PVC sheets, in various sizes depending on the model.

#### General technical features

- Range of available sizes depending of the probe selected.
- Range available for free chlorine: 0-2, 0-5, 0-10, 0-20 and 0-200 ppm.
- pH range: 0-14. ORP range: +/-1,500 mV. Temperature range: 0-50 °C).
- Measurement of stable chlorine with low pH dependence.
- Self-calibration of all sizes.
- Alarm signal if water flow is insufficient.
- Instrument with IP65 protection rating.
- 250 V-10 A relays for connecting dosing pumps or salt chlorinators.
- 4-20 mA analogue outlets with repeat signal or manifold for proportional pumps.
- Power supply: 230 V / 50 Hz.
- Setpoints and programmable alarms.
- Pump pause function during calibration and for stopping flow.
- Temperature readings and readjustment (automatic with option PT100 probe).
- Three types of setpoint settings. On/Off, Proportional in Time and Proportional by Pulses.
- RS485 communications port.



Fluidra Connect  
compatible

#### Components included in the assembly:

- Methacrylate probe holder, with flow regulator, sample taking valve and flow sensor.
- Filter holder and 80 micron filter cartridge for water inlet.
- DPD calibration standard solutions.
- Assembly accessories, and instruction and installation manual.
- Sensors depending on version.

	Code	Pack. Standard	Weight kg Standard	Volume in m <sup>3</sup> Standard
Controller pH / Redox	<b>66178</b>	1	-	-
Controller pH / Free Chlorine	<b>66177</b>	1	-	-
Controller pH / ORP / Free Chlorine	<b>66176</b>	1	-	-
Controller Free Chlorine	<b>66175</b>	1	-	-
pH/Amperometric-free chlorine sensor	<b>66168</b>	1	-	-
pH/ORP/Amperometric free chlorine sensor	<b>66169</b>	1	-	-
Controller pH / ORP / Free Chlorine / Total amperometric chlorine	<b>66170</b>	1	-	-



60359

### AP PR-200 - Compatible Electrolysis

The expert's choice for dosing control. The built-in panels based on Series AP PR controllers provide the best solution for the plug & play devices pre-assembled on the panel. There are several versions for the control of the water's pH, ORP and FREE CHLORINE levels.

AP PR-200 equipment is compatible with the Easy Salt, ProChlore Salt and Neolysis ranges

This is also the recommended solution for experts whenever several chlorination systems must be controlled at the same time from a single control and regulation panel (multiple control through the TIP kit).



60361



60362

	Code	Pack. Standard	Weight kg Standard	Volume in m <sup>3</sup> Standard
AP PR-206 pH/ORP	<b>60359</b>	1	-	-
AP PR-207 pH/Cl <sub>2</sub> PPM*	<b>60361</b>	1	-	-
AP PR-204 Cl <sub>2</sub> PPM*	<b>60362</b>	1	-	-
AP PR-204 pH/ORP + integrated TRI KIT*	<b>60359-KIT TRI</b>	1	-	-
AP PR-207 pH/Cl <sub>2</sub> PPM + integrated TRI KIT*	<b>60361-KIT TRI</b>	1	-	-
AP PR-204 Cl <sub>2</sub> PPM + integrated TRI KIT*	<b>60362-KIT TRI</b>	1	-	-
ECC1S Electrolyte / free chlorine sensor gel (seawater)	<b>64658</b>	1	-	-
Optional: TRI kit, 3-unit simultaneous control	<b>70338</b>	1	-	-



Fluidra Connect  
compatible



\* Models with Cl<sub>2</sub> ppm: seawater can be used by substituting the gel electrolyte supplied with the standard unit for the gel electrolyte specifically for seawater (code 64658), which must be ordered separately.



## LED LIGHTING



### LumiPlus LED

Small in size, it has been designed to prevent siphoning, require little maintenance and be easy to install. The LumiPlus LED system provides ambient lighting whenever desired in any colour for pools and aquatic facilities. It comprises the LED spotlight, a LumiPlus modulator, a compatible Fluidra Connect module and a transformer, which are supplied separately.

The LEDs have a service life of 100,000 hours as opposed to 1,000 hours for conventional lamps and each LED spotlight saves upwards of 90% in power consumption.

The spotlights are fitted with red, green and blue LEDs of unbeatable brightness. The combination of these basic colours is able to emit and infinity of different colour high in luminosity and brightness.



	Code	Pack. Standard	Weight kg Standard	Volume in m <sup>3</sup> Standard
Compatible Fluidra Connect module	<b>57434</b>	1	-	-
LumiPlus RGB + modulator				
Compatible Fluidra Connect module	<b>57435</b>	1	-	-

### LED lighting ranges compatible with the modulator



V2 and V V1 LumiPlus  
FlexiNiche RGB projector



V2 and V V1 LumiPlus  
FlexiSlim RGB projector



V2 and V V1 LumiPlus  
FlexiRapid RGB projector



LumiPlus Design RGB



LumiPlus Mini V2 RGB



LumiPlus Mini V3 RGB



LumiPlus Micro RGB



Further information at  
[www.fluidraconnect.com](http://www.fluidraconnect.com)

**AIR/WATER HEAT PUMPS, FOR OUTDOOR INSTALLATION**


Fluidra Connect compatible


 AstralPool  
Toolbox app for  
iOS and Android

**Web**

 Heat pump configurator:  
[www.astralpool.com](http://www.astralpool.com) ->  
 Calculation tools

**ProHeat II**

- Robust, lightweight casing made from corrosion-resistant magnesium coated aluminium.
- High performance evaporator battery in an inner corrugated copper tube with lacquered aluminium fins, especially for corrosive environments.
- Axial ventilator.
- Scroll compressor.
- Water condensers in G2 titanium. Guaranteed against corrosion.
- R-410A refrigerant gas.
- Expansion via thermostatic valve, with external balancing unit.
- High and low pressure switches.
- Flowmeter for controlling the water flow rate.
- Reverse cycle defrosting with 4-way valve.
- Control of purifying system.
- Electrical protection for handling and strength.
- Easy-to-use control panel with current temperature display and set point, and alarm notifications. Communication protocols are available.
- Chiller model for possibility of cooling water in periods of high air temperature.
- Indoor model for installing the equipment in a plant room with air conductors.

**TECHNICAL SPECIFICATIONS**

	MODELS	PROHEAT II 35	PROHEAT II 45	PROHEAT II 60	PROHEAT II 90	PROHEAT II 120
<b>CODE</b>	Standard	65542-MOB	65543-MOB	65544-MOB	65545-MOB	65546-MOB
	Chiller	68245-MOB	68246-MOB	68247-MOB	68248-MOB	68249-MOB
	Indoor	69649-MOB	69650-MOB	69651-MOB	69652-MOB	69653-MOB
<b>VOLTAGE</b>	V/Ph/Hz			400/50/3+N		
<b>WATER CONDENSER</b>				TITANIUM		
<b>COMPRESSOR</b>				SCROLL		
<b>REFRIGERANT</b>				R410-A		
<b>REFRIGERANT GAS CHARGE</b>	kg	4	6	9	2 x 6.5	2 x 9
<b>WATER FLOW RATE</b>	m <sup>3</sup> /h	12-15	15-25	25-35	30-50	50-70
<b>Ø WATER CONNECTION</b>	mm	63	63	75	75	75
<b>SOUND LEVEL</b>	dB(A) (d*)	66.20	66.20	72.53	71.14	71.14
	dB(A) (5 m)	60.85	60.85	68.42	69.39	69.39
<b>25°C T<sup>a</sup> AIR 26°C T<sup>a</sup> WATER</b>	<b>INPUT POWER</b>	kW	6.40	8.20	11.90	17.00
	<b>OUTPUT POWER</b>	kW	36.20	44.40	63.50	91.30
	<b>COP</b>		5.66	5.41	5.34	5.37
<b>15°C T<sup>a</sup> AIR 26°C T<sup>a</sup> WATER</b>	<b>INPUT POWER</b>	kW	6.20	8.10	11.50	16.80
	<b>OUTPUT POWER</b>	kW	30.53	39.70	56.80	80.20
	<b>COP</b>		4.92	4.90	4.94	4.77
<b>5°C T<sup>a</sup> AIR 26°C T<sup>a</sup> WATER</b>	<b>INPUT POWER</b>	kW	6.00	7.90	10.70	16.20
	<b>OUTPUT POWER</b>	kW	23.20	30.00	41.30	61.00
	<b>COP</b>		3.87	3.80	3.86	3.77
<b>CHILLER MODE</b>						
<b>30°C AIR TEM- PERATURE 26°C WATER TEMPERATURE</b>	<b>INPUT POWER</b>	kW	7.00	8.40	12.00	17.30
	<b>OUTPUT POWER</b>	kW	42.25	51.00	72.00	104.00
	<b>EER</b>		6.04	6.07	6.00	6.01
<b>43°C AIR TEM- PERATURE 32°C WATER TEMPERATURE</b>	<b>INPUT POWER</b>	kW	9.44	11.86	15.60	24.50
	<b>OUTPUT POWER</b>	kW	29.10	37.00	49.50	74.00
	<b>EER</b>		3.08	3.12	3.17	3.02
<b>STANDARD AND CHILLER MODELS</b>						
<b>SIZE</b>						
	A (mm)	1000	1000	1700	2100	2400
	B (mm)	950	950	1200	1200	1200
	C (mm)	1140	1140	1200	1500	1700
<b>NET WEIGHT</b>	kg	185	210	287	447	500

NOTE: d\* = As per UNE-EN 12102/ISO 3744:2010.

## FLUIDRA CONNECT ACCESSORIES

### Fluidra Connect accessories

	Code	Pack. Standard	Weight kg Standard	Volume in m <sup>3</sup> Standard
230 VAC opto-isolator	<b>66395</b>	-	-	-
24 VAC opto-isolator	<b>66396</b>	-	-	-
Switch - 5 ports	<b>66390*</b>	-	-	-
Power Line Communications - 2 ports	<b>66391*</b>	-	-	-
Indoor Wi-Fi access point	<b>66392*</b>	-	-	-
Outdoor router	<b>66393*</b>	-	-	-
Portable router	<b>66394*</b>	-	-	-
3G router (requires SIM card)	<b>67297*</b>	-	-	-
3G router for DIN rail (requires SIM card)	<b>67298*</b>	-	-	-
SEM1 single-phase meter with transformer	<b>68441</b>	-	-	-
SEM3 single-phase meter with 3 transformers	<b>68442</b>	-	-	-
Bridge Modbus TCP/RTU	<b>68168</b>	-	-	-
Modbus temperature probe kit	<b>69682</b>	-	-	-

\* While stocks last



66395 - 66396



66390



66391



66392



66393



66394



67297



68441-68442



68168





## PUBLIC POOLS - POOL SURROUND EQUIPMENT

- 416 • Pool access - Ladders
- 418 • Pool access - Exit grab rails
- 419 • Pool access - Anchoring sockets and handrails
- 420 • Pool access - Disabled access
- 422 • Handrails
- 423 • Handrail attachment support
- 424 • Lifeguard chairs
- 424 • Life-saving accessories
- 425 • Showers - Showers with timers
- 425 • Showers - Shower tunnels
- 426 • Showers - Outdoor footbaths
- 426 • AstralPool Bike
- 427 • Water games and ornamental water features
- 441 • Grilles for overflow

Further information in PRODUCTS  
[www.astralpool.com](http://www.astralpool.com)

## POOL ACCESS - LADDERS

Complies with Standard  
EN 13451-1  
EN 13451-2

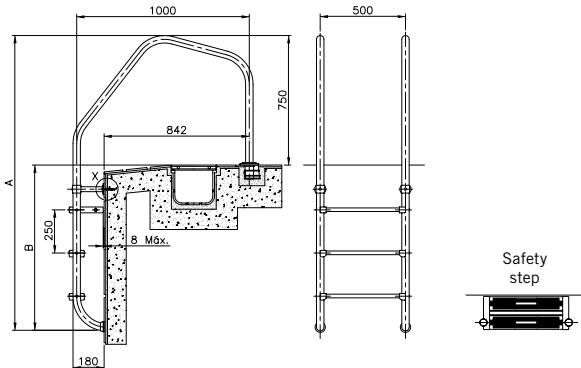
## Overflow 1000 model

Ladder width 500 mm Ø 43 mm handrail, non-slip surface stainless treads, bright satin finish, anchoring fixtures for connection to the equipotential circuit and removable anchoring with plate for fastening to wall. AISI-316 handrail and steps.

- 1 "Luxe" steps + 1 double safety step
- 2 "Luxe" steps + 1 double safety step
- 3 "Luxe" steps + 1 double safety step
- 4 "Luxe" steps + 1 double safety step

Code	Pack. Standard	Weight kg Standard	Volume in m <sup>3</sup> Standard
07514	1	13.2	0.158
07515	1	15.3	0.180
07516	1	17.1	0.202
07517	1	19.2	0.217

Code	Steps	A	B
07514	2	1460	710
07515	3	1710	960
07516	4	1960	1210
07517	5	2210	1460

Complies with Standard  
EN 13451-1  
EN 13451-2

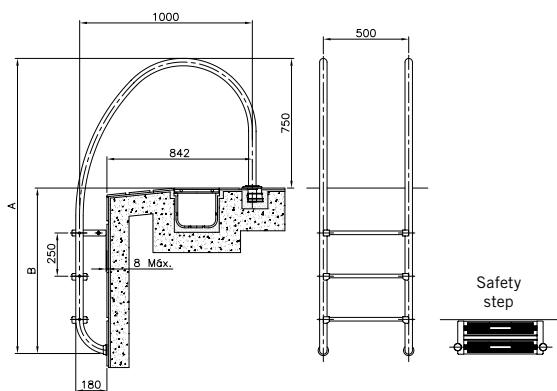
## Ladder for swimming pools with overflow

Includes variable radius curvature in grip section for a contemporary and attractive look. Steps 500 mm wide. Easy to install. Ø 43 mm x 1.5 mm handrail with AISI-316 bright satin finish stainless steel steps. Anchoring fixtures for connection to the equipotential circuit NB: Do not permit mounting on anchoring fixtures 00043, 08727, 07331, 18243.

- 2 steps ladder
- 3 steps ladder
- 4 steps ladder
- 5 steps ladder

Code	Pack. Standard	Weight kg Standard	Volume in m <sup>3</sup> Standard
32653	1	13.2	0.158
32654	1	16.2	0.180
32655	1	17.1	0.202
32656	1	19.2	0.217

Code	Steps	A	B
32653	2	1460	710
32654	3	1710	960
32655	4	1960	1210
32656	5	2210	1460

Complies with Standard  
EN 13451-1  
EN 13451-2

## Double non-slip safety step

AISI-316 stainless steel with bright satin finish. For all in-ground pool ladder models.

Safety step

Code	Pack. Standard	Weight kg Standard	Volume in m <sup>3</sup> Standard
70662	1	2.05	0.003

## POOL ACCESS - LADDERS



Complies with Standard  
EN 13451-2

## PMR ladder for public pools

Public ladder manufactured in AISI-316 stainless steel. Polished finish. Step with non-slip punching.

	Code	Pack. Standard	Weight kg Standard	Volume in m <sup>3</sup> Standard
3 steps ladder	64894	1	35.0	-
4 steps ladder	64895	1	41.0	-
5 steps ladder	64896	1	35.0	-
6-step ladder	64897	1	46.5	-
7-step ladder	64898	1	46.5	-
8-step ladder	64899	1	46.5	-

## POOL ACCESS - EXIT GRAB RAILS



## 800 x 800 mm model

Set of 2 tubular handrails in polished S.S. AISI-316 Ø 43 mm pipe. Exit grab rails with fixing plates are supplied as a pair including fixing plates, gaskets, screws and wall plugs.

	Code	Pack. Standard	Weight kg Standard	Volume in m <sup>3</sup> Standard
Attachment by means of fixing plate	05541	1	9.27	0.10
Attachment for embedding	05540	1	8.40	0.10



## 470 x 800 mm model

Set of 2 tubular handrails in polished S.S. AISI-316 Ø 43 mm pipe. Exit grab rails with fixing plates are supplied as a pair including fixing plates, gaskets, screws and wall plugs.

	Code	Pack. Standard	Weight kg Standard	Volume in m <sup>3</sup> Standard
Attachment by means of fixing plate	05542	1	6.97	0.08



## 470 x 800 mm model with rectangular base plate

Set of 2 tubular handrails in polished S.S. AISI-316 Ø 43 mm pipe. The exit grab rails with base plates are supplied with screws and wall plugs.

	Code	Pack. Standard	Weight kg Standard	Volume in m <sup>3</sup> Standard
Attachment by means of fixing plate	05543	1	7.6	0.08



## Crossover model with rectangular base plate

Set of 2 tubular handrails in polished S.S. AISI-316 Ø 43 mm pipe. The exit grab rails with base plates are supplied with wall plugs and screws.

	Code	Pack. Standard	Weight kg Standard	Volume in m <sup>3</sup> Standard
Attachment by means of fixing plate	05544	1	8.46	0.18



Further information in **PRODUCTS**  
[www.astralpool.com](http://www.astralpool.com)

## POOL ACCESS - EXIT GRAB RAILS



### Parallel model

Set of 2 tubular handrails in polished S.S. AISI-316 Ø 43 mm pipe. For fixing with anchoring fixture code 00143 (not included).

	Code	Pack. Standard	Weight kg Standard	Volume in m <sup>3</sup> Standard
Parallel model	00110	1	10.0	0.11



### Asymmetrical model

Set of 2 tubular handrails in polished S.S. AISI-316 Ø 43 mm pipe. For fixing with anchoring fixture code 00143 (not included).

	Code	Pack. Standard	Weight kg Standard	Volume in m <sup>3</sup> Standard
Asymmetrical model	00111	1	10.1	0.14



Complies with Standard  
**EN 13451-1**  
**EN 13451-2**

### Split ladder - Bottom half

AISI-316 bright satin stainless steel steps and Ø 43 mm handrail. Can be combined with any ladder model. Fastening with plates, gaskets, wall plugs and screws.

	Code	Pack. Standard	Weight kg Standard	Volume in m <sup>3</sup> Standard
1 "Luxe" step + 1 double safety step	08090	1	6.0	0.04
2 "Luxe" steps + 1 double safety step	08091	1	7.6	0.04
3 "Luxe" steps + 1 double safety step	08092	1	9.0	0.05
4 "Luxe" steps + 1 double safety step	08093	1	10.5	0.07

### Grab rails, fixed in and out of the water

Polished AISI-316 stainless steel. Ø 43 mm.



#### For embedding

2 units. Length 1,220 mm  
 2 units. Length 1,524 mm

	Code	Pack. Standard	Weight kg Standard	Volume in m <sup>3</sup> Standard
2 units. Length 1,220 mm	00034	1	11.4	0.14
2 units. Length 1,524 mm	00035	1	13.0	0.16

#### With base plates

(gaskets, wall plugs and screws)  
 2 units. Length 1,220 mm  
 2 units. Length 1,524 mm

	Code	Pack. Standard	Weight kg Standard	Volume in m <sup>3</sup> Standard
2 units. Length 1,220 mm	00036	1	12.2	0.21
2 units. Length 1,524 mm	00037	1	13.6	0.24



### Grab rail fixed out of the water

In polished AISI-316 stainless steel (Ø 43 mm).

	Code	Pack. Standard	Weight kg Standard	Volume in m <sup>3</sup> Standard
<b>For embedding</b>	<b>07780</b>	<b>1</b>	<b>6.7</b>	<b>0.118</b>
<b>With base plates</b> (gaskets, wall plugs and screws)	<b>07781</b>	<b>1</b>	<b>6.7</b>	<b>0.118</b>

## POOL ACCESS - ANCHORING SOCKETS AND HANDRAILS



## Anchoring sockets

Made of plastic, with earth connection.

For Ø 43 mm pipe.  
For Ø 48 mm pipe.

Code	Pack. Standard	Weight kg Standard	Volume in m <sup>3</sup> Standard
00042	50	7.0	0.03
07661	-	-	-



## Articulated anchoring sockets

In polished Stainless Steel (AISI-304) for a ladder with a Ø 43 mm pipe.

Articulated anchoring socket without base plate  
Articulated anchoring socket with base plate

Code	Pack. Standard	Weight kg Standard	Volume in m <sup>3</sup> Standard
00043	1	0.93	0.002
08727	1	1.0	0.002



## Removable anchoring socket with base plate

In polished stainless steel (AISI-316) for a Ø 43 mm pipe with gaskets, wall plugs and screws.

Set of 2 units

Code	Pack. Standard	Weight kg Standard	Volume in m <sup>3</sup> Standard
07331	1	1.00	0.003



## Anchor with locking bolts

Made of polished AISI-316 stainless steel. For a Ø 43 mm pipe.

Anchoring sockets

Code	Pack. Standard	Weight kg Standard	Volume in m <sup>3</sup> Standard
00143	2	1.2	0.003



## Ladder foot pad

Made of plastic, the angle can be adjusted by rotating the eye ball socket. Recommended for liner pools.

For Ø 43 mm pipe.  
For Ø 28 mm pipes.

Code	Pack. Standard	Weight kg Standard	Volume in m <sup>3</sup> Standard
00045	50	12.6	0.03
00046	50	14.0	0.03



## Stainless Steel Handrails

Polished Ø 43 mm AISI-316 stainless steel pipes. With fixing plates (including gaskets, screws and wall plugs).

Length 0.5 m  
Length 1 m  
Length 2 m  
Length 2.5 m

Code	Pack. Standard	Weight kg Standard	Volume in m <sup>3</sup> Standard
00051	2	2.8	0.02
00052	2	4.3	0.04
00053	2	7.9	0.09
00054	2	9.5	0.11



## Tee bar

Polished Ø 43 mm AISI-316 stainless steel pipes.

With fixing plates (including gaskets, screws and wall plugs).

Code	Pack. Standard	Weight kg Standard	Volume in m <sup>3</sup> Standard
00056	1	2.09	0.01



Further information in **PRODUCTS**  
www.astralpool.com

## POOL ACCESS - DISABLED ACCESS



**69444**

### Pal and Pal II portable chairs for disabled

Portable chair for disabled. No assembly required in pool deck area. The rechargeable 24V battery powers a mechanical actuator, ensuring that the chair is already ready for use. 30-Cycle duration once charged. The perfect solution for facilities with multiple pools as it can be set up anywhere along the pool deck and put away when not in use. Waterproof remote control. Easy to use, even for the end user. Just roll the chair to the edge of the pool, lock the wheels, set the stabilizers, and it is ready to use. Structure made of waterproof materials to prevent corrosion. Armrest and footrest included. The Pal makes any pool accessible in seconds. It is truly the easiest way to get everyone into the water.

Code	Pack. Standard	Weight kg Standard	Volume in m <sup>3</sup> Standard
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PAL II chair.  
Counterweight in cement blocks.

**69444**

1

-

-

\* Ask your AstralPool distributor about infinity pools, spas and other non-standard models.



### Splash semi-portable lifting system for disabled people

Semi-portable chair installed on the pool deck for disabled people. Includes a cart to carry the chair in order to install it in different locations. Installation requires a ground anchor. Its 24 V rechargeable battery supplies power to a metallic actuator, ensuring that the device is always ready for use. Duration of 30 cycles once loaded. Waterproof remote control. The Splash is equipped with a water resistant structure to prevent corrosion and it has armrests and a footrest. Its load capacity of 136 kg and its 359° swivel makes it one of the most practical solutions for disabled access to the pool.

Code	Pack. Standard	Weight kg Standard	Volume in m <sup>3</sup> Standard
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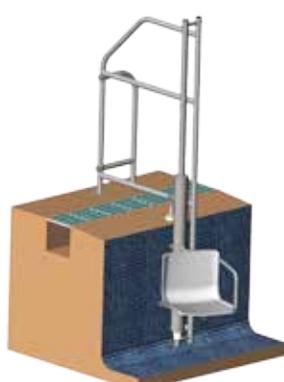
Splash Chair

**53924**

1

390

1.789



### Hydraulic lift

New

It is made up of a structure made of polished Ø 43 mm AISI-316 stainless steel pipes to which the hydraulic mechanism supporting the chair is fitted, and a ladder at the side for the assistant. For the hydraulic mechanism to work there needs to be a water supply with a minimum pressure of 3.5 kg/cm<sup>2</sup>.

Code	Pack. Standard	Weight kg Standard	Volume in m <sup>3</sup> Standard
------	-------------------	-----------------------	--------------------------------------

#### Fully equipped lift

with a 650-mm-long handrail  
with a 1000-mm-long handrail

**71657**

1

-

-

**71658**

1

-

-

Optional:

Headrest

**71185**

1

-

-

Foot rests

**71186**

1

-

-

**INSTALLATION:** The external attachment is by means of two fixed metallic anchors (supplied with the device) and two adjustable front supports, which make it possible to adjust the lift to the finishes of different swimming pools.

To make it easier for people that do not require a hydraulic lift chair to get in and out of leisure or hydrotherapy pools. Easy to assemble.

## POOL ACCESS - DISABLED ACCESS



For pool shallower than 1,500 mm please ask your dealer.

## Hydraulic lift

It is made up of a structure made of polished Ø 43 mm AISI-316 stainless steel pipes to which the hydraulic mechanism supporting the chair is fitted, and a ladder at the side for the assistant. For the hydraulic mechanism to work there needs to be a water supply with a minimum pressure of 3.5 kg/cm<sup>2</sup>.

	Code	Pack. Standard	Weight kg Standard	Volume in m <sup>3</sup> Standard
L-650 Railings	<b>28619</b>	1	18.7	0.253
L-1000 Railings	<b>28620</b>	1	35.5	0.383
Cylinder	<b>28621</b>	1	13.8	0.042
Accessories	<b>28622</b>	1	18.3	0.178

INSTALLATION: The external attachment is by means of two fixed metallic anchors (supplied with the device) and two adjustable front supports, which make it possible to adjust the lift to the finishes of different swimming pools.

To make it easier for people that do not require a hydraulic lift chair to get in and out of leisure or hydrotherapy pools. Easy to assemble.



## 500 mm width model

Made of polished Ø 43 mm AISI-316 stainless steel pipes. Plastic non-slip steps. Supplied with anchoring fixtures and earth connection.

	Code	Pack. Standard	Weight kg Standard	Volume in m <sup>3</sup> Standard
4 steps	<b>00116</b>	1	28.0	0.300
5 steps	<b>00117</b>	1	40.9	0.300
6 steps	<b>00118</b>	1	47.5	0.370
7 steps	<b>00119</b>	1	51.4	0.370
8 steps	<b>00120</b>	1	48.0	1.057

## 970 mm width model

Made of polished Ø 43 mm AISI-316 stainless steel pipes. Plastic non-slip steps. Supplied with anchoring fixtures and earth connection.

	Code	Pack. Standard	Weight kg Standard	Volume in m <sup>3</sup> Standard
4 steps	<b>00116 + 4 Kit 28615</b>	1	-	-
5 steps	<b>00117 + 5 Kit 28615</b>	1	-	-
6 steps	<b>00118 + 6 Kit 28615</b>	1	-	-
7 steps	<b>00119 + 7 Kit 28615</b>	1	-	-
8 steps	<b>00120 + 8 Kit 28615</b>	1	-	-

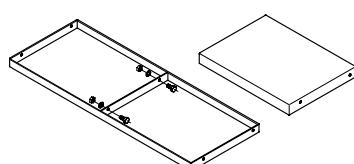
We also supply the pipes and components needed to install grab rails or other decorative features around the edge of pools.



## Step kit for converting a ladder's width from 500 to 970 mm

To convert the ladder from 500 mm to 970 mm, one "Step kit" is required for each of the steps of the ladder. It is made of polished AISI-316 stainless steel pipes, with plastic non-slip steps.

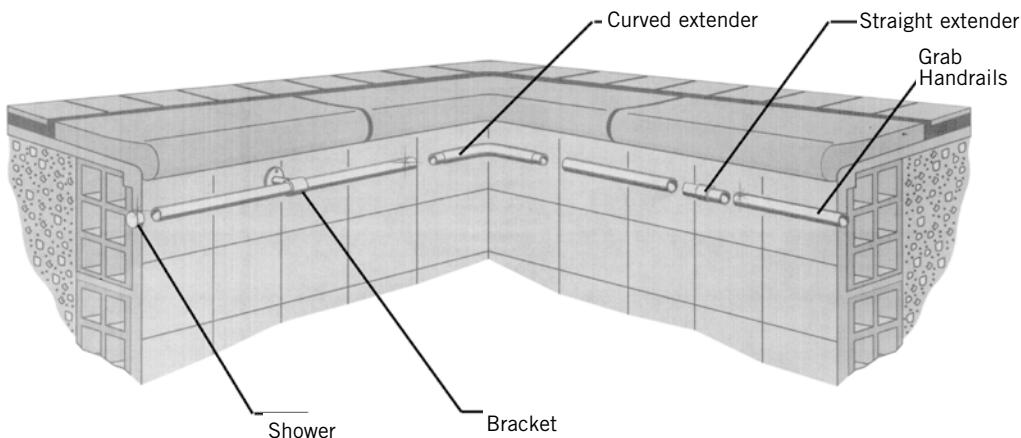
	Code	Pack. Standard	Weight kg Standard	Volume in m <sup>3</sup> Standard
Step kit	<b>28615</b>	1	5.9	0.027





Further information in **PRODUCTS**  
[www.astralpool.com](http://www.astralpool.com)

## HANDRAILS



### Straight handrails

In polished AISI-316 stainless steel pipe ( $\varnothing$  43 mm). The length required must be ordered.



	Code	Pack. Standard	Weight kg Standard	Volume in m <sup>3</sup> Standard
With sealed ends	<b>05545</b>	1	1.5	0.002
With open ends	<b>19946</b>	1	1.3	0.002
With one end sealed and the other open	<b>20092</b>	1	1.3	0.002



### Straight handrail connector

Made of polished AISI-316 stainless steel. For joining  $\varnothing$  43 mm stainless steel pipes.

	Code	Pack. Standard	Weight kg Standard	Volume in m <sup>3</sup> Standard
Straight handrail connector	<b>09452</b>	1	0.32	0.001



### Curved connector

Made of polished AISI-316 stainless steel. For joining  $\varnothing$  43 mm pipes.

	Code	Pack. Standard	Weight kg Standard	Volume in m <sup>3</sup> Standard
Curved connector	<b>11286</b>	1	0.3	0.001



### End Caps

For the end of  $\varnothing$  43 mm handrail pipes. Made of polished AISI-316 stainless steel.

	Code	Pack. Standard	Weight kg Standard	Volume in m <sup>3</sup> Standard
Shower	<b>08014</b>	1	0.1	0.001

## HANDRAIL ATTACHMENT SUPPORT

### Bracket closed at one end

Made of AISI-316 stainless steel for Ø 43 mm handrails. Supplied with screws, gasket and wall plugs.



Bracket closed at one end

Code	Pack. Standard	Weight kg Standard	Volume in m <sup>3</sup> Standard
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**07789** 2 0.6 0.002

### 90° Angle handrail support

Made of AISI-316 stainless steel for Ø 43 mm handrails. Supplied with screws, gasket and wall plugs.



90° Angle handrail support

Code	Pack. Standard	Weight kg Standard	Volume in m <sup>3</sup> Standard
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**11143** 1 1.17 0.002

### Adaptor kit for liner swimming pools.

Made of AISI-316 stainless steel.



Adaptor kit for liner swimming pools.

Code	Pack. Standard	Weight kg Standard	Volume in m <sup>3</sup> Standard
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**26172** 1 0.3 0.002

### Split bracket

For Ø 43 mm pipe. Made of polished AISI-316 stainless steel. Supplied with screws and wall plugs (concrete swimming pools) and gasket and screws (liner swimming pools).



Concrete swimming pool  
Liner swimming pool

Code	Pack. Standard	Weight kg Standard	Volume in m <sup>3</sup> Standard
<b>25342</b>	2	0.72	0.002
<b>28618</b>	2	1.40	0.002

### Straight bracket with base plate

Made of AISI-316 polished stainless steel for Ø 43 mm handrails. Supplied with screws, gasket and wall plugs.



Straight bracket with base plate

Code	Pack. Standard	Weight kg Standard	Volume in m <sup>3</sup> Standard
------	-------------------	-----------------------	--------------------------------------

**08013** 2 0.5 0.002



Further information in **PRODUCTS**  
www.astralpool.com

## LIFEGUARD CHAIRS



### Lifeguard chair

Made with polished Ø 43 mm AISI-304 stainless steel pipes. The steps, platform and chair are made of plastic. The base bar has wheels.

Lifeguard chair  
Lifebuoy holder  
Sunshade bracket

Code	Pack. Standard	Weight kg Standard	Volume in m <sup>3</sup> Standard
56993	1	55.6	0.52
56994	1	0.6	0.03
56995	1	0.6	0.01



56994

56995



### H-400 quick access lifeguard chair

Made of polished Ø 43 mm AISI-304 stainless steel pipes. The steps, platform and chair are made of plastic. Large platform and 90° rotating seat to increase the range of vision. Ideal for children's or paddling pools. Includes bracket for sunshade.

H-400 lifeguard chair

Code	Pack. Standard	Weight kg Standard	Volume in m <sup>3</sup> Standard
15673	1	39.6	0.66



### Multipurpose H-1000 lifeguard chair

Made of polished Ø 43 mm AISI-304 stainless steel pipes. The steps, platform and chair are made of plastic. Large platform and 90° rotating seat to increase the range of vision. Includes bracket for sunshade.

H-1000 lifeguard chair

Code	Pack. Standard	Weight kg Standard	Volume in m <sup>3</sup> Standard
15674	1	65.0	1.64

## LIFE-SAVING ACCESSORIES



### Lifebuoy holder

Made of AISI-316 stainless steel with connection to telescopic handles 01361, 01362, 01363 and 15838 by means of wing nuts.

Lifebuoy holder

Code	Pack. Standard	Weight kg Standard	Volume in m <sup>3</sup> Standard
01368	1	1.46	0.03



### Lifebuoy

Made of Styropor covered with orange canvas, Ø 700 mm.

Lifebuoy

Code	Pack. Standard	Weight kg Standard	Volume in m <sup>3</sup> Standard
01369	6	18.0	0.330



### Lifebuoy holder

Made of polished AISI-304 stainless steel. It can be hung on the wall or fitted to a lifebelt holder post (code 01371). It is supplied with wall plugs and screws.

Lifebuoy holder

Code	Pack. Standard	Weight kg Standard	Volume in m <sup>3</sup> Standard
01370	1	1.16	0.004

## LIFE-SAVING ACCESSORIES



## Lifebelt holder post

In polished AISI-316 stainless steel ( $\varnothing$  43 mm). Baseplate with 3 holes. Supplied with flexible seal, wall plugs and screws.

Lifebelt holder post

Code	Pack. Standard	Weight kg Standard	Volume in m <sup>3</sup> Standard
01371	1	3.0	0.01

## SHOWERS - SHOWERS WITH TIMERS



## Shower with timer and 4 shower heads

AISI-304 polished stainless steel shower, specially designed for high footfall facilities (public or semi-public pools). AstralPool showers for public facilities are characterised by their highly resistant materials, considered vandal-proof, and the water savings made thanks to their built-in flow limiters. Showerhead height from floor: 2 m. Fastened to floor with screws, with anchoring fixture incorporated. Fastens to ground with screws and includes an anchoring fixture.

Shower with timer and 4 shower heads

Code	Pack. Standard	Weight kg Standard	Volume in m <sup>3</sup> Standard
59779	1	18.7	0.166



SHOWERHEADS



TIMER SWITCHES

## SHOWERS - SHOWER TUNNELS



## Shower tunnel with arch

For swimming pool entrances. Made of polished AISI-304 stainless steel pipe with a diameter of 28 mm. Supplied with wall plugs and screws.

1 Arch with 3 shower heads. Width 1.2 m  
1 Arch with 5 shower heads. Width 2 m

Code	Pack. Standard	Weight kg Standard	Volume in m <sup>3</sup> Standard
00100	1	9,6	0.10
19948	1	10.4	0.14



SHOWERHEAD



Further information in **PRODUCTS**  
[www.astralpool.com](http://www.astralpool.com)

## SHOWERS - SHOWER TUNNELS



### Control column

Made of AISI-304 stainless steel. The control the automatic opening and closing of the water circuit. It includes the following elements: a 220V/24V transformer, a photoelectric timer cell and an electro valve. It is supplied with wall plugs and screws.

	Code	Pack. Standard	Weight kg Standard	Volume in m <sup>3</sup> Standard
Control column	00102	1	7.0	0.02

## SHOWERS - OUTDOOR FOOTBATHS



### Footwash for public use

Footwash tray measuring 2 x 1 m, for public use. Made of polyester resin and fibreglass. Finished with Gelcoat. Specifications:

- Drain grille 3/8"
- Overflow and water inlet connection 3/8".
- Non-slip surface incorporated in the polyester.
- Angled tray to avoid water build-up.

	Code	Pack. Standard	Weight kg Standard	Volume in m <sup>3</sup> Standard
Blue colour	21255	1	30.0	0.91
White colour	21255CLO7	1	30.0	0.91



### Dosing recipient

Designed to be installed in the footwash (screwed or glued) as a recipient for a 200 g Chlorine tablet that dissolves gradually and disinfects the water. Includes locking screws to prevent undue opening as well as for ensuring user safety.

	Code	Pack. Standard	Weight kg Standard	Volume in m <sup>3</sup> Standard
Dosing recipient	25356	-	-	-

## ASTRALPOOL BIKE



### AstralPool Bike

Aquabike made of square and rectangular polished AISI-316 stainless steel pipe. Ideal for gyms, wellness centres, spas, medical facilities, hotels and private pools.

- Made of AISI-316L stainless steel.
- Adjustable height of saddle and handlebar.
- For use in public and residential pools from 1 to 1.5 metres in depth.
- Ergonomic.
- Pedals made of PUR.
- Easy to move about.

	Code	Pack. Standard	Weight kg Standard	Volume in m <sup>3</sup> Standard
AstralPool Bike	67333	1	20	0.12

**NOTE:** The water features do not include anchoring, pump, control panel nor suction system.

## WATER GAMES AND ORNAMENTAL WATER FEATURES

Range of cascades for residential pools made of AISI-316 stainless steel. The range is made up of three cascades in an outstanding modern design. Polished or matt finish.

All models come with anchoring. A ½ HP pump is recommended (code 38769).



Classic water curtain

Classic water curtain

	Code	Pack. Standard	Weight kg Standard	Volume in m <sup>3</sup> Standard
Classic water curtain	<b>57095</b>	1	28	0.38



Straight water curtain

Straight water curtain

	Code	Pack. Standard	Weight kg Standard	Volume in m <sup>3</sup> Standard
Straight water curtain	<b>57096</b>	1	36	0.25



One water curtain

One water curtain

	Code	Pack. Standard	Weight kg Standard	Volume in m <sup>3</sup> Standard
One water curtain	<b>57097</b>	1	36	0.25

### RECOMMENDED



See  
p.155



Residential water curtain

Residential water curtain in polished stainless steel. Fastened to the ground with screws and anchor studs.

	Code	Pack. Standard	Weight kg Standard	Volume in m <sup>3</sup> Standard
A-350 AISI-316 stainless steel, 12 m <sup>3</sup> /h 2 mca	<b>52244</b>	1	10	0.12
A-500 AISI-316 stainless steel, 18 m <sup>3</sup> /h 2 mca	<b>52245</b>	1	15	0.24

Code	Suction concrete	Pump	Control box	*Optional Push button + Switch
<b>52244</b>	00302 x 2	38771	25719	04047 + 04050
<b>52245</b>	00302 x 2	38773	25719	04047 + 04050

\* Optional: components for turning the waterfall on from the pool.

**NOTE:** The water features do not include a pump, control box or suction pipes.

## WATER GAMES AND ORNAMENTAL WATER FEATURES



### Residential water cannon

Residential water cannon in polished stainless steel. Fastened to the ground with screws and anchor studs.

	Code	Pack. Standard	Weight kg Standard	Volume in m <sup>3</sup> Standard
<b>AISI-316 stainless steel</b>				
Round opening. 5 m <sup>3</sup> /h, 2 mca	<b>52242</b>	1	3	0.12
Flat opening. 15 m <sup>3</sup> /h, 2 mca	<b>52243</b>	1	5	0.13
<b>AISI-304 stainless steel</b>				
Round opening. 5 m <sup>3</sup> /h, 2 mca	<b>52238</b>	1	3	0.12
Flat opening. 15 m <sup>3</sup> /h, 2 mca	<b>52239</b>	1	5	0.13

Code	Suction concrete	Pump	Control box	*Optional Push button + Switch
<b>52242</b>	00302	38769	25718	04047 + 04050
<b>52243</b>	00302 x 2	38771	25719	04047 + 04050
<b>52238</b>	00302	38769	25718	04047 + 04050
<b>52239</b>	00302 x 2	38771	25719	04047 + 04050

\*Optional: components for turning the cannon on from the pool.



### Ornamental waterfalls

In AISI-316 stainless steel.

	Code	Pack. Standard	Weight kg Standard	Volume in m <sup>3</sup> Standard
Width (W) 300 mm. 1½" connection (B)	<b>05577</b>	1	6.9	0.06
Width (W) 600 mm, 2" connection (B)	<b>05578</b>	1	11.9	0.09

Code water feature	Face plate	Anchoring sockets		Suction		Pump	Control box			
		Concrete	Liner	Concrete	Liner		Manual push button	Pneumatic push button		
								Concrete	Liner	
<b>05577</b>	-	-	-	<b>19987 x 1</b>	<b>20091 x 1</b>	<b>38770</b>	<b>19988</b>	<b>07669</b>	<b>07868</b>	
<b>05578</b>	-	-	-	<b>19987 x 2</b>	<b>20091 x 2</b>	<b>38776</b>	<b>19989</b>	<b>17154</b>	<b>17155</b>	

**Note:** The pneumatic push button includes: control box, wall conduits and push button.



### SilkFlow waterfalls

Waterfall made of corrosion resistant ABS. Can be fed through the return circuit of the pool filter or through a specific pump.

	Code	Pack. Standard	Weight kg Standard	Volume in m <sup>3</sup> Standard
300 mm waterfall	<b>45205</b>	1	1.19	0.012
600 mm waterfall	<b>45206</b>	1	2.36	0.021
900 mm waterfall	<b>45207</b>	1	3.45	0.003
1200 mm waterfall	<b>45208</b>	1	4.62	0.004
1800 mm waterfall	<b>54090</b>	1	7.0	0.057

Code	Required water flow l/min	Standard pump size HP	A Length of waterfall	B Width of waterfall over the pool surface, at the recommended rate of l/min/m	C Recommended height for the waterfall	D Distance of the water at the recommended rate of l/min/m
<b>45205</b>	50	0,5	300 mm	200 mm	300 mm	300 mm
<b>45206</b>	100	0,5	600 mm	500 mm	600 mm	300 mm
<b>45207</b>	150	0,75	900 mm	800 mm	900 mm	300 mm
<b>45208</b>	200	0,75	1200 mm	1100 mm	900 mm	300 mm
<b>54090</b>	300	1,50	1800 mm	1700 mm	900 mm	300 mm

**NOTE:** The water features do not include anchoring, pump, control panel nor suction system.

## WATER GAMES AND ORNAMENTAL WATER FEATURES



### Cobra Curtain

Height: 1.2 m. Width 600 mm. Stainless Steel AISI-316.

	Code	Pack. Standard	Weight kg Standard	Volume in m <sup>3</sup> Standard
Matt finish	19972	1	23.2	0.630
Painted in white	19973	1	23.2	0.630



### Boa Curtain

Height: 1.2 m. Width 340 mm. Stainless Steel AISI-316.

	Code	Pack. Standard	Weight kg Standard	Volume in m <sup>3</sup> Standard
Bright polished	19974	1	11.2	0.278



### Luxe Curtain

Height: 0.9 m. Stainless Steel AISI-316.

	Code	Pack. Standard	Weight kg Standard	Volume in m <sup>3</sup> Standard
Bright polished	19975	1	60.0	0.547

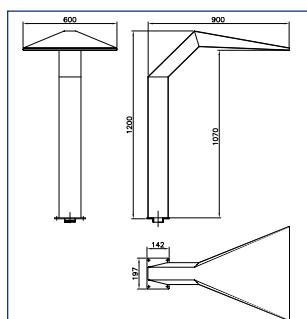


### Arched Curtain

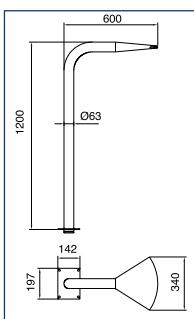
Stainless Steel AISI-316 matt finish.

	Code	Pack. Standard	Weight kg Standard	Volume in m <sup>3</sup> Standard
Width 600 mm, Height 800 mm	20129	1	34.1	0.247
Width 600 mm, Height 1000 mm	20130	1	62.0	0.547
Width 1000 mm, Height 1000 mm	20131	1	106.5	1.044

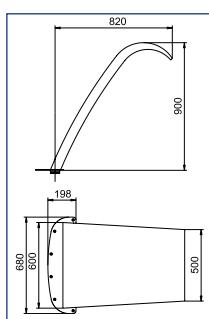
**19972-19973**



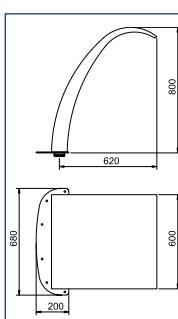
**19974**



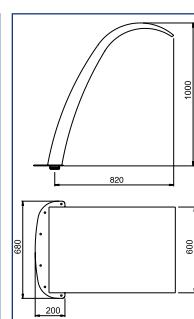
**19975**



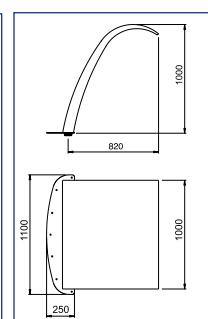
**20129**



**20130**



**20131**



Curtain code	Faceplate	Anchoring sockets		Suction		Pump	Control box		
		Concrete	Concrete	Liner	Manual push button		Pneumatic push button	Concrete	
19972	19981	19983	19987 x 3	20091 x 3	38780	19990	07537	07867	
19973	19982	19983	19987 x 3	20091 x 3	38780	19990	07537	07867	
19974	19977	19983	19987 x 2	20091 x 2	38776	19989	17154	17155	
19975	-	19985	19987 x 3	20091 x 3	38780	19990	07537	07867	
20129	-	19985	19987 x 3	20091 x 3	38780	19990	07537	07867	
20130	-	19985	19987 x 3	20091 x 3	38780	19990	07537	07867	
20131	-	20135	19987 x 3	20091 x 3	38780	19990	07537	07867	

Note: The pneumatic push button includes: control box, wall conduits and push button.

**NOTE:** The water features do not include anchoring, pump, control panel nor suction system.



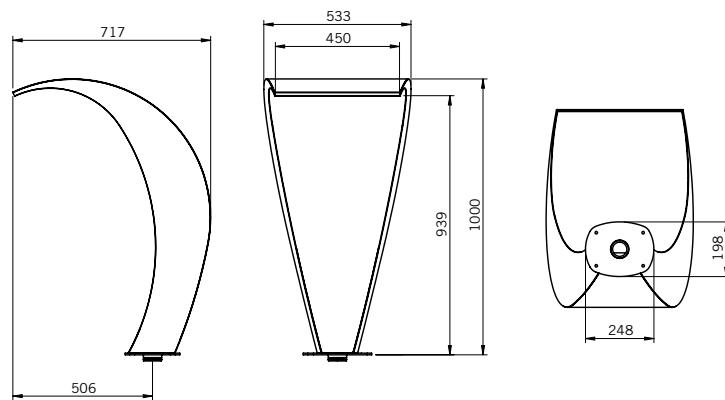
## WATER GAMES AND ORNAMENTAL WATER FEATURES

### Swan Curtain 450

In AISI-316 stainless steel.

Matt finish

Code	Pack. Standard	Weight kg Standard	Volume in m <sup>3</sup> Standard
<b>34387</b>	1	27.7	0.356

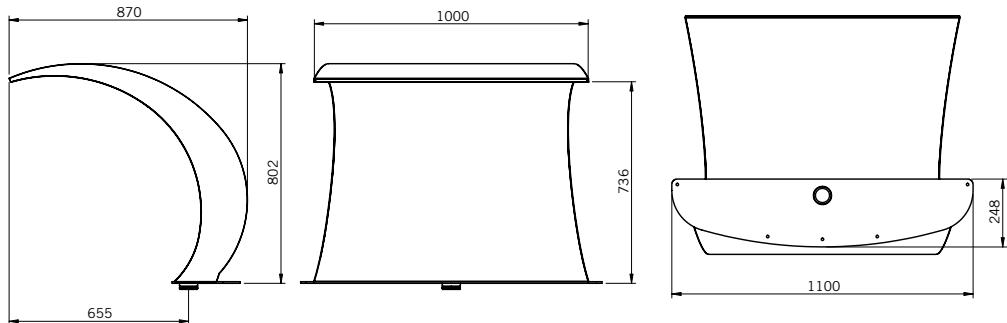


### Swan Curtain 1000

In AISI-316 stainless steel.

Matt finish

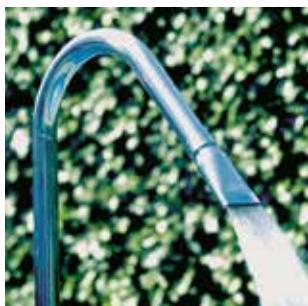
Code	Pack. Standard	Weight kg Standard	Volume in m <sup>3</sup> Standard
<b>34390</b>	1	38.2	0.872



Curtain code	Anchoring sockets	Suction			Pump	Control box		
		Concrete	Concrete	Liner		Manual push button	Pneumatic push button	
	Concrete	Liner	Concrete	Concrete		Concrete	Liner	
34387	19983	19987 x 2	20091 x 2		38776	19989	17154	17155
34390	20135	19987 x 3	20091 x 3		38780	19990	07537	07867

Note: The pneumatic push button includes: control box, wall conduits and push button.

**NOTE:** The water features do not include anchoring, pump, control panel nor suction system.



## WATER GAMES AND ORNAMENTAL WATER FEATURES

### Cannons

In AISI-316 polished stainless steel (cannon only, no nozzles) Ø 50mm pipe. Height 1.2 m

Code	Pack. Standard	Weight kg Standard	Volume in m <sup>3</sup> Standard
<b>19968</b>	1	7.2	0.193

### Interchangeable nozzles



#### Nozzle No 1

Code	Pack. Standard	Weight kg Standard	Volume in m <sup>3</sup> Standard
<b>05572</b>	1	0.66	0.003

#### Nozzle No 2

<b>05573</b>	1	0.46	0.003
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#### Nozzle No 3

<b>05574</b>	1	0.56	0.003
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#### Nozzle No 4

<b>05575</b>	1	0.81	0.003
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### Vertical

In polished AISI-316 Stainless Steel. Pipe: Ø 84 mm. Height 1.5 m.

Code	Pack. Standard	Weight kg Standard	Volume in m <sup>3</sup> Standard
<b>19969</b>	1	10	0.080

**NOTE:** The water features do not include anchoring, pump, control panel nor suction system.



## WATER GAMES AND ORNAMENTAL WATER FEATURES

### Bell

In Stainless Steel AISI-316. Pipe: Ø 63 mm. Height 1.2 m.

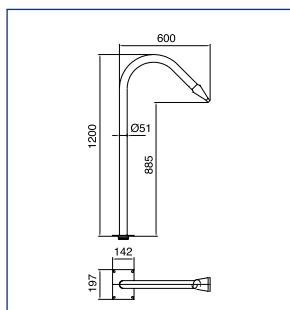
Code	Pack. Standard	Weight kg Standard	Volume in m <sup>3</sup> Standard
19971	1	9.2	0.274



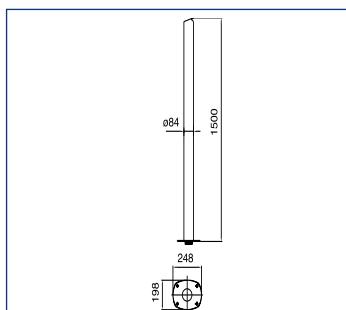
### Deluxe Cannon

Stainless Steel polished AISI-316. Pipe: Ø 63 mm. Height: 0.8 mm.

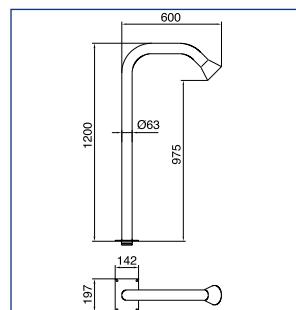
	Code	Pack. Standard	Weight kg Standard	Volume in m <sup>3</sup> Standard
Flat	19970	1	8.2	0.211
Circular	20132	1	9.4	0.209
6 outlets	20133	1	8.6	0.213



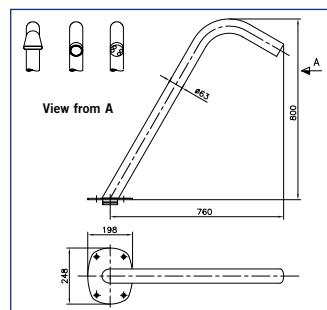
19968



19969



19971



19970-20132-20133

Code water feature	Face plate	Anchoring sockets	Suction		Pump	Control box		
			Concrete	Concrete Liner		Manual push button	Pneumatic push button Concrete	Pneumatic push button Liner
19968	19976	19983	19987 x 1	20091 x 1	38770	19988	07669	07868
19969	19978	19983	19987 x 1	20091 x 1	38770	19988	07669	07868
19970	-	19983	19987 x 1	20091 x 1	38770	19988	07669	07868
19971	19977	19983	19987 x 2	20091 x 2	38776	19989	17154	17155
20132	-	19983	19987 x 1	20091 x 1	38770	19988	07669	07868
20133	-	19983	19987 x 1	20091 x 1	38770	19988	07669	07868

Note: The pneumatic push button includes: control box, wall conduits and push button.

**NOTE:** The water features do not include anchoring, pump, control panel nor suction system.



## WATER GAMES AND ORNAMENTAL WATER FEATURES

### Mushrooms

In AISI-316 polished stainless steel. Column Ø 129 mm. Height 2.3 m

	Code	Pack. Standard	Weight kg Standard	Volume in m <sup>3</sup> Standard
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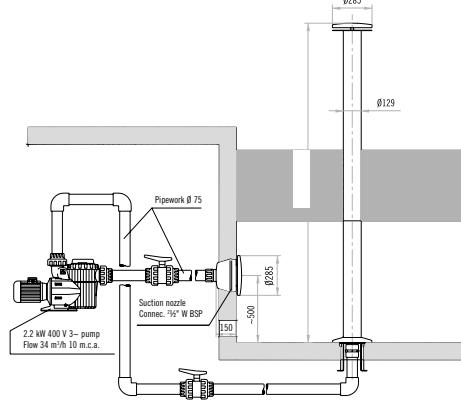
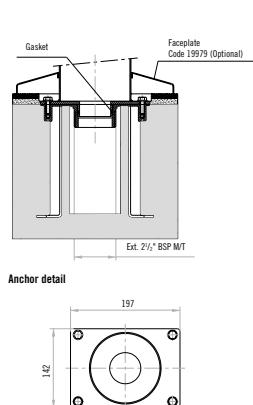
Mushroom Ø 285 mm

**19966**

1

24.8

0.273



Code water feature	Face plate	Anchoring sockets		Suction		Pump	Control box	
		Concrete	Liner	Concrete	Liner		Manual push button	Pneumatic push button
		Concrete	Liner	Concrete	Liner		Concrete	Liner
19966	19979	19983	15833	19987 x 3	20091 x 3	38780	19990	07537 07867

Note: The pneumatic push button includes: control box, wall conduits and push button.



### Umbrellas

In AISI-316 Stainless Steel polished column. Umbrella in polyester

	Code	Pack. Standard	Weight kg Standard	Volume in m <sup>3</sup> Standard
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Umbrella S, Ø 1100 mm

**22750**

1

30.0

0.450

Umbrella M, Ø 1500 mm

**22751**

1

85.0

1.900

Umbrella L, Ø 2000 mm

**22752**

1

110.0

2.400

Umbrella XL, Ø 2500 mm

**22753**

1

130.0

3.500

Column Ø 129 mm

**22754**

1

23.4

0.274

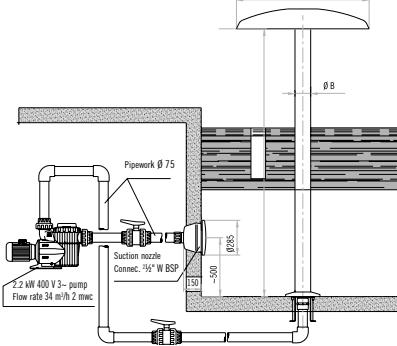
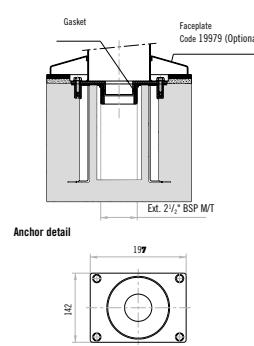
Column Ø 254 mm

**22755**

1

55.8

0.507



Parasol Ø	Canopy	Column	Face plate	Anchoring sockets		Suction		Pump	Control box	
				Concrete	Liner	Concrete	Liner		Manual push button	Pneumatic push button
				Concrete	Liner	Concrete	Liner		Concrete	Liner
1100	22750	22754	19979	19983	15833	19987 x 3	20091 x 3	38780	19990	07537 07867
1500	22751	22755	19980	19984	19986	19987 x 4	20091 x 4	08003	19991	— —
2000	22752	22755	19980	19984	19986	19987 x 4	20091 x 4	08003	19991	— —
2500	22753	22755	19980	19984	19986	19987 x 5	20091 x 5	08004	19992	— —

**NOTE:** The water features do not include anchoring, pump, control panel nor suction system.



## WATER GAMES AND ORNAMENTAL WATER FEATURES

### Water Mushroom Ø 250 mm

In AISI-316 stainless steel. Its fastening system allows it to be fitted in concrete or prefabricated pools. Column Ø 104 mm. Height 385 mm

	Code	Pack. Standard	Weight kg Standard	Volume in m <sup>3</sup> Standard
Matt finish	<b>34378</b>	1	5.4	0.34



### Water Mushroom Ø 400 mm

Made of AISI-316. It has been designed for installing in prefab. and concrete pools. Column Ø 129 mm. Height 460 mm.

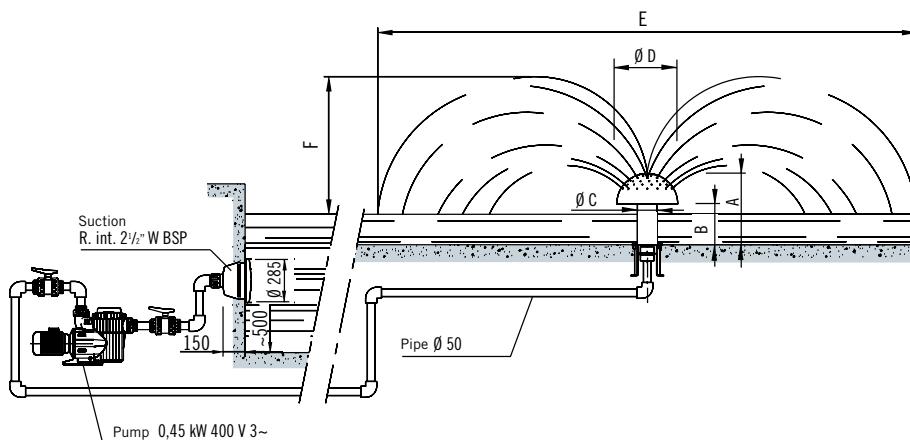
	Code	Pack. Standard	Weight kg Standard	Volume in m <sup>3</sup> Standard
Matt finish	<b>34381</b>	1	9.6	0.124



### Water Mushroom Ø 670 mm

Made of AISI-316. It has been designed for installing in prefab. and concrete pools. Column Ø 168 mm. Height 600 mm.

	Code	Pack. Standard	Weight kg Standard	Volume in m <sup>3</sup> Standard
Matt finish	<b>34384</b>	1	24.5	0.377



Mushroom Ø	Size in cm						Feature code	Anchoring sockets		Suction		Pump	Control box		
	A	B	Ø C	E	F			Concrete	Liner	Concrete	Liner		Manual push button	Pneumatic push button	
								Concrete	Liner	Concrete	Liner		Concrete	Liner	
250	385		104	5000	1500	<b>34378</b>									
400	460	270	129	6600	1700	<b>34381</b>	19983	15833	19987x1	20091x1	38770	19988	07669	07868	
670	600		168	7000	1800	<b>34384</b>									

**Note:** The pneumatic push button includes: control box, wall conduits and push button.

**NOTE:** The water features do not include anchoring, pump, control panel nor suction system.

## WATER GAMES AND ORNAMENTAL WATER FEATURES



### Concrete pool wall suction point

In AISI-316 Stainless Steel. Ø 285 mm. Suction point for water features. Connection 2½". Max. Recommended flow: 13 m³/h.

	Code	Pack. Standard	Weight kg Standard	Volume in m³ Standard
Concrete swimming pool	<b>19987</b>	1	2.9	0.018



### Prefabricated and liner pool wall suction point

In AISI-316 Stainless Steel. Ø 285 mm. Suction point for water features. Connection 2½". Max. Recommended flow: 13 m³/h.

	Code	Pack. Standard	Weight kg Standard	Volume in m³ Standard
Prefabricated and liner pool	<b>20091</b>	1	2.9	0.018



### Anchoring for liner pools

In AISI-316 Stainless Steel. Includes base for embedding, fixing plate, gaskets and earth connection. Connection 2½".

	Code	Pack. Standard	Weight kg Standard	Volume in m³ Standard
Rectangular anchoring	<b>19983</b>	1	2.1	0.012
Ø 254 mm anchoring	<b>19984</b>	1	9.8	0.113
600 mm wide anchoring	<b>19985</b>	1	6.4	0.039
1000 mm wide anchoring	<b>20135</b>	1	10.8	0.076



### Anchoring for liner pools

In AISI-316 Stainless Steel. Includes base for embedding, fixing plate, 3 gaskets and earth connection. Connection 2½".

	Code	Pack. Standard	Weight kg Standard	Volume in m³ Standard
Rectangular anchoring	<b>15833</b>	1	2.5	0.007
Ø 254 mm anchoring	<b>19986</b>	1	11.0	0.400



**19986**

**NOTE:** The water features do not include anchoring, pump, control panel nor suction system.

## WATER GAMES AND ORNAMENTAL WATER FEATURES

### Base cover



In polished Stainless Steel AISI-316.

Ø 51 mm

Code	Pack. Standard	Weight kg Standard	Volume in m <sup>3</sup> Standard
<b>19976</b>	1	1.0	0.008

### Base cover



In polished Stainless Steel AISI-316.

Ø 63 mm

Code	Pack. Standard	Weight kg Standard	Volume in m <sup>3</sup> Standard
<b>19977</b>	1	1.0	0.008

### Base cover



In polished Stainless Steel AISI-316.

Ø 84 mm

Code	Pack. Standard	Weight kg Standard	Volume in m <sup>3</sup> Standard
<b>19978</b>	1	0.9	0.006

### Base cover



In polished Stainless Steel AISI-316.

Ø 129 mm

Code	Pack. Standard	Weight kg Standard	Volume in m <sup>3</sup> Standard
<b>19979</b>	1	0.9	0.005

### Base cover



In polished Stainless Steel AISI-316.

Ø 254 mm

Code	Pack. Standard	Weight kg Standard	Volume in m <sup>3</sup> Standard
<b>19980</b>	1	0.9	0.006

**NOTE:** The water features do not include anchoring, pump, control panel nor suction system.

## WATER GAMES AND ORNAMENTAL WATER FEATURES



Base cover

600 mm curtain. Matt finish

	Code	Pack. Standard	Weight kg Standard	Volume in m <sup>3</sup> Standard
	<b>19981</b>	1	1.22	0.008



Base cover

600 mm curtain. Painted

	Code	Pack. Standard	Weight kg Standard	Volume in m <sup>3</sup> Standard
	<b>19982</b>	1	1.28	0.008



Control box – Manual

**Manual - control box**  
 0.45 kW (0.5 HP) 400 V III  
 1.1 kW (1.5 HP) 400 V III  
 2.2 kW (3.0 HP) 400 V III  
 2.65 kW (3.5 HP) 400 V III

	Code	Pack. Standard	Weight kg Standard	Volume in m <sup>3</sup> Standard
	<b>19988</b>	1	0.7	0.005
	<b>19989</b>	1	0.7	0.005
	<b>19990</b>	1	0.7	0.005
	<b>19991</b>	1	0.7	0.005



Control box pneumatic switch

Enables bathers to control water features from inside the pool. Includes control box, wall conduit, air pipe and pneumatic switch.

**For concrete pool**  
 2.2 kW (3.0 HP) 400 V III  
 0.45 kW (0.5 HP) 400 V III  
 1.1 kW (1.5 HP) 400 V III

**For prefabricated pools**  
 2.2 kW (3.0 HP) 400 V III  
 0.45 kW (0.5 HP) 400 V III  
 1.1 kW (1.5 HP) 400 V III

	Code	Pack. Standard	Weight kg Standard	Volume in m <sup>3</sup> Standard
	<b>07537</b>	1	3.1	0.02
	<b>07669</b>	1	3.1	0.02
	<b>17154</b>	1	3.1	0.02
	<b>07867</b>	1	3.2	0.02
	<b>07868</b>	1	3.2	0.02
	<b>17155</b>	1	3.2	0.02

All products must be installed at a depth of 30–40 cm. See the technical specifications on the following pages.

## WATER GAMES AND ORNAMENTAL WATER FEATURES

"Water plays help to create a leisure space where you can enjoy water activities in a fun,



### Hydra

Body of polyester reinforced with fiberglass.  
Outlet nozzles made of stainless steel AISI-304.  
Hardware made of S.S. AISI-304.

	Code	Pack. Standard	Weight kg Standard	Volume in m <sup>3</sup> Standard
Hydra	<b>66450</b>	1	-	-



### Crux

Body of polyester reinforced with fiberglass.  
Outlet nozzles are made of stainless steel AISI-304 and polyacetal.  
Hardware made of S.S. AISI-304.

	Code	Pack. Standard	Weight kg Standard	Volume in m <sup>3</sup> Standard
Crux	<b>66449</b>	1	-	-



### Corvus

Body of polyester reinforced with fiberglass.  
Outlet nozzles made of polyacetal (POM).  
Hardware made of S.S. AISI-304.

	Code	Pack. Standard	Weight kg Standard	Volume in m <sup>3</sup> Standard
Corvus	<b>66451</b>	1	-	-



### Rainbow Sunshade

Bodywork in polyester reinforced with fibreglass. AISI-304 stainless steel shaft.  
Outlet nozzles made of stainless steel AISI-304.  
Hardware made of S.S. AISI-304.

	Code	Pack. Standard	Weight kg Standard	Volume in m <sup>3</sup> Standard
Rainbow Sunshade	<b>66452</b>	1	-	-



### Palm

Shape made of polyester reinforced with fiberglass.  
Body made of stainless steel AISI-304.  
Outlet nozzles made of polyacetal (POM).  
Hardware made of S.S. AISI-304.

	Code	Pack. Standard	Weight kg Standard	Volume in m <sup>3</sup> Standard
Palm	<b>66453</b>	1	-	-



### Bow

Body made of stainless steel AISI-304.  
Polyacetal sprinklers.  
Hardware made of stainless steel.

	Code	Pack. Standard	Weight kg Standard	Volume in m <sup>3</sup> Standard
Bow	<b>66456</b>	1	-	-

All products must be installed at a depth of 30–40 cm. See the technical specifications on the following pages.

## WATER GAMES AND ORNAMENTAL WATER FEATURES



### Lamppost

Baskets made of fibreglass.  
Body made of stainless steel AISI-304.  
Outlet nozzles are made of stainless steel AISI-304.  
Hardware made of stainless steel AISI-304.

	Code	Pack. Standard	Weight kg Standard	Volume in m <sup>3</sup> Standard
Lamppost	<b>66454</b>	1	-	-



### Streetlight

Shape made of polyester reinforced with fiberglass.  
Body made of stainless steel AISI-304.  
Outlet nozzles made of stainless steel AISI-304.  
Hardware made of stainless steel AISI-304.

	Code	Pack. Standard	Weight kg Standard	Volume in m <sup>3</sup> Standard
Streetlight	<b>66455</b>	1	-	-



### Rainbow Mini Slide

Slide made of polyester reinforced with fiberglass.  
Panels made of 20 mm high density polythene.  
Hardware made of stainless steel AISI-304.

	Code	Pack. Standard	Weight kg Standard	Volume in m <sup>3</sup> Standard
Rainbow Mini Slide	<b>66457</b>	1	-	-



### Whale Mini Slide

Slide made of polyester reinforced with fiberglass.  
Panels made of 20 mm high density polythene.  
Hardware made of stainless steel AISI-304.

	Code	Pack. Standard	Weight kg Standard	Volume in m <sup>3</sup> Standard
Whale Mini Slide	<b>66458</b>	1	-	-



### Atlantic

Slide made of polyester reinforced with fiberglass.  
Posts made of AISI-304 stainless steel, coated in polyester paint.  
High-density 15 mm polyethylene panels.  
Outlet nozzles are made of stainless steel AISI-304 and polyacetal.  
Hardware made of stainless steel AISI-304.

	Code	Pack. Standard	Weight kg Standard	Volume in m <sup>3</sup> Standard
Atlantic	<b>66459</b>	1	-	-



## GAMES AND AQUATIC ORNAMENTS



Article to be installed at poolside at a depth of at least 110 cm.

## Active

Slide made of polyester reinforced with fiberglass.  
 Wooden posts  
 Panels made of 20 mm high density polythene.  
 Handrail and fasteners made of AISI-304 stainless steel.  
 Baseplates made of AISI-304 stainless steel.

	Code	Pack. Standard	Weight kg Standard	Volume in m <sup>3</sup> Standard
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Active      66460      1      -      -



## Bubbles

Slide made of polyester reinforced with fiberglass.  
 Posts made of AISI-304 stainless steel, coated in polyester paint.  
 High-density 15 mm polyethylene panels  
 Outlet nozzles made of polyacetal (POM).  
 Hardware made of stainless steel AISI-304.

	Code	Pack. Standard	Weight kg Standard	Volume in m <sup>3</sup> Standard
--	------	-------------------	-----------------------	--------------------------------------

Bubbles      66461      1      -      -



This product must be installed at a depth of 30–40 cm.

## TECHNICAL FEATURES

Code	Name	Floor plan dimensions (cm)	Maximum height of water feature (cm)	Required flow rate (l/min)	Pressure (bar)
66450	Hydra	Ø 87	161.5	120	1
66449	Crux	130 x 50	140	130	1
66451	Corvus	60 x 60	163.5	47	1
66452	Sunshade Rainbow	Ø 160	289.5	400	1
66453	Palm	Ø 223	350	120	1
66456	Bow	320	160	70	1
66454	Lamppost	Ø 79	345	120	1
66455	Streetlight	Ø 198	360	360	1
66457	Rainbow Mini Slide	279 x 630	105	-	-
66458	Whale Mini Slide	276 x 660	101	-	-
66459	Atlantic	331 x 108	412	850	1
66460	Active	575 x 423	275	48	1
66461	Bubbles	660 x 582	375	400	1

## GRILLES FOR OVERFLOW

### GENERAL NOTE FOR ALL MODELS

Made of PP stabilised against UV rays. The whole range comes in white. Ask your dealer about other colours.

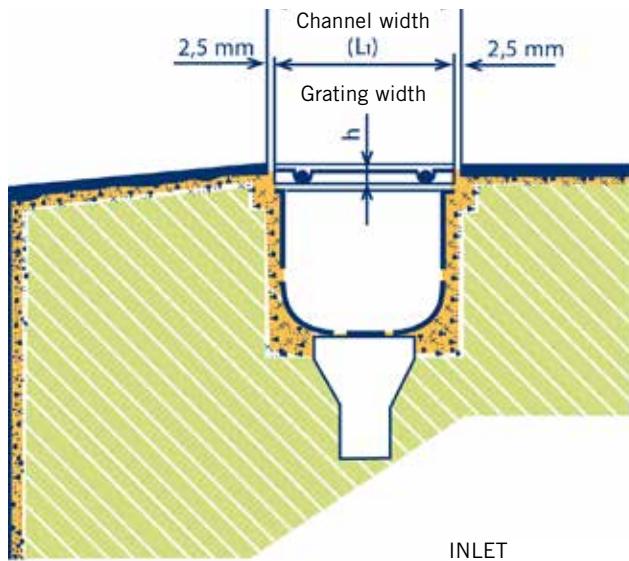
Made up of tiles in modules for straight and curved sections (outer radius of 1 or 2 m), they click into place (male-female fitting), which gives certain leeway in assembling them, as well as absorbing their potential expansion due to the temperature changes to which they are exposed.

For all models of grating, a channel 5 mm wider than the grating must be built so that it easily fits into place and any potential expansion is prevented.

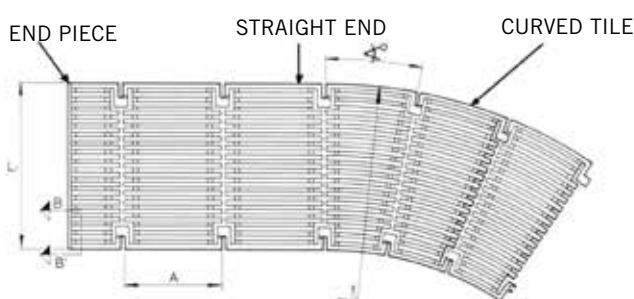
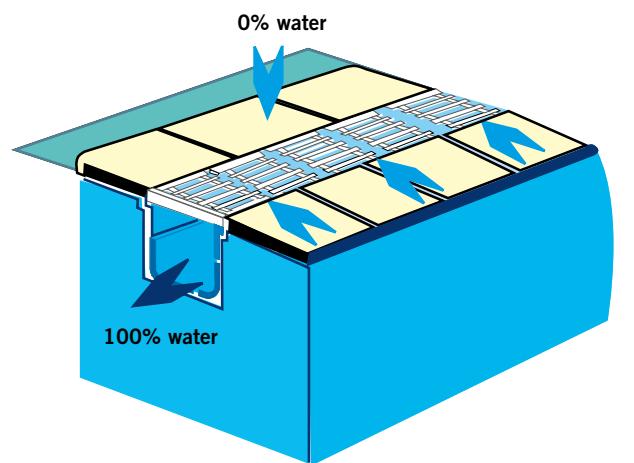
Channel width	Grating width
200.....	195
250.....	245
300.....	295
350.....	345

The height (h) of the grating varies depending on the model.

- Longitudinal model h = 24 mm
- Transversal model h = 22 mm and h = 35 mm



### LONGITUDINAL MODEL



DETAIL B-B'

The longitudinal design of this model ensures that any excess water from the pool is not allowed to overflow onto the pool deck, thus maintaining it practically dry.

	Model	L	L1	h	A	$\angle r.1m.$	$\angle r.2m.$
STRAIGHT END	05581	200	195	24	206	-	-
	05582	250	245	24	206	-	-
	05583	300	295	24	206	-	-
	05584	350	345	24	206	-	-
END PIECE	06420	200	195	24	-	-	-
	06421	250	245	24	-	-	-
	06422	300	295	24	-	-	-
	06423	350	345	24	-	-	-



Further information in **PRODUCTS**  
[www.astralpool.com](http://www.astralpool.com)

## GRILLES FOR OVERFLOW



### Longitudinal grating tile

Made of PP stabilised against UV rays. Grating fastened together using male-female hooks (5 units = 1,024 meters). The flexible properties of the grating means a radius of up to 5 m can be covered.

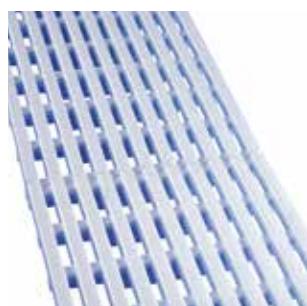
	Code	Pack. Standard	Weight kg Standard	Volume in m <sup>3</sup> Standard
Height 24 mm, width 195 mm	<b>05581</b>	45	16.2	0.080
Height 24 mm, width 245 mm	<b>05582</b>	29	13.4	0.080
Height 24 mm, width 291 mm	<b>05583</b>	28	15.6	0.080
Height 24 mm, width 345 mm	<b>05584</b>	19	13.2	0.080



### End piece kit for parallel grating

Made of AISI-304 stainless steel plate, with end piece and longitudinal grating made of PP stabilised against UV rays. Made so that the grating in the end piece can be cut to fit in place.

	Code	Pack. Standard	Weight kg Standard	Volume in m <sup>3</sup> Standard
Height 24 mm, width 195 mm	<b>16064</b>	1	0.380	0.001
Height 24 mm, width 245 mm	<b>16065</b>	1	0.432	0.002
Height 24 mm, width 291 mm	<b>16066</b>	1	0.525	0.002
Height 24 mm, width 345 mm	<b>16067</b>	1	0.655	0.002



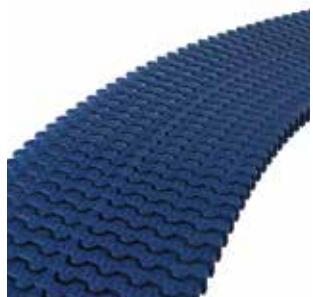
### Perimeter grating

Range of overflow grating for swimming pools. Made of homopolymer polypropylene, with additives for UV protection. Available in 500 mm long modules with male-female hooks for easy and fast assembly.

	Code	Pack. Standard	Weight kg Standard	Volume in m <sup>3</sup> Standard
0.5 m longitudinal grating Height 22 mm Width 195 mm	<b>28664</b>	20	19.9	0.080

Other grating colours can be made to order.  
 For further information, ask your AstralPool dealer.

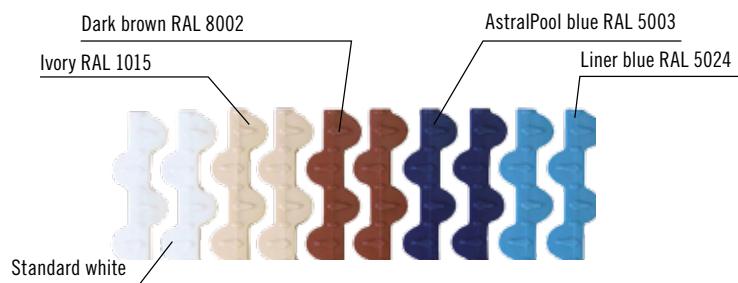
## GRILLES FOR OVERFLOW



### Modular transversal grating for curves

Made of PP stabilised against UV rays. Assembled by fitting the modules together. Compliant with standard EN-13451-1 (8 mm). Available in 5 colours. Other grating colours can be made to order. Total of 53 units per metre. For further information, please contact your AstralPool dealer.

	Code	Pack. Standard	Weight kg Standard	Volume in m <sup>3</sup> Standard
<b>MODULAR GRATING FOR CURVES</b>				
Height 22 mm, width 195 mm	34190	470	14.1	0.08
Height 22 mm, width 245 mm	34191	320	12.4	0.08
Height 22 mm, width 295 mm	34192	300	15.0	0.08
Height 22 mm, width 335 mm	34193	250	15.0	0.08
<b>REVERSIBLE MODULAR GRATING FOR CURVES</b>				
Height 35 mm, width 195 mm	34194	450	16.0	0.08
Height 35 mm, width 245 mm	34195	300	13.7	0.08
Height 35 mm, width 295 mm	34196	290	17.3	0.08
Height 35 mm, width 335 mm	34197	250	17.4	0.08



Colour	Code
White	-
RAL 1015	CL90
RAL 8002	CL109
RAL 5003	CL60
RAL 5024	CL 108



### Transversal grating for curves

Modular transversal grating for curves. Made of PP stabilised against UV rays. Assembled by fitting the modules together. Compliant with standard EN-13451-1 (8 mm). Class 3 slip resistance (Rd>45) pursuant to UNE-ENV 12633 and as specified in section SU1 of the Technical Building Code currently in force.

	Code	Pack. Standard	Weight kg Standard	Volume in m <sup>3</sup> Standard
<b>Height 22 mm, width 195 mm</b>				
Height 22 mm, width 195 mm	52535	470	14.1	0.08
Height 22 mm, width 245 mm	52536	320	12.4	0.08
Height 22 mm, width 295 mm	52537	300	15.0	0.08
Height 22 mm, width 335 mm	52538	250	15.0	0.08
<b>Height 35 mm, width 195 mm</b>				
Height 35 mm, width 195 mm	52539	450	16.0	0.08
Height 35 mm, width 245 mm	52540	300	13.7	0.08
Height 35 mm, width 295 mm	52541	290	17.3	0.08
Height 35 mm, width 335 mm	52542	250	17.4	0.08

Other grating colours can be made to order.  
For further information, ask your AstralPool dealer.

Other grating colours can be made to order.  
For further information, ask your AstralPool dealer.



## GRILLES FOR OVERFLOW

### Modular transversal grating for curves

Made of PP stabilised against UV rays. Assembled by fitting the modules together. Total of 45 units per metre.

	Code	Pack. Standard	Weight kg Standard	Volume in m <sup>3</sup> Standard
<b>MODULAR GRATING FOR CURVES</b>				
Height 22 mm, width 195 mm	11107	470	15.8	0.080
Height 22 mm, width 245 mm	11108	320	13.6	0.080
Height 22 mm, width 295 mm	19202	300	18.0	0.080
Height 22 mm, width 335 mm	19203	250	17.0	0.080
<b>REVERSIBLE MODULAR GRATING FOR CURVES</b>				
Height 35 mm, width 195 mm	00220	450	16.5	0.080
Height 35 mm, width 245 mm	00221	300	14.3	0.080
Height 35 mm, width 295 mm	00222	290	19.3	0.080
Height 35 mm, width 335 mm	00223	250	18.1	0.080



### MODULAR GRATING FOR CURVES

Made of PP stabilised against UV rays. Assembled by fitting the modules together. Non-slip surface. Other colours available on request. For further information, please contact your AstralPool dealer.

	Code	Pack. Standard	Weight kg Standard	Volume in m <sup>3</sup> Standard
<b>Height 22 mm, width 195 mm</b>				
Height 22 mm, width 195 mm	28656	470	20.84	0.082
Height 22 mm, width 245 mm	28657	320	18.80	0.082
Height 22 mm, width 295 mm	28658	300	18.80	0.082
Height 22 mm, width 335 mm	28659	250	20.84	0.082
<b>Height 35 mm, width 195 mm</b>				
Height 35 mm, width 195 mm	28660	450	26.90	0.082
Height 35 mm, width 245 mm	28661	300	24.70	0.082
Height 35 mm, width 295 mm	28662	290	26.61	0.082
Height 35 mm, width 335 mm	28663	250	22.25	0.082



### Transversal grating

Made of PP stabilised against UV rays. Fastened together by a pass-through cable (49 units per metre).

	Code	Pack. Standard	Weight kg Standard	Volume in m <sup>3</sup> Standard
<b>Height 22 mm, width 195 mm</b>				
Height 22 mm, width 195 mm	00212	340	11.9	0.039
Height 22 mm, width 245 mm	00213	305	13.2	0.039



### Stainless steel plastic coated cable

Ø 2.5 mm for fastening modules together.

	Code	Pack. Standard	Weight kg Standard	Volume in m <sup>3</sup> Standard
Stainless steel plastic coated cable	00214	1000 m	21.0	0.036



### AISI-316 stainless steel plastic coated cable

Ø 2.5 mm for fastening modules together.

	Code	Pack. Standard	Weight kg Standard	Volume in m <sup>3</sup> Standard
AISI-316 stainless steel plastic coated cable	00215	1000 m	21.0	0.036



Further information in **PRODUCTS**  
[www.astralpool.com](http://www.astralpool.com)

## GRILLES FOR OVERFLOW



### Cable locking pins

Made of brass.

Cable locking pins

	Code	Pack. Standard	Weight kg Standard	Volume in m <sup>3</sup> Standard
Cable locking pins	00216	100	1.5	0.001



### Transversal grating tile

Made of PP stabilised against UV rays. Tiles fitted together using a snap fastening system (5 units = 0.975 m).

Height 22 mm, width 245 mm  
 Height 22 mm, width 295 mm  
 Height 22 mm, width 335 mm

	Code	Pack. Standard	Weight kg Standard	Volume in m <sup>3</sup> Standard
Height 22 mm, width 245 mm	00217	52	22.8	0.080
Height 22 mm, width 295 mm	00218	45	23.1	0.080
Height 22 mm, width 335 mm	00219	38	22.0	0.080

Other grating colours can be made to order.

For further information, ask your AstralPool dealer.



### Grating support profile

Suitable for grating heights of 22, 24 and 35 mm. Made of weather resistant plastic. Supplied in 2 m strips. Inside measurements: 24 mm x 37 mm.

Available in other colours. For further information, ask your dealer.

Grating support profile

	Code	Pack. Standard	Weight kg Standard	Volume in m <sup>3</sup> Standard
Grating support profile	00224	25	13.2	0.033



### 90° corner tiles for overflow channels

Made of white, injection moulded copolymer polypropylene.

Height 22 mm, channel width 195 mm  
 Height 22 mm, channel width 245 mm  
 Height 22 mm, channel width 295 mm  
 Height 22 mm, channel width 335 mm  
 Height 35 mm, channel width 195 mm  
 Height 35 mm, channel width 245 mm  
 Height 35 mm, channel width 295 mm  
 Height 35 mm, channel width 335 mm

	Code	Pack. Standard	Weight kg Standard	Volume in m <sup>3</sup> Standard
Height 22 mm, channel width 195 mm	22379	4	2.8	0.006
Height 22 mm, channel width 245 mm	22380	4	3.6	0.009
Height 22 mm, channel width 295 mm	22381	4	4.8	0.012
Height 22 mm, channel width 335 mm	22382	4	5.7	0.016
Height 35 mm, channel width 195 mm	22383	4	3.2	0.009
Height 35 mm, channel width 245 mm	22384	4	4.1	0.014
Height 35 mm, channel width 295 mm	22385	4	5.3	0.012
Height 35 mm, channel width 335 mm	22386	4	6.2	0.023

Other grating colours can be made to order.

For further information, ask your AstralPool dealer.



Further information in **PRODUCTS**  
[www.astralpool.com](http://www.astralpool.com)

## GRILLES FOR OVERFLOW



### Stainless steel longitudinal grating

Longitudinal grating made of stainless steel. A channel 5 mm wider than the grating must be dug so that it is easy to fit.

It is made up of straight sections of AISI-316 stainless steel, 500 mm in length. Straight sections can be made to measure in order to fit the length of any pool.

There are 4 different models depending on the grating used. Height 35 mm

	Complies with Standard <b>EN 13451-1:2000</b>		Complies with standards <b>EN 16582-1</b> <b>EN 16713-2</b>
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	Code	Pack. Standard	Weight kg Standard	Volume in m <sup>3</sup> Standard
Stainless steel 195 mm longitudinal grating	<b>32415</b>	-	-	-
Stainless steel 245 mm longitudinal grating	<b>32416</b>	-	-	-
Stainless steel 295 mm longitudinal grating	<b>32417</b>	-	-	-
Stainless steel 345 mm longitudinal grating	<b>32418</b>	-	-	-



### Stainless steel reinforced grating



New

AISI-304 stainless steel grating, compliant with standard EN: 1345-1:2000. Resistant to salt water. Intended for use in both residential and public pools.



	Code	Pack. Standard	Weight kg Standard	Volume in m <sup>3</sup> Standard
Reinforced 252 x 252 mm grating	<b>70956</b>	1	-	-
Reinforced 410 x 410 mm grating	<b>70957</b>	1	-	-

**70956**

**70957**



Complies with Standard  
**EN 13451-1:2000**

## COMMERCIAL POOLS - POOL SHELL EQUIPMENT

### Concrete pools

- 448 • Main drains
- 450 • Main drain accessories
- 451 • Drain grilles
- 452 • ABS inlets
- 453 • S.S. inlets

### Liner and prefabricated pool

- 454 • Main drains
- 456 • Main drain accessories
- 457 • ABS inlets
- 459 • S.S. inlets



Further information in **PRODUCTS**  
www.astralpool.com

## CONCRETE POOL - DRAINS

All main drains in the range are supplied with UV protection.  
To prevent the risk of suction, install the main drains according to local regulations.  
Recommended use:  

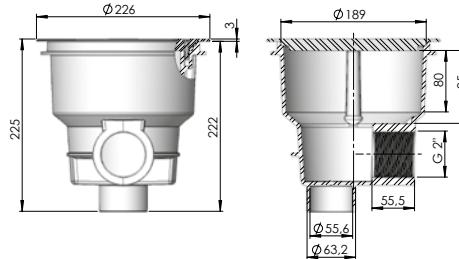
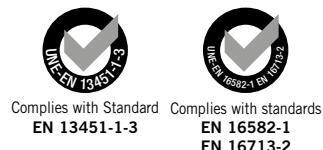
- Maximum suction rate of 0.5 m/s.
- Install at least 2 main drains, each with a suction capacity able to handle the pool's full flow rate.



### NORM main drain

Range of main drains suitable for public and private swimming pools. Supplied with flat or antivortex grilles. Manufactured in white ABS with UV treatment, fitted with a 2" side outlet and a 1 ½" bottom outlet connection, bottom outlet covered by semi-die cut tab.

	Code	Pack. Standard	Weight kg Standard	Volume in m <sup>3</sup> Standard
Flat grating - White	56378	4	10.60	0.069
Flat grating - Beige	56378CL090	4	10.60	0.069
Flat grating - Light grey	56378CL129	4	10.60	0.069
Flat grating - Anthracite grey	56378CL144	4	10.60	0.069
Antivortex grating - White	56379	4	10.60	0.069



### Main drain with square cover in stainless steel. 2" outlet

2" side outlet. Manufactured in stainless steel. AISI-316. Antivortex lid. Can be used in concrete and prefabricated pools with a 00276 adapter (see page 130). Maximum flow rate: 6 m<sup>3</sup>/h.



	Code	Pack. Standard	Weight kg Standard	Volume in m <sup>3</sup> Standard
	00269	1	1.14	0.01

### NORM main drain in polyester and fibreglass - 330 mm x 330 mm

Range of main drains manufactured in polyester resin and fibreglass. Grille in stainless steel or plastic. Optional hydrostatic valve.



Grille in stainless steel	Code	Pack. Standard	Weight kg Standard	Volume in m <sup>3</sup> Standard
Outlet connect. Grille to be glued				
Ø 75 mm S.S.	20282N	1	8	0.08
Ø 90 mm S.S.	20283N	1	9	0.08
Ø 110 mm S.S.	20284N	1	10	0.08

Plastic grille	Code	Pack. Standard	Weight kg Standard	Volume in m <sup>3</sup> Standard
Outlet connect. Grille to be glued				
Ø 75 mm Plastic	22359N	1	8	0.08
Ø 90 mm Plastic	22360N	1	9	0.08
Ø 110 mm Plastic	22361N	1	10	0.08
Ø 125 mm Plastic	22362N	1	11	0.08

Complies with Standard

EN 13451-1/3 2012

Minimum depth of installation: 1.5 m. Maximum recommended flow rate down drain: 103 m<sup>3</sup>/h (0.5 m/s).

## CONCRETE POOL - DRAINS



Optional standard American size and antivortex in standard American size

Model in polyester and fibreglass - 330 mm x 330 mm

With a gelcoat finish. With optional hydrostatic valve.

	Code	Pack. Standard	Weight kg Standard	Volume in m <sup>3</sup> Standard
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**Grille in stainless steel. AISI-316. Holes < 8 mm**

**Outlet connection Grille Flow rate**

**to be glued**

Ø 75 mm	AISI-316	16 m <sup>3</sup> /h	<b>20282</b>	1	5	0.047
Ø 90 mm	AISI-316	22 m <sup>3</sup> /h	<b>20283</b>	1	5	0.047
Ø 110 mm	AISI-316	33 m <sup>3</sup> /h	<b>20284</b>	1	5	0.047

Grille in ABS plastic with protection against UV rays.

**Outlet connection Grille Flow rate**

**to be glued**

Ø 75 mm	Plastic	16 m <sup>3</sup> /h	<b>22359</b>	1	4.5	0.034
Ø 90 mm	Plastic	22 m <sup>3</sup> /h	<b>22360</b>	1	4.5	0.034
Ø 110 mm	Plastic	33 m <sup>3</sup> /h	<b>22361</b>	1	4.5	0.034
Ø 125 mm	Plastic	43 m <sup>3</sup> /h	<b>22362</b>	1	4.5	0.034

Maximum recommended flow rate in accordance with standard EN 13451-1.



Complies with Standard  
**EN 13451-1/3 2012**

Optional:  
Standard American sizes

TheirNORM main drain in polyester and fibreglass - 512 mm x 512 mm

Range of drains manufactured in polyester resin and fibreglass. Grille in AISI-316 stainless steel or plastic. Optional hydrostatic valve.

	Code	Pack. Standard	Weight kg Standard	Volume in m <sup>3</sup> Standard
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**Grille in stainless steel**

**Outlet connection Grille Flow rate**

**to be glued**

Ø 110 mm	S.S.	42 m <sup>3</sup> /h	<b>20285N</b>	1	16	0.23
Ø 125 mm	S.S.	51 m <sup>3</sup> /h	<b>20286N</b>	1	17	0.23
Ø 140 mm	S.S.	66 m <sup>3</sup> /h	<b>20287N</b>	1	18	0.23
Ø 160 mm	S.S.	95 m <sup>3</sup> /h	<b>20288N</b>	1	19	0.23
Ø 200 mm	S.S.	103 m <sup>3</sup> /h	<b>20289N</b>	1	20	0.23

**Plastic grille**

**Outlet connection Grille Flow rate**

**to be glued**

Ø 110 mm	Plastic	42 m <sup>3</sup> /h	<b>28709N</b>	1	15	0.23
Ø 125 mm	Plastic	51 m <sup>3</sup> /h	<b>28710N</b>	1	16	0.23
Ø 140 mm	Plastic	66 m <sup>3</sup> /h	<b>28711N</b>	1	17	0.23
Ø 160 mm	Plastic	95 m <sup>3</sup> /h	<b>28712N</b>	1	18	0.23
Ø 200 mm	Plastic	103 m <sup>3</sup> /h	<b>28713N</b>	1	19	0.23

Minimum depth of installation: 1.5 m. Maximum recommended flow rate down drain: 103 m<sup>3</sup>/h (0.5 m/s).



Further information in **PRODUCTS**  
www.astralpool.com

## CONCRETE POOL - DRAINS



Model in polyester and fibreglass - 512 mm x 512 mm

With a gelcoat finish. With optional hydrostatic valve.



Grille in AISI-316 stainless steel. Holes < 8 mm

Outlet connection Grille Flow rate

to be glued

Ø 110 mm	AISI-316	33 m <sup>3</sup> /h	<b>20285</b>	1	11.5	0.132
Ø 125 mm	AISI-316	43 m <sup>3</sup> /h	<b>20286</b>	1	11.5	0.132
Ø 140 mm	AISI-316	54 m <sup>3</sup> /h	<b>20287</b>	1	11.5	0.132
Ø 160 mm	AISI-316	70 m <sup>3</sup> /h	<b>20288</b>	1	11.5	0.132
Ø 200 mm	AISI-316	100 m <sup>3</sup> /h	<b>20289</b>	1	11.5	0.132

Grille in ABS plastic with protection against UV rays.

Outlet connection Grille Flow rate

to be glued

Ø 110 mm	Plastic	33 m <sup>3</sup> /h	<b>28709</b>	1	11.5	0.132
Ø 125 mm	Plastic	43 m <sup>3</sup> /h	<b>28710</b>	1	11.5	0.132
Ø 140 mm	Plastic	54 m <sup>3</sup> /h	<b>28711</b>	1	11.5	0.132
Ø 160 mm	Plastic	70 m <sup>3</sup> /h	<b>28712</b>	1	11.5	0.132
Ø 200 mm	Plastic	100 m <sup>3</sup> /h	<b>28713</b>	1	11.5	0.132

Maximum recommended flow rate in accordance with standard EN 13451-1.

## CONCRETE POOL - DRAIN ACCESSORIES



### Hydrostatic valve

To alleviate the pressure that can build up under the pool shell due to groundwater, it is recommended that a hydrostatic valve and a drainage pipe be fitted to the main drain. Hydrostatic valve to be fitted to the 2" bottom outlet on main drains. Made of white ABS, with stainless steel screw and spring. 1½" male thread.

Code	Pack. Standard	Weight kg Standard	Volume in m <sup>3</sup> Standard
<b>00277</b>	4	1.0	0.003



### Drainage pipe

Drainage pipe with 1½" BSP thread connection for main drains with code numbers 01466, 27837 and 27839. Made of ABS.

Code	Pack. Standard	Weight kg Standard	Volume in m <sup>3</sup> Standard
<b>21581</b>	24	3.54	0.021

## CONCRETE POOL - DRAIN GRILLES



### Flush-fit antivortex cover

Special flush-fit design that enables pool cleaners to go over it without blocking it up. Smooth slopes.

The 415 mm x 415 mm cover (25344) can be fitted to the following main drains:

#### With stainless steel grille:

- 20282
- 20283
- 20284

#### With plastic grille:

- 22359
- 22360
- 22361
- 22362

The 570 mm x 570 mm cover (28556) can be fitted to the following main drains:

#### With stainless steel grille:

- 20285
- 20286
- 20287
- 20288

#### With plastic grille:

- 28709
- 28710
- 28711
- 28712

415 mm x 415 mm, Height: 70 mm  
570 mm x 570 mm, Height: 60 mm

Code	Pack. Standard	Weight kg Standard	Volume in m <sup>3</sup> Standard
<b>25344</b>	1	2.25	0.012
<b>28556</b>	1	4.00	0.032



Complies with Standard  
**EN 13451-3**



### Drain grille in stainless steel

Designed for concrete pools. Support frame and grille in polished stainless steel. Supplied with fixing screws. Other sizes can be made to order.

Code	Pack. Standard	Weight kg Standard	Volume in m <sup>3</sup> Standard
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#### AISI-304

##### Size (mm)    Max. recommended flow rate

200 x 200	15 m <sup>3</sup> /h (0.5 m/s)	00284	1	1.2	0.01
300 x 300	43 m <sup>3</sup> /h (0.5 m/s)	00285	1	2.2	0.01
400 x 400	83 m <sup>3</sup> /h (0.5 m/s)	00286	1	4.0	0.03
500 x 500	136 m <sup>3</sup> /h (0.5 m/s)	00287	1	4.5	0.04

Complies with Standard  
**EN 13451-3**



Complies with standards  
**EN 16582-1**  
**EN 16713-2**

#### AISI-316

##### Size (mm)    Max. recommended flow rate

200 x 200	15 m <sup>3</sup> /h (0.5 m/s)	30764	1	1.2	0.01
300 x 300	43 m <sup>3</sup> /h (0.5 m/s)	30765	1	2.2	0.01
400 x 400	83 m <sup>3</sup> /h (0.5 m/s)	30766	1	4.0	0.03
500 x 500	136 m <sup>3</sup> /h (0.5 m/s)	30767	1	4.5	0.04



Further information in **PRODUCTS**  
www.astralpool.com

## CONCRETE POOL - ABS INLETS



Complies with standards  
**EN 16582-1**  
**EN 16713-2**

### Return inlet/suction nozzle for high flow rates

Return inlet for large flow rates that can also be used as a suction nozzle. Maximum suction flow rate of 30m<sup>3</sup>/h for a maximum flow rate speed of 4 m/s. Maximum suction flow rate of 5 m<sup>3</sup>/h for a maximum flow rate speed of 0.5 m/s. PVC body. Connection for Ø 75 or Ø 90mm pipe. Inlets can be installed into bushing 43590 (see page 135). Grille can be adjusted in any direction.

	Code	Pack. Standard	Weight kg Standard	Volume in m <sup>3</sup> Standard
Return inlet/suction nozzle for large flows and concrete pools	<b>41520</b>	16	4.20	0.021

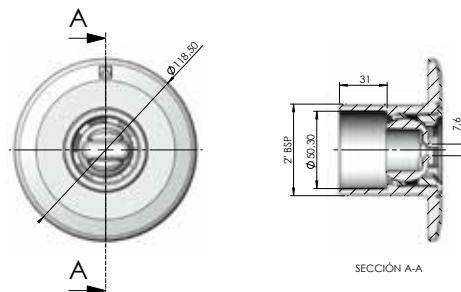


Complies with Standard  
**13451-1-3**

### NORM return inlets

Range of inlets suitable for installation in public and private pools. Manufactured in white ABS with UV treatment.

	Code	Pack. Standard	Weight kg Standard	Volume in m <sup>3</sup> Standard
NORM return inlet for concrete pools	<b>56498</b>	24	4.5	0.020



**00303**



**00303CL090**



**00303CL129**



**00303CL144**

### Pool floor return inlet

All-in-one return inlet and suction nozzle. Adjustable flow rate. Made of ABS plastic and screws in stainless steel. Maximum recommended flow rate compliant with standard EN 13451-1: 12 m<sup>3</sup>/h.

	Code	Pack. Standard	Weight kg Standard	Volume in m <sup>3</sup> Standard
<b>Outer 2" thread, Ø 50 mm inner wall</b>				
white	<b>00303</b>	24	5.0	0.020
Beige	<b>00303CL090</b>	24	5.0	0.020
Light Grey	<b>00303CL129</b>	24	5.0	0.020
Anthracite grey	<b>00303CL144</b>	24	5.0	0.020
<b>NPT outlets</b>	<b>19821</b>	24	5.0	0.020
To glue onto Ø 63 mm PN 6, inner Ø 50 mm	<b>20140</b>	20	4.4	0.021



Complies with Standard  
**13451-1-3**



Complies with standards  
**EN 16582-1**  
**EN 16713-2**



### 3" adjustable pool floor return inlet

Made of white ABS plastic. Suction. Flow rate adjusted by turning the grille. Suction surface area: 0.015 m<sup>2</sup>. Outer Ø 295 mm wall. Flow rate (0.4 m/s) 20 m<sup>3</sup>/h. Max. recommended flow rate compliant with standard EN 13451-1: 26 m<sup>3</sup>/h (0.5 m/s.).

	Code	Pack. Standard	Weight kg Standard	Volume in m <sup>3</sup> Standard
Grille in AISI-304 stainless steel	<b>08317</b>	2	2.65	0.047
Grille in white ABS	<b>11796</b>	2	2.65	0.047

## CONCRETE POOL - ABS INLETS



## Pool floor return inlet with swivel joint

Swivel body in PVC. Cover in ABS. Adjuster screw in POM. Maximum flow rate of 10 m<sup>3</sup>/h. Fits to Ø 75 mm piping and wall conduit with code number 21248.

Code	Pack. Standard	Weight kg Standard	Volume in m <sup>3</sup> Standard
22353	24	4.1	0.022
22353CL090	24	4.1	0.022
22353CL129	24	4.1	0.022
22353CL144	24	4.1	0.022

Complies with Standard UNE-EN 13451-1-3  
Complies with standards EN 16582-1  
EN 16713-2

## Suction inlet



To be glued to a Ø 63 mm pipe. Body and grille in ABS plastic, screws in stainless steel. Its characteristics make this nozzle particularly suitable for overflow channels. Maximum flow rate: 7 m<sup>3</sup>/h.

Code	Pack. Standard	Weight kg Standard	Volume in m <sup>3</sup> Standard
00302	12	3.1	0.016

## CONCRETE POOL - STAINLESS STEEL INLETS



## Adjustable pool floor return inlet

2" external thread. Made of AISI-316 stainless steel. Can be fitted in concrete and prefabricated pools. The water flow can be adjusted by loosening or tightening the central screw. Max. recommended flow rate compliant with standard EN 13451-3: 14 m<sup>3</sup>/h.

Code	Pack. Standard	Weight kg Standard	Volume in m <sup>3</sup> Standard
15839	1	0.9	0.002

Complies with Standard UNE-EN 13451-1-3  
Complies with standards EN 16582-1  
EN 16713-2



## Adjustable return inlet

Manufactured in chrome-plated brass. Grille in AISI-316 stainless steel.

Code	Pack. Standard	Weight kg Standard	Volume in m <sup>3</sup> Standard
00312	12	7.0	0.013
00313	6	10.0	0.014

Max. flow rate: 21 m<sup>3</sup>/h 2" inner thread  
Max. flow rate: 40 m<sup>3</sup>/h 3" inner thread

Complies with Standard UNE-EN 13451-1-3  
Complies with standards EN 16582-1  
EN 16713-2



Further information in **PRODUCTS**  
www.astralpool.com

## LINER AND PRE-FABRICATED POOL - DRAINS

All main drains in the range are supplied with UV protection.  
To prevent the risk of suction, install the main drains according to local regulations.

Recommended use:

- Maximum suction rate of 0.5 m/s.
- Install at least 2 main drains, each with a suction capacity able to handle the pool's full flow rate.



56380



56382



56382CL090



56382CL129



56382CL144



Complies with Standard  
EN 13451-1-3



Complies with standards  
EN 16582-1  
EN 16713-2

### NORM main drain

New range of main drains suitable for installation in public and private pools. Supplied with flat or antivortex grilles. Manufactured in white ABS with UV treatment, fitted with a 2" side outlet and a 1 ½" bottom outlet connection, bottom outlet covered by semi-die cut tab.

	Code	Pack. Standard	Weight kg Standard	Volume in m <sup>3</sup> Standard
Flat grating with inserts - White	56380	4	10.60	0.069
Flat grating with inserts - Beige	56380CL090	4	10.60	0.069
Flat grating with inserts - Light grey	56380CL129	4	10.60	0.069
Flat grating with inserts - Anthracite grey	56380CL144	4	10.60	0.069
Flat grating without inserts - White	56381	4	10.60	0.069
Flat grating without inserts - Beige	56381CL090	4	10.60	0.069
Flat grating without inserts - Light grey	56381CL129	4	10.60	0.069
Flat grating without inserts - Anthracite grey	56381CL144	4	10.60	0.069
Antivortex grating with inserts - White	56382	4	10.60	0.069
Antivortex grating with inserts - Beige	56382CL090	4	10.60	0.069
Antivortex grating with inserts - Light grey	56382CL129	4	10.60	0.069
Antivortex grating with inserts - Anthracite grey	56382CL144	4	10.60	0.069
Antivortex grating without inserts - White	56383	4	10.60	0.069
Antivortex grating without inserts - Beige	56383CL090	4	10.60	0.069
Antivortex grating without inserts - Light grey	56383CL129	4	10.60	0.069
Antivortex grating without inserts - Anthracite grey	56383CL144	4	10.60	0.069



Complies with Standard  
EN 13451-1-3



Complies with standards  
EN 16582-1  
EN 16713-2

### NORM main drain in polyester and fibreglass - 355 mm x 355 mm

Range of main drains manufactured in polyester resin and fibreglass. Grille in stainless steel or plastic. Optional hydrostatic valve.



Complies with Standard  
13451-1-3

Code	Pack. Standard	Weight kg Standard	Volume in m <sup>3</sup> Standard
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Grille in stainless steel

**Outlet connection Grille Flow rate  
to be glued**

Ø 75 mm	Stainless steel	15 m <sup>3</sup> /h
Ø 90 mm	Stainless steel	23 m <sup>3</sup> /h
Ø 110 mm	Stainless steel	27 m <sup>3</sup> /h

20074N	1	8	0.08
20075N	1	9	0.08
20290N	1	10	0.08

Plastic grille

**Outlet connection Grille Flow rate  
to be glued**

Ø 75 mm	Plastic	15 m <sup>3</sup> /h
Ø 90 mm	Plastic	23 m <sup>3</sup> /h
Ø 110 mm	Plastic	28 m <sup>3</sup> /h
Ø 125 mm	Plastic	37 m <sup>3</sup> /h

22416N	1	8	0.08
22417N	1	9	0.08
22418N	1	10	0.08
22419N	1	11	0.08

Optional standard American size and antivortex in standard American size

Minimum depth of installation: 1.5 m.  
Maximum recommended flow rate down drain: 103 m<sup>3</sup>/h (0.5 m/s).

## LINER AND PRE-FABRICATED POOL - DRAINS



Complies with Standard  
13451-1-3

Optional standard American  
size and antivortex in  
standard American size

## NORM main drain in polyester and fibreglass - 515 mm x 515 mm

Range of main drains manufactured in polyester resin and fibreglass. Grille in stainless steel or plastic. Optional hydrostatic valve.

	Code	Pack. Standard	Weight kg Standard	Volume in m <sup>3</sup> Standard
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Grille in stainless steel

**Outlet connection Grille to be glued**

Ø 110 mm	Stainless steel	42 m <sup>3</sup> /h	<b>20076N</b>	1	16	0.23
Ø 125 mm	Stainless steel	51 m <sup>3</sup> /h	<b>20077N</b>	1	17	0.23
Ø 140 mm	Stainless steel	66 m <sup>3</sup> /h	<b>20078N</b>	1	18	0.23
Ø 160 mm	Stainless steel	95 m <sup>3</sup> /h	<b>20079N</b>	1	19	0.23
Ø 200 mm	Stainless steel	103 m <sup>3</sup> /h	<b>20291N</b>	1	20	0.23

Plastic grille

**Outlet connection Grille to be glued**

Ø 110 mm	Plastic	42 m <sup>3</sup> /h	<b>28722N</b>	1	15	0.23
Ø 125 mm	Plastic	51 m <sup>3</sup> /h	<b>28723N</b>	1	16	0.23
Ø 140 mm	Plastic	66 m <sup>3</sup> /h	<b>28724N</b>	1	17	0.23
Ø 160 mm	Plastic	95 m <sup>3</sup> /h	<b>28725N</b>	1	18	0.23
Ø 200 mm	Plastic	103 m <sup>3</sup> /h	<b>28726N</b>	1	19	0.23

Minimum depth of installation: 1.5 m.

Maximum recommended flow rate down drain: 103 m<sup>3</sup>/h (0.5 m/s).



## Main drain in polyester and fibreglass - 355 mm x 355 mm

Made of fibreglass-reinforced polyester. With a gelcoat finish. Comes with gaskets, flange and screws. Holes < 8 mm. Outlet connection to be glued. With optional hydrostatic valve.

	Code	Pack. Standard	Weight kg Standard	Volume in m <sup>3</sup> Standard
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Grille in AISI-316 stainless steel

**Outlet connection Grille to be glued**

Ø 75 mm	AISI-316	16 m <sup>3</sup> /h	<b>20074</b>	1	6.5	0.047
Ø 90 mm	AISI-316	22 m <sup>3</sup> /h	<b>20075</b>	1	6.5	0.047
Ø 110 mm	AISI-316	33 m <sup>3</sup> /h	<b>20290</b>	1	6.5	0.047

Max. recommended flow rate: 33.5 m<sup>3</sup>/h (0.5 m/s)

Recommended flow rate: 20 m<sup>3</sup>/h (0.3 m/s)



Grille in ABS plastic with protection against UV rays.

**Outlet connection Grille to be glued**

Ø 75 mm	Plastic	18 m <sup>3</sup> /h	<b>22416</b>	1	6.5	0.047
Ø 90 mm	Plastic	27 m <sup>3</sup> /h	<b>22417</b>	1	6.5	0.047
Ø 110 mm	Plastic	42 m <sup>3</sup> /h	<b>22418</b>	1	6.5	0.047
Ø 125 mm	Plastic	45 m <sup>3</sup> /h	<b>22419</b>	1	6.5	0.047

Max. recommended flow rate: 45 m<sup>3</sup>/h (0.5 m/s)

Recommended flow rate: 27 m<sup>3</sup>/h (0.3 m/s)

Optional:  
Standard American sizes



Further information in **PRODUCTS**  
www.astralpool.com

## LINER AND PRE-FABRICATED POOL - DRAINS



### Main drain in polyester and fibreglass - 515 mm x 515 mm

With a gelcoat finish. Grille in AISI-316 stainless steel. Comes with gaskets, flanges and screws. Holes < 8 mm. Outlet connection to be glued. Recommended flow rate: 62 m<sup>3</sup>/h (0.3 m/s). Max. recommended flow rate: 103 m<sup>3</sup>/h (0.5 m/s.). With optional hydrostatic valve.

	Code	Pack. Standard	Weight kg Standard	Volume in m <sup>3</sup> Standard
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Grille in AISI-316 stainless steel

**Outlet connection Grille Flow rate  
to be glued**

Ø 110 mm	AISI-316	42 m <sup>3</sup> /h	<b>20076</b>	1	1.4	0.132
Ø 125 mm	AISI-316	51 m <sup>3</sup> /h	<b>20077</b>	1	1.4	0.132
Ø 140 mm	AISI-316	66 m <sup>3</sup> /h	<b>20078</b>	1	1.4	0.132
Ø 160 mm	AISI-316	95 m <sup>3</sup> /h	<b>20079</b>	1	1.4	0.132
Ø 200 mm	AISI-316	103 m <sup>3</sup> /h	<b>20291</b>	1	1.4	0.132

Grille in ABS plastic with protection against UV rays.

**Outlet connection Grille Flow rate  
to be glued**

Ø 110 mm	Plastic	42 m <sup>3</sup> /h	<b>28722</b>	1	1.4	0.132
Ø 125 mm	Plastic	51 m <sup>3</sup> /h	<b>28723</b>	1	1.4	0.132
Ø 140 mm	Plastic	66 m <sup>3</sup> /h	<b>28724</b>	1	1.4	0.132
Ø 160 mm	Plastic	95 m <sup>3</sup> /h	<b>28725</b>	1	1.4	0.132
Ø 200 mm	Plastic	103 m <sup>3</sup> /h	<b>28726</b>	1	1.4	0.132

## LINER AND PRE-FABRICATED POOL - MAIN DRAIN ACCESSORIES



### Hydrostatic valve

To alleviate the pressure that can build up under the pool shell due to groundwater, it is recommended that a hydrostatic valve and a drainage pipe be fitted to the main drain. Hydrostatic valve to be fitted to the 2" bottom outlet on main drains. Made of white ABS, with stainless steel screw and spring. 1½" male thread.

	Code	Pack. Standard	Weight kg Standard	Volume in m <sup>3</sup> Standard
	<b>00277</b>	4	1.0	0.003



### Drainage pipe

Drainage pipe with 1½" BSP thread connection for main drains with code numbers 00270, 07880, 27838, 26197 and 27125. Made of ABS.

	Code	Pack. Standard	Weight kg Standard	Volume in m <sup>3</sup> Standard
	<b>21581</b>	24	3.54	0.021

## LINER AND PRE-FABRICATED POOL - MAIN DRAIN ACCESSORIES



Flush-fit antivortex cover

Special flush-fit design that enables pool cleaners to go over it without blocking it up.

The 415 mm x 415 mm cover (25344) can be fitted to the following main drains:

**With stainless steel grille:**

- 20074 -22416
- 20075 -22417
- 20290 -22418
- 22419

**With plastic grille:**

The 570 mm x 570 mm cover (28556) can be fitted to the following main drains:

**With stainless steel grille:**

- 20076 -28722
- 20077 -28723
- 20078 -28724
- 20079 -28725

**With plastic grille:**

415 mm x 415 mm. Height: 70 mm  
570 mm x 570 mm. Height: 60 mm

	Code	Pack. Standard	Weight kg Standard	Volume in m <sup>3</sup> Standard
	<b>25344</b>	1	2.25	0.012
	<b>28556</b>	1	3.90	0.015



Complies with Standard  
EN 13451-1:2000

## LINER AND PRE-FABRICATED POOL - ABS INLETS

## NORM return inlets

Range of inlets suitable for installation in public and private pools. Manufactured in white ABS with UV treatment.



56499

56499CL090

56499CL129

56499CL144

- For prefabricated/liner pools - White
- For prefabricated/liner pools - Beige
- For prefabricated/liner pools - Light grey
- For prefabricated/liner pools - Anthracite grey
- For prefabricated pools - White
- For prefabricated pools - Beige
- For prefabricated pools - Light grey
- For prefabricated pools - Anthracite grey

	Code	Pack. Standard	Weight kg Standard	Volume in m <sup>3</sup> Standard
	<b>56499</b>	12	4.5	0.020
	<b>56499CL090</b>	12	4.5	0.020
	<b>56499CL129</b>	12	4.5	0.020
	<b>56499CL144</b>	12	4.5	0.020
	<b>56500</b>	24	4.5	0.020
	<b>56500CL090</b>	24	4.5	0.020
	<b>56500CL129</b>	24	4.5	0.020
	<b>56500CL144</b>	24	4.5	0.020



Complies with Standard  
EN 13451-1-3



Further information in **PRODUCTS**  
www.astralpool.com

## LINER AND PRE-FABRICATED POOL - ABS INLETS



Complies with Standard  
13451-1-3 Complies with standards  
EN 16582-1  
EN 16713-2

### Pool floor return inlet for prefabricated pools

Return nozzle. Comes with gaskets, flanges and screws. Adjustable flow rate. Max. flow rate: 12 m<sup>3</sup>/h.

	Code	Pack. Standard	Weight kg Standard	Volume in m <sup>3</sup> Standard
<b>2" outer thread and Ø 50 mm inner wall</b>				
white	<b>00340</b>	12	5.4	0.020
Beige	<b>00340CL090</b>	12	5.4	0.020
Light Grey	<b>00340CL129</b>	12	5.4	0.020
Anthracite grey	<b>00340CL144</b>	12	5.4	0.020
<b>2" outer thread with NPT outlets</b>	<b>11584</b>	12	5.4	0.020
To be glued Ø 63 mm PN 6 outer wall, Ø 50 mm inner	<b>20139</b>	12	5.4	0.021



### BCN03 pool floor return inlet

Adjustable pool floor return inlet for liner pools. Designed to be glued to the inside of PN6 and PN10 piping. Made of white ABS, with self-tapping screws or with metal inserts. Plastic or stainless steel flange, depending on the model. Maximum flow rate: 9.5 m<sup>3</sup>/h.

	Code	Pack. Standard	Weight kg Standard	Volume in m <sup>3</sup> Standard
PN6 self-tapping plastic flange	<b>28230</b>	12	3.25	0.031
With PN6 plastic flange inserts	<b>28231</b>	12	3.55	0.031
PN10 self-tapping stainless steel flange	<b>28501</b>	12	4.24	0.031
With PN10 stainless steel inserts	<b>28502</b>	12	4.54	0.031

Complies with Standard  
13451-1-3 Complies with standards  
EN 16582-1  
EN 16713-2



### BCN03 adjustable pool floor return inlet

Pool floor return inlet for liner pools. Thanks to the adjustable feature, its installation in the pool floor is made extremely easy as it can be fitted after the concrete has been laid with wall conduit 43590.

	Code	Pack. Standard	Weight kg Standard	Volume in m <sup>3</sup> Standard
With plastic flange inserts	<b>43586</b>	12	2.04	0.033
Plastic self-tapping flange	<b>43587</b>	12	2.04	0.033
With stainless steel flange inserts	<b>43588</b>	12	2.04	0.033
Self-tapping stainless steel flange	<b>43589</b>	12	2.04	0.033

Complies with Standard  
13451-1-3 Complies with standards  
EN 16582-1  
EN 16713-2



### 3" adjustable pool floor return inlet

Made of white ABS. Suction. Comes with gaskets, flanges and screws. Flow rate adjusted by turning the grille. Suction surface area: 0.015 m<sup>2</sup>. Flow rate at 0.4 m/s: 20 m<sup>3</sup>/h. Max. recommended flow rate: 26 m<sup>3</sup>/h. (0.5 m/s.).

	Code	Pack. Standard	Weight kg Standard	Volume in m <sup>3</sup> Standard
Grille in AISI-304 stainless steel	<b>08316</b>	2	2.65	0.047
Grille in white ABS	<b>11795</b>	2	2.65	0.047

## LINER AND PRE-FABRICATED POOL - ABS INLETS



## Double gasket kit

Kit made up of a double gasket and the screws necessary for the installation of nozzles in panel pools. Made of TPE, the kit enables the installation of various accessories in pool shells and protects the panelling from coming into contact with water. Easy to install. Prevents corrosion of the panelling in the area that has been die cut.

Inserts for nozzles

	Code	Pack. Standard	Weight kg Standard	Volume in m <sup>3</sup> Standard
Inserts for nozzles	<b>43455-0500</b>	80	-	0.035



## Return inlet/suction nozzle for high flow rates

Return inlet for large flow rates that can also be used as a suction nozzle. Maximum suction flow rate of 30m<sup>3</sup>/h for a maximum flow rate speed of 4 m/s. Maximum suction flow rate of 5 m<sup>3</sup>/h for a maximum flow rate speed of 0.5 m/s. PVC body. Connection for Ø 75 or Ø 90 mm pipe. Inlets can be installed into bushing 43590.

Panel pools  
Prefabricated pools

	Code	Pack. Standard	Weight kg Standard	Volume in m <sup>3</sup> Standard
Panel pools	<b>41518</b>	10	5.50	0.021
Prefabricated pools	<b>41521</b>	12	4.20	0.021



## Suction nozzle for overflow pools with liner

PVC body. Maximum flow rate of 7 m<sup>3</sup>/h for a maximum flow rate velocity of 0.5 m/s. Connection for Ø 75 or Ø 90 piping. Nozzle with double gasket. Thanks to the design of the flange, the nozzle is able to take in all of the water in the overflow channel.

	Code	Pack. Standard	Weight kg Standard	Volume in m <sup>3</sup> Standard
	<b>41519</b>	12	4.83	0.021

## LINER AND PRE-FABRICATED POOL - STAINLESS STEEL INLETS



## Adjustable pool floor return inlet

2" external thread. Made of AISI-316 stainless steel. Can be fitted in concrete and prefabricated pools. The water flow can be adjusted by loosening or tightening the central screw. Max. recommended flow rate compliant with standard EN 13451-3: 14 m<sup>3</sup>/h.

	Code	Pack. Standard	Weight kg Standard	Volume in m <sup>3</sup> Standard
	<b>15839</b>	1	0.9	0.002



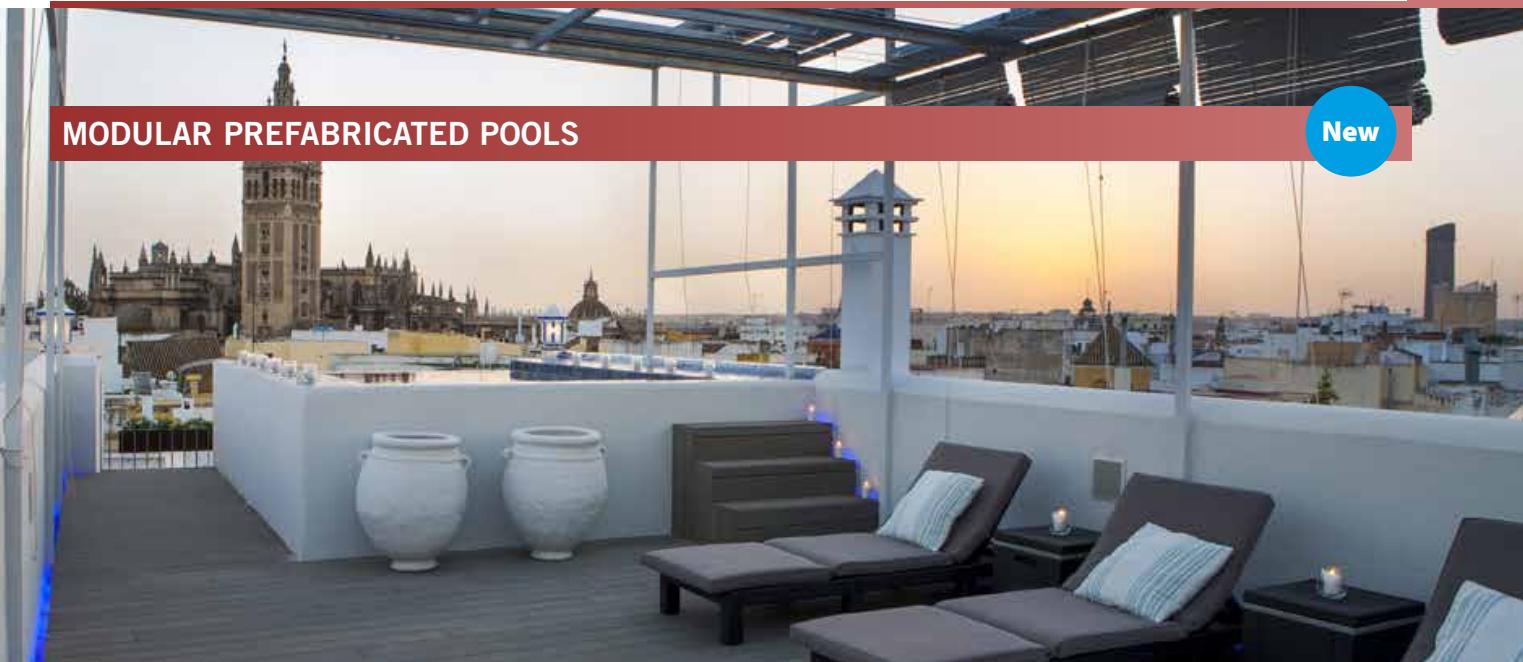
Complies with Standard  
EN 13451-1-3



Complies with standards  
EN 16582-1  
EN 16713-2

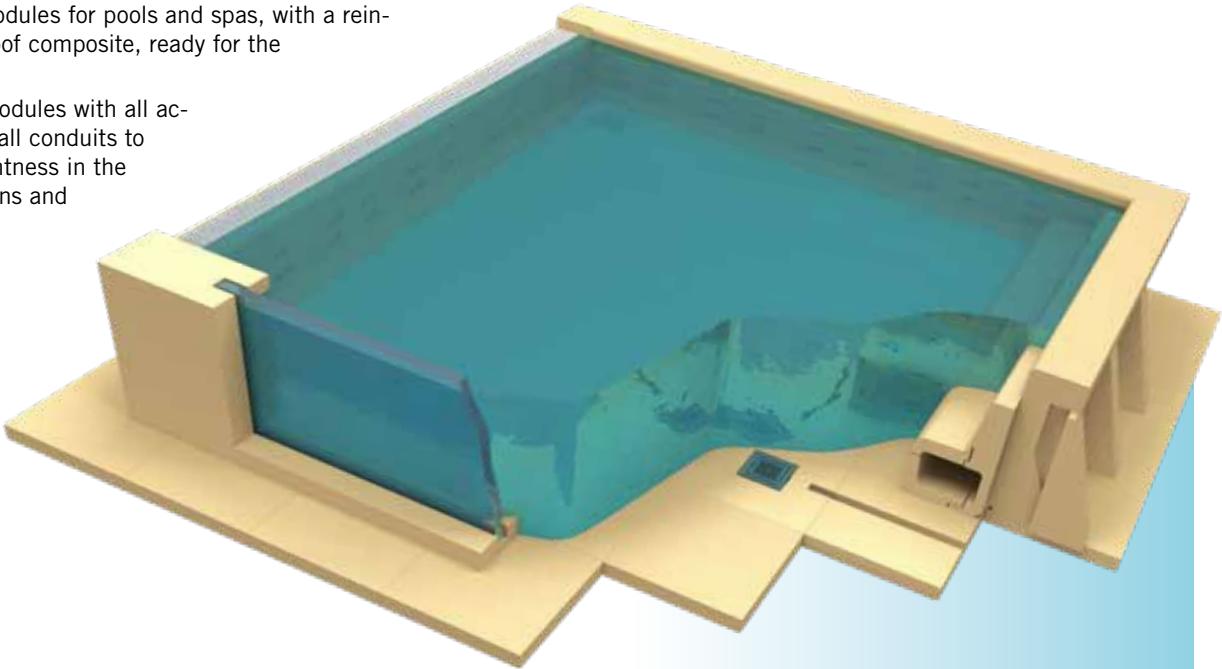
## MODULAR PREFABRICATED POOLS

New



Freestanding modules for pools and spas, with a reinforced, waterproof composite, ready for the final coating.

Prefabricated modules with all accessories and wall conduits to ensure watertightness in the event of vibrations and water hammer.



The thermal expansion coefficient of our prefabricated modules is far superior to that of concrete, as a result of which they do not crack over time because structural movement due to expansion and contraction are absorbed.

Ideal for refurbishments, roof tops, basements, etc. Their modular design makes them extremely easy to transport and work freely on the building site.

Exclusive designs without any restrictions, thanks to our computer-controlled systems that enable our clients to come up with their own designs without the need for casts, thus avoiding manual errors.

The prefabricated component parts make it possible to build and refurbish pools to the designers exact specifications, as well as enabling a pool to have exactly the same finish as a traditional one.



Installation on complex sites



Modular and freestanding



Energy savings



Resistant to water load  
Lightweight framework



Prefabricated system

## MODULAR PREFABRICATED POOLS

New



The top finish can be directly applied to the insulation material, which protects it from potential condensation between gaps that give rise to the proliferation of micro-organisms that are a health hazard for humans.

Hardly any power loss ( $\lambda = 0,033 \text{ W/mK}$ ) in comparison with concrete ( $\lambda = 2,30 \text{ W/mK}$ ), which means it pays for itself in a very short space of time.



To ask for a quote,  
contact your area  
sales rep.

## COMPARATIVE POWER CONSUMPTION TABLE

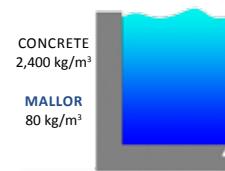
**86%**  
savings



Energy conductivity figures as shown in the Spanish Technical Building Code (CTE).

## LIGHTWEIGHT FRAMEWORK

**2320kg**  
lighter per  $\text{m}^3$



## COMPARATIVE WATER VOLUME TABLE

**920kg**  
lighter per  $\text{m}^3$



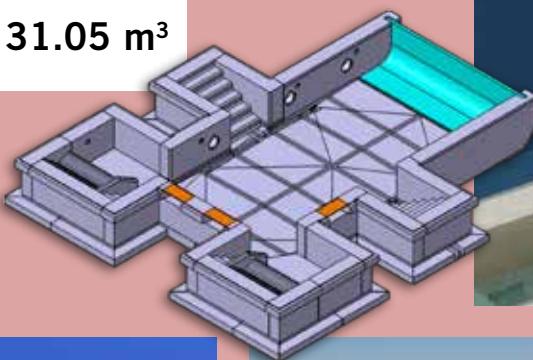
Volume of compact bench 0.27  $\text{m}^3$

## MODULAR PREFABRICATED POOLS - ONE-OFF PROJECTS

New

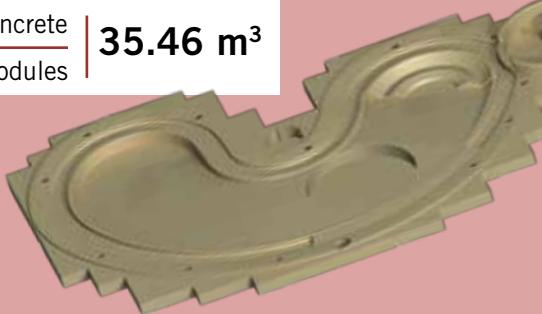
## IBEROSTAR BAHIA PALMA pool

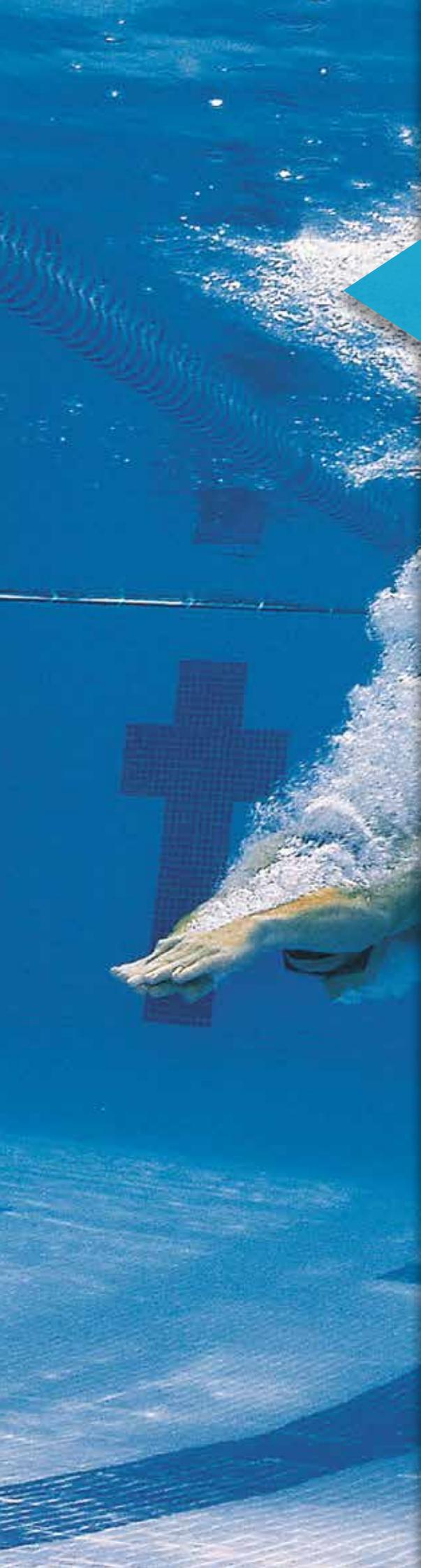
74,520 kg concrete | **31.05 m<sup>3</sup>**  
2,484 kg prefabricated modules



## CALDEA KIDS pool

85,104 kg concrete | **35.46 m<sup>3</sup>**  
2,837 kg prefabricated modules





## COMMERCIAL POOLS - FILTRATION

- 464 • Coding for public swimming pool filtration
- 465 • Laminated filters
- 470 • Bobbin wound filters
- 495 • Valve manifolds
- 497 • Control boxes
- 498 • Supports for valve manifolds
- 499 • Filtration media & accessories

## PUBLIC POOL FILTRATION CODING

### Coding

The filter code is composed of eight digits. The first five digits correspond to the filter code and the last three digits correspond to the model – this information is given in the tables below.

This codification system is used for the Praga, Oslo, Olot, Ampuria, Rodas, Vic, Europe, Vesubio and Delta filters.

Position	1	2	3	4	5	-	6	7	8
----------	---	---	---	---	---	---	---	---	---

Position 1 to 5: Five digit code of the standard product.

Position 6 Specifies the nozzle plate and vinyester options	
0	Filter without nozzle plate
1	Filter with nozzle plate
2	Vinyester finish
3	With plate and vinyester

Position 7 Specifies side opening options	
0	Without nozzle plates
1	1 Ø 225 mm manhole
2	1 Ø 400 mm manhole
3	2 Ø 225 mm manholes
4	2 Ø 400 mm manholes
5	1 Ø 500 mm manhole
6	1 Ø 600 mm manhole

Position 8 Specifies sightglass options	
0	Without sightglasses
1	1 sightglass for laminated filter
2	1 Ø 135 mm sightglass
3	2 Ø 135 mm sightglasses
4	2 Ø 225 mm manholes

**Notes:** Rodas filters with nozzle plates are not available.

Ø 500 mm side opening for filters as of Ø 1050 mm.

Ø 600 mm side opening for filters as of Ø 1800 mm.

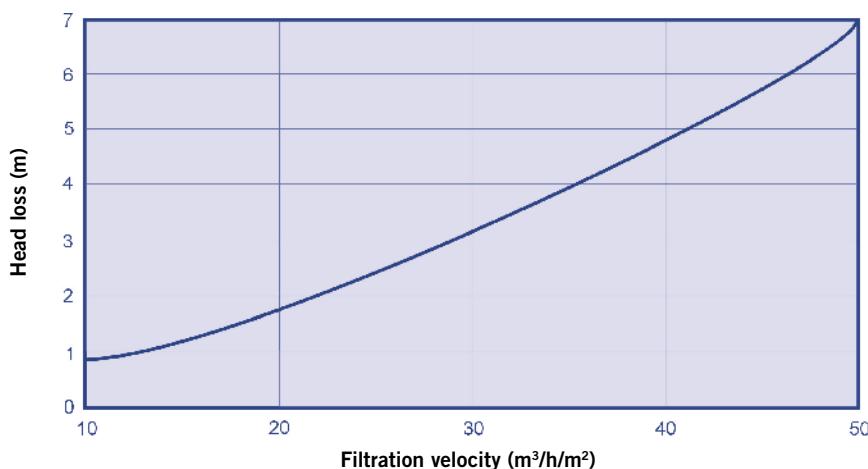
Maximum vinyester option of 0.5 ppm.

Please enquire pricing for various options:

- Vinyester finish
- Ø 225 mm and Ø 400 mm manhole
- Sightglass
- Plate

### Head loss curve

Filters from Ø 1050 mm to Ø 3000 mm



Filtration bed  
1 m

## LAMINATED FILTERS

Optional:  
Standard American sizes

## Vesubio filters - Commercial pool series

Made of polyester resin and fibreglass. Equipped with pressure gauge, and manual air and water purge valves. Ø 400 mm cover Suitable for filtration speeds of 20, 30, 40 and 50 m<sup>3</sup>/h/m<sup>2</sup>. Please ask your dealer for other speeds. All filters can be assembled with valve manifolds. 2½" sand discharge outlet.

Maximum pressure: 2.5 kg/cm<sup>2</sup>.

Filtration bed 1 m

Diameter Ø mm	Filtration velocity m <sup>3</sup> /h/m <sup>2</sup>	Outlet Ø mm	Flow rate m <sup>3</sup> /h	Code	Standard Packaging	Standard Weight Kg	Standard Volume m <sup>3</sup>
1050	20	63	17	41304	1	110	2.25
	30/40	75	25/34	41305	1	110	2.25
	50	90	43	41306	1	110	2.25
1200	20/30	75	22/33	41307	1	125	3.37
	40/50	90	45/56	41308	1	125	3.37
1400	20	75	30	41309	1	152	4.41
	30	90	46	41310	1	152	4.41
	40/50	110	61/77	41311	1	152	4.41
1600	20	90	40	41312	1	185	5.66
	30/40	110	60/80	41313	1	185	5.66
	50	125	100	41314	1	185	5.66
1800	20	90	50	41315	1	257	7.40
	30	110	76	41316	1	257	7.40
	40	125	101	41317	1	257	7.40
	50	140	125	41318	1	257	7.40
2000	20	110	62	41319	1	360	9.48
	30	125	94	41320	1	360	9.48
	40	140	125	41321	1	360	9.48
	50	160	157	41322	1	360	9.48

Ø D (mm)	Filtration velocity (m <sup>3</sup> /h/m <sup>2</sup> )	Code	Connections		Flow rate (m <sup>3</sup> /h)	Pool volume (8h) (m <sup>3</sup> )	Filtration surface (m <sup>2</sup> )	C (mm)	A (mm)	B (mm)	Ø D (mm)	Sand load (kg)	Gravel load (kg)	Grade 1 glass load (57011) (kg)	Grade 2 glass load (57012) (kg)	Grade 3 glass load (57013) (kg)
			mm	inches												
1050	20	41304	63	2"	17	136	0,86	1545	465	500	760	1125	175	678	221	244
	30/40	41305	75	2½"	25/34	200/272										
	50	41306	90	3"	43	344										
1200	20/30	41307	75	2½"	22/33	176/264	1,13	1730	675	500	850	1350	275	846	276	304
	40/50	41308	90	3"	45/56	360/448										
1400	20	41309	75	2½"	30	240	1,54	1845	725	500	1085	1850	350	1146	374	412
	30	41310	90	3"	46	368										
	40/50	41311	110	4"	61/77	488/616										
1600	20	41312	90	3"	40	320	2,01	1850	710	500	1230	2723	450	1654	540	595
	30/40	41313	110	4"	60/80	480/640										
	50	41314	125	4½"	100	800										
1800	20	41315	90	3"	50	400	2,54	1915	755	570	1370	3175	550	1941	634	698
	30	41316	110	4"	76	608										
	40	41317	125	4½"	101	808										
	50	41318	140	5"	125	1000										
2000	20	41319	110	4"	62	496	3,14	2030	775	570	1560	3650	675	2253	736	810
	30	41320	125	4½"	94	752										
	40	41321	140	5"	125	1000										
	50	41322	160	6"	157	1256										

NB: Options coding according to table on page 464

Filtration bed  
1 m



DOES NOT INCLUDE  
VALVE MANIFOLD

\* May be coupled with  
2" multiport valve

\*\*May be coupled with  
2½" multiport valve.

Optional:  
Standard American sizes

## LAMINATED FILTERS

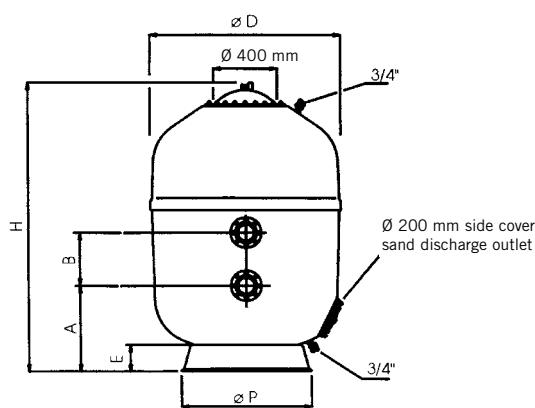
### Europe filters

Made of polyester resin and fibreglass. Equipped with pressure gauge, and manual air and water purge valves. Ø 400 mm cover Suitable for filtration speeds of 20, 30, 40 and 50 m<sup>3</sup>/h/m<sup>2</sup>. Please ask your dealer for other speeds. All filters can be assembled with valve manifolds. 2½" sand discharge outlet.

Maximum pressure: 2.5 kg/cm<sup>2</sup>.

Filtration bed 1 m

Diameter Ø mm	Filtration velocity m <sup>3</sup> /h/m <sup>2</sup>	Outlet Ø mm	Flow rate m <sup>3</sup> /h	Code	Standard Packaging	Standard Weight Kg	Standard Volume m <sup>3</sup>
1050	20*	63	17	20070	1	125	2.823
	30/40**	75	25/34	20071	1	125	2.823
	50	90	43	20072	1	125	2.823
1200	20/30	75	22/33	20068	1	150	3.597
	40/50	90	45/56	20069	1	150	3.597
1400	20	75	30	21497	1	214	4.90
	30	90	46	21498	1	214	4.90
	40/50	110	61/77	21499	1	214	4.90
1600	20	90	40	21500	1	230	6.50
	30/40	110	60/80	21501	1	230	6.50
	50	125	100	21502	1	230	6.50
1800	20	90	50	21503	1	344	8.80
	30	110	76	21504	1	344	8.80
	40	125	101	21505	1	344	8.80
	50	140	125	21506	1	344	8.80
2000	20	110	62	21507	1	435	10.58
	30	125	94	21508	1	435	10.58
	40	140	125	21509	1	435	10.58
	50	160	157	21510	1	435	10.58
2350	20	125	87	33820	1	600	15.70
	30	140	130	33822	1	600	15.70
	40	160	174	33824	1	600	15.70
	50	200	217	33826	1	600	15.70
2500	20	140	100	34302	1	630	-
	30	160	150	34303	1	630	-
	40	200	200	34304	1	630	-
	50	225	225	34305	1	630	-



Ø (mm)	1050	1200	1400	1600	1800	2000	2350	2500
Depth of sand medium (m)	1	1	1	1	1	1	1	1
H (mm)	1860	1860	2000	2100	2200	2200	2430	2525
B (mm)	270*	350	400	400	400	400	400	500
A (mm)	540	570	615	710	725	805	950	1015
Ø P (mm)	760	850	1083	1230	1370	1558	1830	1830
E (mm)	170	180	240	250	270	300	355	-
Filtration surface areas (m <sup>2</sup> )	0,86	1,13	1,54	2,01	2,54	3,14	4,34	4,9
Volume (l)	1250	1575	2185	2965	3850	4850	7230	9385
Sand load (kg)	1050	1360	1820	2375	3010	3750	5000	5600
Gravel load (kg)	265	325	410	515	760	1060	2000	2920
Grade 1 glass load (57011) (kg)	683	876	1160	1504	1959	2497	3622	4395
Grade 2 glass load (57012) (kg)	223	286	379	491	640	816	1183	1436
Grade 3 glass load (57013) (kg)	246	315	417	541	705	898	1302	1580
Total operating weight (kg)	2060	2600	3500	4700	6150	7800	10786	13800

\* For 2" multiport valve the height will be 230 mm.

NB: Options coding according to table on page 464

Filtration bed  
1.2 m

## LAMINATED FILTERS



DOES NOT INCLUDE  
VALVE MANIFOLD

Optional:  
Standard American sizes

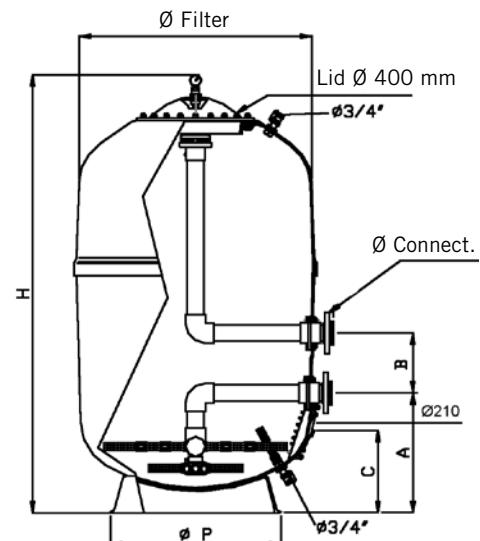
### Europe filters

Maximum pressure: 2.5 kg/cm<sup>2</sup>.

Filtration bed 1.2 m

Diameter Ø mm	Filtration velocity m <sup>3</sup> /h/m <sup>2</sup>	Outlet Ø mm	Flow rate m <sup>3</sup> /h	Code	Standard Packaging	Standard Weight Kg	Standard Volume m <sup>3</sup>
1050	20*	63	17	31857	1	140	3.04
	30/40**	75	25/34	31858	1	140	3.04
	50	90	43	31859	1	140	3.04
1200	20/30	75	22/33	31860	1	155	3.89
	40/50	90	45/56	31861	1	155	3.89
1400	20	75	30	21511	1	215	6.27
	30	90	46	21512	1	215	6.27
	40/50	110	61/77	21513	1	215	6.27
1600	20	90	40	21514	1	255	8.31
	30/40	110	60/80	21515	1	255	8.31
	50	125	100	21516	1	255	8.31
1800	20	90	50	21517	1	385	10.65
	30	110	76	21518	1	385	10.65
	40	125	101	21519	1	385	10.65
	50	140	125	21520	1	385	10.65
2000	20	110	62	21521	1	425	12.90
	30	125	94	21522	1	425	12.90
	40	140	125	21523	1	425	12.90
	50	160	157	21524	1	425	12.90
2350	20	125	87	33821	1	630	16.80
	30	140	130	33823	1	630	16.80
	40	160	174	33825	1	630	16.80
	50	200	217	33827	1	630	16.80
2500	20	140	100	34306	1	860	-
	30	160	150	34307	1	860	-
	40	200	200	34308	1	860	-
	50	225	225	34309	1	860	-

Ø (mm)	1050	1200	1400	1600	1800	2000	2350	2500
Depth of sand medium (m)	1,2	1,2	1,2	1,2	1,2	1,2	1,2	1,2
H (mm)	2060	2060	2200	2300	2400	2400	2630	2675
B (mm)	270	350	400	400	400	400	400	500
A (mm)	540	570	615	710	725	805	950	1015
Ø P (mm)	760	850	1085	1230	1370	1560	1830	1830
E (mm)	170	180	240	250	270	300	355	-
Filtration surface areas (m <sup>2</sup> )	0,86	1,13	1,54	2,01	2,54	3,14	4,34	4,90
Volume (l)	1500	1900	2650	3560	4620	5820	8060	-
Sand load (kg)	1300	1660	2220	2950	3680	4600	6130	6680
Gravel load (kg)	265	325	410	515	760	1060	2000	2920
Grade 1 glass load (57011) (kg)	815	1034	1370	1806	2311	2944	4215	4962
Grade 2 glass load (57012) (kg)	266	338	448	590	755	962	1377	1621
Grade 2 glass load (57012) (kg)	293	372	493	649	831	1059	1516	1784
Total operating weight (kg)	2375	2950	4000	5475	6950	8800	12180	14460



Filtration bed  
1.2 m

## LAMINATED FILTERS



SINGLE LAYER



MULTILAYER

### DIN filters

Laminated filter made of polyester resin and fibreglass. Designed as per standard DIN 19643/19605. Ral 5015 colour code.

It is characterised by:

- Bolts in 316 AISI.
- Outlet clear water above nozzle plate in Europe.
- Nozzle plate system 65 units / m<sup>2</sup>.
- 5 years warranty in tank.
- Maximum pressure: 2.5 bar.
- Maximum temperature 50° C.
- Sight glass 50 x 300 mm (one or two sight glasses, depending on model).
- Filter bed height 1,2 m.
- Freeboard 0,5 m.
- Connections in polyester.
- Lateral manhole d.400 in all models except Norma DIN 650 with d.200 mm.
- Top manhole d.400 mm in all models except Norma DIN 650 and 800 with d.200 mm.

### OPTIONAL FEATURES

- Maximum pressure 4 bar.
- Ozone resistance 10mg/l (DIN 18820).

	Code	Pack. Standard	Weight kg Standard	Volume in m <sup>3</sup> Standard
--	------	-------------------	-----------------------	--------------------------------------

#### Monolayer - 1 sight glass

##### DIN Standard

Ø 650 mm	66033 126 000	1	-	1.88
Ø 800 mm	66034 126 000	1	-	2.70
Ø 1000 mm	66035 126 000	1	-	4.30
Ø 1200 mm	66036 126 000	1	-	4.98

##### Europe DIN

###### Outlet clear water above nozzle plate

Ø 1400 mm	66037 126 000	1	-	7.85
Ø 1600 mm	66038 126 000	1	-	9.40
Ø 1800 mm	66039 126 000	1	-	12.40
Ø 2000 mm	66040 126 000	1	-	15.49

###### Outlet clear water under nozzle plate

Ø 1400 mm	66685 126 000	1	-	7.85
Ø 1600 mm	66686 126 000	1	-	9.40
Ø 1800 mm	66687 126 000	1	-	12.40
Ø 2000 mm	66688 126 000	1	-	15.49

#### Multilayer - 2 sight glasses

##### DIN Standard

Ø 650 mm	66033 127 000	1	-	1.88
Ø 800 mm	66034 127 000	1	-	2.70
Ø 1000 mm	66035 127 000	1	-	4.30
Ø 1200 mm	66036 127 000	1	-	4.98

##### Europe DIN

###### Outlet clear water above nozzle plate

Ø 1400 mm	66037 127 000	1	-	7.85
Ø 1600 mm	66038 127 000	1	-	9.40
Ø 1800 mm	66039 127 000	1	-	12.40
Ø 2000 mm	66040 127 000	1	-	15.49

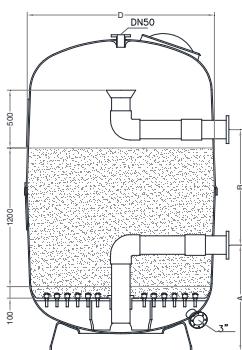
###### Outlet clear water under nozzle plate

Ø 1400 mm	66685 127 000	1	-	7.85
Ø 1600 mm	66686 127 000	1	-	9.40
Ø 1800 mm	66687 127 000	1	-	12.40
Ø 2000 mm	66688 127 000	1	-	15.49

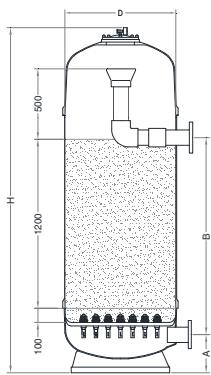
## LAMINATED FILTERS

## DIN filters

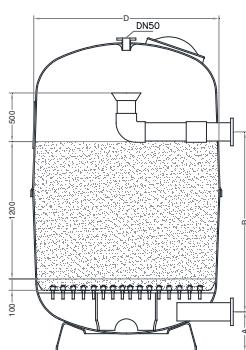
Europe DIN



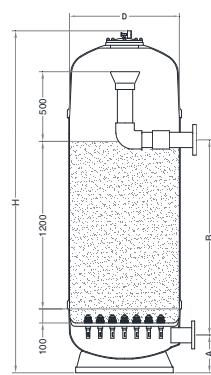
DIN Standard



Europe DIN



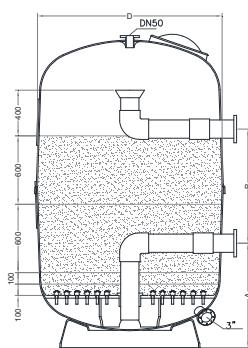
DIN Standard



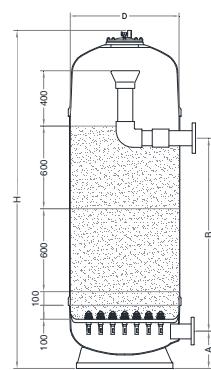
Monolayer - Outlet clear water above nozzle plate in Europe DIN.

Monolayer - Outlet clear water under nozzle plate.

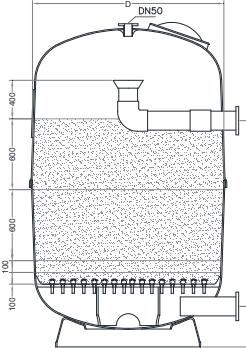
Europe DIN



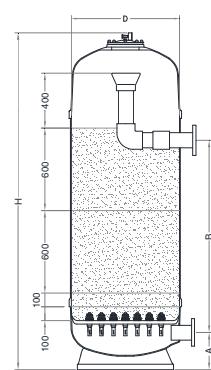
DIN Standard



Europe DIN



DIN Standard



Multilayer - Outlet clear water above nozzle plate in Europe DIN.

Multilayer - Outlet clear water under nozzle plate.

## TECHNICAL FEATURES

		DIN Standard				Europe DIN			
Monolayer (1 sight glass)	Outlet clear water above nozzle plate	66033 126 000	66034 126 000	66035 126 000	66036 126 000	66037 126 000	66038 126 000	66039 126 000	66040 126 000
	Outlet clear water under nozzle plate	66033 126 000	66034 126 000	66035 126 000	66036 126 000	66037 126 000	66038 126 000	66039 126 000	66040 126 000
Multilayer (2 sight glasses)	Outlet clear water above nozzle plate	66033 127 000	66034 127 000	66035 127 000	66036 127 000	66037 127 000	66038 127 000	66039 127 000	66040 127 000
	Outlet clear water under nozzle plate	66033 127 000	66034 127 000	66035 127 000	66036 127 000	66037 127 000	66038 127 000	66039 127 000	66040 127 000
$\varnothing$ (mm)		650	800	1000	1200	1400	1600	1800	2000
Filtration velocity ( $m^3/h/m^2$ )		20 / 30	20 / 30	20 / 30	20 / 30	20 / 30	20 / 30	20 / 30	20 / 30
Flow ( $m^3/h$ )		7 / 10	10 / 15	16 / 23	23 / 34	31 / 46	40 / 60	51 / 76	63 / 94
H (mm)		2411	2442	2617	2752	2650	2738	2800	2880
A (mm)	Outlet clear water above nozzle plate	-	-	-	-	915	915	915	960
	Outlet clear water under nozzle plate	270	270	355	385	400	400	400	400
B (mm)	Outlet clear water above nozzle plate	-	-	-	-	1000	1000	1000	1000
	Outlet clear water under nozzle plate	1400	1400	1400	1400	1400	1400	1400	1400
D (mm)		668	818	1033	1234	1440	1640	1840	2040
Input connection (mm)		90	110	140	160	160	160	200	200
Output connection (mm)		75	90	110	140	140	160	160	200
MULTILAYER	1 <sup>a</sup> layer) Gravel 3 – 5 mm (kg)	50	80	120	175	240	310	395	485
	2 <sup>a</sup> layer) Gravel 2 – 3 mm (kg)	50	80	120	175	240	310	395	485
	3 <sup>a</sup> layer) Sand 0.4 – 0.8 mm (kg)	270	407	635	915	1245	1630	2060	2545
	4 <sup>a</sup> layer) Anthracite 0.6 – 1.6 mm (l)	160	240	375	540	740	965	1220	1508
SINGLE LAYER	Sand 0,7 -1,2 mm (kg)	535	815	1270	1830	2495	3255	4120	5090
	Gravel 2 – 3 mm (kg)	50	80	120	175	240	310	395	485
	Grade 1 glass load (57011) (kg)	305	470	730	1050	1430	1865	2360	2915
	Grade 2 glass load (57012) (kg)	100	155	240	340	470	610	770	950
	Grade 2 glass load (57012) (kg)	110	170	260	380	515	670	850	1050

Filtration bed  
1 m

## BOBBIN WOUND FILTERS



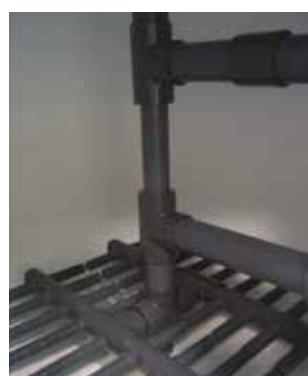
DOES NOT INCLUDE  
VALVE MANIFOLD

For filters with nozzle plates, a side opening ( $\varnothing$  400 mm or  $\varnothing$  225 mm) should be made for emptying the filter medium.

Optional:  
Standard American sizes



Filter base



Collector arms

### Vic filters

Industrial bobbin wound filters with diameters from 1050 mm to 3000 mm, with the corresponding flange connections for different filtration velocities. Replaces the Atenas model. New top cover system with quick closing system 400 x 500 mm opening. The air relief valve is fitted into the cover in order to help eliminate air from the filter. 1½" collector arms injected in ABS at the necessary lengths for each of the filters and without joints. Lengths from 90 mm to 525 mm. A reduced head loss is achieved thanks to the greater diameter of the arms.

The 90 mm diameter collector tubing is injected in PVC. Water purge and air relief are faster due to a 1" connection. The distance between the top sand layer and the diffusor head ("freeboard") has been increased to ensure greater water distribution during filtration and to prevent sand entering into the laterals during the backwashing.

In the case of filters with diameters of 2350 mm, 2500 mm and 3000 mm, the top cover is  $\varnothing$  400 mm that screws into place and has a PRFV high resistance neck ring. The 200 mm, 225 mm and 250 mm connections are in PVC and the foot is plain, both of which are features very similar to the Oslo and Prague models.

**Maximum pressure: 2.5 kg/cm<sup>2</sup>.**

Diameter $\varnothing$ mm	Filtration velocity $m^3/h/m^2$	Outlet $\varnothing$ mm	Flow rate $m^3/h$	Code	Standard Packaging	Standard Weight Kg	Standard Volume m <sup>3</sup>
1050	20	63	17	11511N	1	120	1.9
	30-40	75	25-34	11517N	1	120	1.9
	50	90	43	11526N	1	120	1.9
1200	20-30	75	22-33	11512N	1	154	2.7
	40-50	90	45-56	11522N	1	154	2.7
1400	20	75	30	11513N	1	173	3.7
	30	90	46	11518N	1	173	3.7
	40-50	110	61-77	11523N	1	173	3.7
1600	20	90	40	11514N	1	235	5.0
	30-40	110	60-80	11519N	1	235	5.0
	50	125	100	11527N	1	235	5.0
1800	20	90	50	11515N	1	270	6.4
	30	110	76	11520N	1	270	6.4
	40	125	101	11524N	1	270	6.4
	50	140	125	11528N	1	270	6.4
2000	20	110	62	11516N	1	295	8.7
	30	125	94	11521N	1	295	8.7
	40	140	125	11525N	1	295	8.7
	50	160	157	11529N	1	295	8.7

NB: Technical features in accordance with the table on the following page

Filtration bed  
1 mDOES NOT INCLUDE  
VALVE MANIFOLD

For filters with nozzle plates, a side opening (Ø 400 mm or Ø 225 mm) should be made for emptying the filter medium.

Optional:  
Standard American sizes

## BOBBIN WOUND FILTERS

## Vic filters

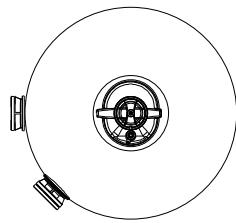
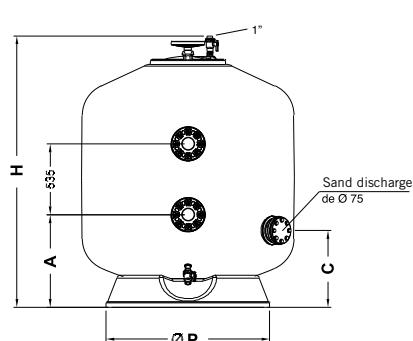
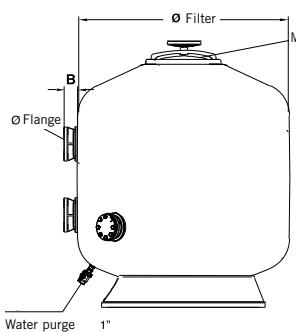
Code 2.5 kg	Ø filter mm	A mm	B mm	C mm	H mm	Ø P mm	Ø flange mm	Filtration surface area (m <sup>2</sup> )
11511N	1050	685	85	535	1950	760	63	0.86
11517N	1050	685	85	535	1950	760	75	0.86
11526N	1050	685	85	535	1950	760	90	0.86
11512N	1200	680	85	530	1970	860	75	1.13
11522N	1200	680	85	530	1970	860	90	1.13
11513N	1400	685	85	575	2000	1020	75	1.54
11518N	1400	685	85	575	2000	1020	90	1.54
11523N	1400	685	85	575	2000	1020	110	1.54
11514N	1600	695	85	625	2050	1150	90	2.01
11519N	1600	695	85	625	2050	1150	110	2.01
11527N	1600	695	85	625	2050	1150	125	2.01
11515N	1800	710	85	670	2080	1320	90	2.54
11520N	1800	710	85	670	2080	1320	110	2.54
11524N	1800	710	85	670	2080	1320	125	2.54
11528N	1800	710	85	670	2080	1320	140	2.54
11516N	2000	730	85	715	2150	1470	110	3.14
11521N	2000	730	85	715	2150	1470	125	3.14
11525N	2000	730	85	715	2150	1470	140	3.14
11529N	2000	730	85	715	2150	1470	160	3.14



Filter base



Collector arms



Type	Ø	1050	1200	1400	1600	1800	2000
Single-layer collector arms	Sand load (kg)	950	1375	1650	2150	2800	3800
Single-layer collector arms	Gravel load (kg)	300	300	450	675	750	1050
Single-layer collector arms	Grade 1 glass load (57011) (kg)	648	872	1091	1465	1844	2519
Single-layer collector arms	Grade 2 glass load (57012) (kg)	212	285	356	479	602	823
Single-layer collector arms	Grade 2 glass load (57012) (kg)	233	313	392	527	663	906
Single layer nozzle plate	Sand load (kg)	700	1200	1400	1850	2400	3300
Single layer nozzle plate	Gravel load (kg)	150	175	250	300	400	500
Single layer nozzle plate	Grade 1 glass load (57011) (kg)	442	717	860	1121	1460	1982
Single layer nozzle plate	Grade 2 glass load (57012) (kg)	144	234	281	366	477	647
Single layer nozzle plate	Grade 2 glass load (57012) (kg)	159	258	309	403	525	733

Filtration bed  
1 m



DOES NOT INCLUDE  
VALVE MANIFOLD

OTHER SPECIFIC DEPTHS  
MAY BE MADE TO ORDER.

THE Ø 3000 mm FILTERS  
WILL BE SHIPPED BY  
SPECIAL DELIVERY.  
ASK YOUR DEALER  
ABOUT ADDITIONAL  
COSTS.

For filters with nozzle  
plates, a side opening (Ø  
400 mm or Ø 225 mm)  
should be made for empty-  
ing the filter medium.

Optional:  
Standard American sizes

## BOBBIN WOUND FILTERS

### Praga filters

Polyester and fibreglass single-layer filter Ø400mm lid. Equipped with pressure gauge panel, manual air and water bleed valves and drain plug. Suitable for filtration speeds of 20, 30, 40 and 50 m<sup>3</sup>/h/m<sup>2</sup>. For other filtration velocities, please enquire.

**Maximum pressure: 2.5 kg/cm<sup>2</sup>.**

Diameter Ø mm	Filtration velocity m <sup>3</sup> /h/m <sup>2</sup>	Outlet Ø mm	Flow rate m <sup>3</sup> /h	Code	Standard Packaging	Standard Weight Kg	Standard Volume m <sup>3</sup>
1050	20	63	17	<b>00687</b>	1	120	2.45
	30-40	75	25-34	<b>00694</b>	1	120	2.45
	50	90	43	<b>00707</b>	1	120	2.45
1200	20-30	75	22-33	<b>00688</b>	1	155	3.38
	40-50	90	45-56	<b>00702</b>	1	155	3.38
1400	20	75	30	<b>00689</b>	1	198	4.75
	30	90	46	<b>00696</b>	1	198	4.75
	40	110	61	<b>00703</b>	1	198	4.75
1600	20	90	40	<b>00690</b>	1	255	6.13
	30-40	110	60-80	<b>00697</b>	1	255	6.13
	50	125	100	<b>00710</b>	1	255	6.13
1800	20	90	50	<b>00691</b>	1	285	7.25
	30	110	76	<b>00698</b>	1	285	7.25
	40	125	101	<b>00705</b>	1	285	7.25
	50	140	125	<b>00711</b>	1	285	7.25
	50	160	125	<b>33312</b>	1	285	7.25
2000	20	110	62	<b>00692</b>	1	355	9.92
	30	125	94	<b>00699</b>	1	355	9.92
	40	140	125	<b>00706</b>	1	355	9.92
	50	160	157	<b>05083</b>	1	355	9.92
2200	30	140	114	<b>56937</b>	1	450	13.9
	40	160	152	<b>56938</b>	1	450	13.9
2350	20	125	87	<b>00693</b>	1	500	17.04
	30	140	130	<b>00700</b>	1	500	17.04
	40	160	175	<b>04935</b>	1	500	17.04
2500	20	140	100	<b>08695</b>	1	750	19.5
	30	160	150	<b>08696</b>	1	750	19.5
	40	200	200	<b>08697</b>	1	750	19.5
3000	20	160	140	<b>08699</b>	1	1340	29.0
	30	200	212	<b>08700</b>	1	1340	29.0
	40	225	282	<b>08701</b>	1	1340	29.0

Note: See technical features on next page

Filtration bed  
1 m



DOES NOT INCLUDE  
VALVE MANIFOLD

OTHER SPECIFIC DEPTHS  
MAY BE MADE TO ORDER.

THE Ø 3000 mm FILTERS  
WILL BE SHIPPED BY  
SPECIAL DELIVERY.  
ASK YOUR DEALER  
ABOUT ADDITIONAL  
COSTS.

Optional:  
Standard American sizes

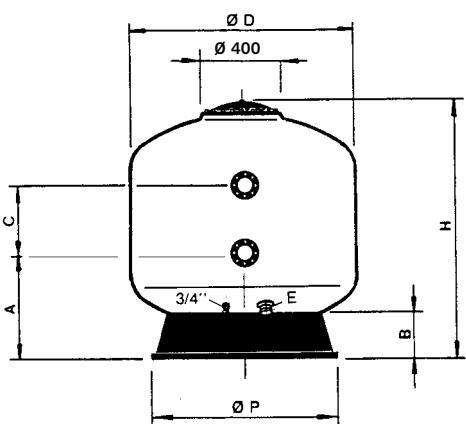
## BOBBIN WOUND FILTERS

### Praga filters

Lid Ø 400 mm.

Maximum pressure: 4 kg/cm<sup>2</sup>

Diameter Ø mm	Filtration velocity m <sup>3</sup> /h/m <sup>2</sup>	Outlet Ø mm	Flow rate m <sup>3</sup> /h	Code	Standard Packaging	Standard Weight Kg	Standard Volume m <sup>3</sup>
1050	20	63	17	09209	1	155	2.45
	30-40	75	25-34	00712	1	155	2.45
	50	90	43	00724	1	155	2.45
1200	20-30	75	22-33	00713	1	215	3.38
	40-50	90	45-56	00719	1	215	3.38
1400	20	75	30	09210	1	300	4.75
	30	90	46	00714	1	300	4.75
	40-50	110	61-77	00720	1	300	4.75
1600	20	90	40	09211	1	330	6.13
	30-40	110	60-80	00715	1	330	6.13
	50	125	100	00727	1	330	6.13
1800	20	90	50	09212	1	400	7.25
	30	110	76	00716	1	400	7.25
	40	125	101	00722	1	400	7.25
	50	140	125	00728	1	400	7.25
2000	20	110	62	09213	1	475	9.92
	30	125	94	00717	1	475	9.92
	40	140	125	00723	1	475	9.92
	50	160	157	05132	1	475	9.92
2200	30	140	114	57812	1	560	13.9
	40	160	152	57813	1	560	13.9
2350	20	125	87	09214	1	630	17.04
	30	140	130	09217	1	630	17.04
	40	160	175	09220	1	630	17.04
2500	20	140	100	09215	1	930	19.5
	30	160	150	09218	1	930	19.5
	40	200	200	09221	1	930	19.5
3000	20	160	140	09216	1	1630	29.0
	30	200	212	09219	1	1630	29.0
	40	225	282	09222	1	1630	29.0



Ø (mm)	1050	1200	1400	1600	1800	2000	2200	2350	2500	3000
Depth of sand medium (m)	1	1	1	1	1	1	1	1	1	1
H (mm)	1640	1780	1755	1835	1875	2040	2440	2520	2550	2750
B (mm)	200	230	240	260	280	300	340	340	340	350
A (mm)	540	570	585	680	720	790	950	965	1080	1100
C (mm)	645	640	610	515	465	510	510	600	450	440
Ø P (mm)	755	940	1085	1230	1370	1550	1830	1859	2000	2365
E (mm)	90	90	90	140	140	140	140	140	140	140
Filtration surface areas (m <sup>2</sup> )	0.86	1.13	1.54	2.01	2.54	3.14	3.80	4.34	4.90	7.07
Volume (l)	1050	1500	2000	2600	3400	4400	6520	8045	9050	12800
Sand load (kg)	950	1375	1650	2150	2800	3800	4650	5275	5950	8600
Gravel load (kg)	300	300	450	675	750	1050	1900	1800	2200	3300
Grade 1 glass load (57011) (kg)	648	872	1091	1465	1844	2519	3388	3667	4220	6160
Grade 2 glass load (57012) (kg)	212	285	356	479	602	823	1107	1198	1378	2012
Grade 2 glass load (57012) (kg)	233	313	392	527	663	906	1218	1319	1518	2215
Total operating weight (kg)	2000	2700	3700	4900	6100	7900	11200	12550	13760	20200

Filtration bed  
1 m

## BOBBIN WOUND FILTERS

New



OC-1 filtration media

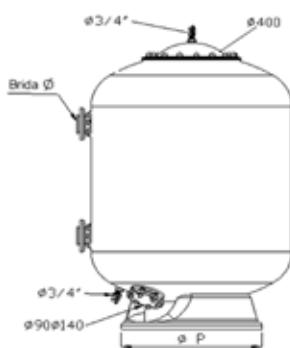
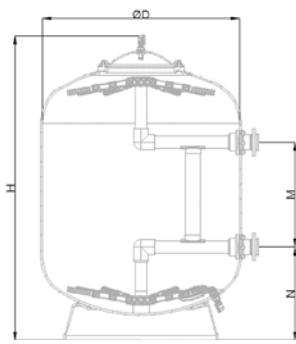
### 2.5 bar OC-1 Praga filters

Filters manufactured with a resin and fibreglass bobbin.

- Maximum working pressure: 2.5 bar
- Maximum temperature: 50°C.
- Height of filter bed: 1 m or 1.2 m
- Colour: RAL 6027.
- Ø400 mm plastic lid.
- Ø¾" manual air bleed valve.
- Special interiors with 3mm slot arms.
- PVC connections.
- Average discharge of Ø90 mm in models Ø1050 to Ø1400 and Ø140 mm in models Ø1600 to Ø3000.
- Ø¾" manual water bleed valve.
- Filter suitable for OC-1 media only. Not suitable for sand, glass or other type of filtration media.

Maximum pressure: 2.5 kg/cm<sup>2</sup>.

Diameter Ø mm	Filtration velocity m <sup>3</sup> /h/m <sup>2</sup>	Outlet Ø mm	Flow rate m <sup>3</sup> /h	Code	Standard Packaging	Standard Weight Kg	Standard Volume m <sup>3</sup>
1050	20	63	17	00687 OC1	1	286	-
	30/40	75	25/34	00694 OC1	1	286	-
	50	90	43	00707 OC1	1	286	-
1200	20/30	75	22/33	00688 OC1	1	354	-
	40/50	90	45/56	00702 OC1	1	354	-
1400	20	75	30	00689 OC1	1	504	-
	30	90	46	00696 OC1	1	504	-
	40/50	110	61/77	00703 OC1	1	504	-
1600	20	90	40	00690 OC1	1	600	-
	30/40	110	60/80	00697 OC1	1	600	-
	50	125	100	00710 OC1	1	600	-
1800	20	90	50	00691 OC1	1	744	-
	30	110	76	00698 OC1	1	744	-
	40	125	101	00705 OC1	1	744	-
	50	140	125	00711 OC1	1	744	-
	50	160	125	33312 OC1	1	744	-
2000	20	110	62	00692 OC1	1	997	-
	30	125	94	00699 OC1	1	997	-
	40	140	125	00706 OC1	1	997	-
	50	160	157	05083 OC1	1	997	-

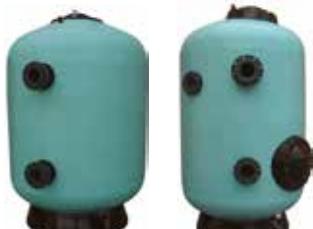


Ø (mm)	1050	1200	1400	1600	1800	2000
H (mm)	1640	1780	1755	1835	1875	2040
M (mm)	645	640	610	515	465	510
N (mm)	540	570	585	680	720	790
P (mm)	755	940	1085	1230	1370	1550
Filtration surface areas (m <sup>2</sup> )	0.86	1.13	1.54	2.01	2.54	3.14
OC-1 load (kg)	176	229	319	385	494	667

NB: Options coding according to table on page 464

THIS TABLE ONLY COVERS  
HIGH PERFORMANCE OSLO  
AND OLOT BOBBIN WOUND  
FILTERS

## BOBBIN WOUND FILTERS



Oslo

Olot

DOES NOT INCLUDE  
VALVE MANIFOLD

### Vertical high performance bobbin wound filters

#### General features:

- 100% resistant to corrosion unlike conventional steel filters
- Maximum operating temperature 50° C
- Comply with European standards for pressure vessels 97/23/CE included in section 3 of article 3
- Hydraulic pressure test 1.5 times the maximum admissible pressure

#### Technical features of internal components:

- Internal components and pipe in PVC
- Laterals and nozzles in PP
- Airwash connection in models with underdrain nozzle plates
- Bolts, nuts and washers in AISI-316
- EPDM seals and gaskets.

#### Advantages of using an underdrain nozzle plate system over the conventional lateral system:

- There are no areas beneath the nozzles for water to stagnate as could occur in a lateral system
- Optimum filter bed back wash with an uniform water distribution
- Possibility of air wash with consequent saving of clean water
- The lateral manhole is recommended for sand discharge

The characteristics of liquids to be filtered should be indicated clearly when requesting ozone or other chemical resistant coatings for the filter interior.

#### RECOMMENDED SAND, GRAVEL AND GLASS LOADS

SINGLE-LAYER - Collector arms - Filtration bed 1.2 m in depth													
Diameter mm		1050	1200	1400	1600	1800	2000	2200	2350	2500	2600	2800	3000
Sand load (kg)		1300	1775	2300	3000	3800	4650	5625	6300	7075	8176	9483	10575
Gravel load (kg)		300	350	500	775	850	1150	1400	1800	1975	2123	2463	3850
Grade 1 glass load (57011) (kg)		832	1107	1457	1961	2419	3015	3651	4205	4699	5351	6207	7471
Grade 2 glass load (57012) (kg)		272	361	476	641	790	985	1193	1373	1535	1748	2027	2440
Grade 2 glass load (57012) (kg)		299	398	524	705	870	1084	1313	1512	1690	1924	2232	2687
MULTI-LAYER - Collector arms - Filtration bed 1.2 m in depth													
Diameter mm		1050	1200	1400	1600	1800	2000	2200	2350	2500	2600	2800	3000
Hydroanthracite (0.8-1.6) Kg	600 mm	450	575	775	1000	1275	1575	1900	2175	2450	2548	2956	3550
Sand (0,4-0,8) (Kg)	400 mm	475	625	825	1100	1400	1700	2050	2350	2675	2973	3448	3850
Gravel (1-2) (Kg)	100 mm	150	175	250	300	400	500	600	675	775	796	924	1100
Gravel (2-3) (Kg)	100 mm (1)	300	350	500	775	850	1150	1400	1800	1975	2123	2463	3850
SINGLE-LAYER - Nozzle plate - Filtration bed 1.2 m in depth													
Diameter mm		1050	1200	1400	1600	1800	2000	2200	2350	2500	2600	2800	3000
Sand load (kg)		1300	1775	2300	3000	3800	4050	5625	6300	7075	8176	9483	10575
Gravel load (kg)		150	175	250	300	400	500	600	675	775	796	924	1100
Grade 1 glass load (57011) (kg)		757	1019	1332	1725	2195	2376	3253	3645	4102	4690	5441	6102
Grade 2 glass load (57012) (kg)		247	333	435	563	717	776	1063	1191	1340	1532	1777	1993
Grade 2 glass load (57012) (kg)		272	367	479	620	789	845	1170	1311	1475	1687	1957	2194
MULTI-LAYER - Nozzle plate - Filtration bed 1.2 m in depth													
Diameter mm		1050	1200	1400	1600	1800	2000	2200	2350	2500	2600	2800	3000
Hydroanthracite (0.8-1.6) Kg	600 mm	450	575	775	1000	1275	1575	1900	2175	2450	2548	2956	3550
Sand (0,4-0,8) (Kg)	400 mm	475	625	825	1100	1400	1700	2050	2350	2675	2973	3448	3850
Gravel (1-2) (Kg)	100 mm	150	175	250	300	400	500	600	675	775	796	924	1100
Gravel (3-5) (Kg)	100 mm	150	175	250	300	400	500	600	675	775	796	924	1100
MULTI-LAYER - Nozzle plate - Filtration bed 1.5 m in depth													
Diameter mm		1050	1200	1400	1600	1800	2000	2200	2350	2500	2600	2800	3000
Hydroanthracite (0.8-1.6) Kg	600 mm	450	575	775	1000	1275	1575	1900	2175	2450	2548	2956	3550
Sand (0,4-0,8) (Kg)	600 mm	725	950	1250	1650	2100	2550	3100	3525	4025	4460	5172	5775
Gravel (1-2) (Kg)	100 mm	150	175	250	300	400	500	600	675	775	796	924	1100
Gravel (2-3) (Kg)	100 mm	150	175	250	300	400	500	600	675	775	796	924	1100
Gravel (3-5) (Kg)	100 mm	150	175	250	300	400	500	600	675	775	796	924	1100

Densities: Hydroanthracite = 0.8 Kg/dm<sup>3</sup> - Sand = 1.4 Kg/dm<sup>3</sup> - Gravel = 1.5 Kg/dm<sup>3</sup>

(1) 100 mm above laterals

Filtration bed  
1.2 m



DOES NOT INCLUDE  
VALVE MANIFOLD

OTHER SPECIFIC DEPTHS  
MAY BE MADE TO ORDER.

THE Ø 3000 mm FILTERS  
WILL BE SHIPPED BY  
SPECIAL DELIVERY.  
ASK YOUR DEALER  
ABOUT ADDITIONAL  
COSTS.

Optional:  
Standard American sizes



Lateral manhole Ø 400 mm



Nozzle plate



Sightglass

## BOBBIN WOUND FILTERS

### Oslo filters

#### Characteristics:

Vertical high performance bobbin wound filters

#### Collector system:

A - Conventional collector system using laterals with 0.3 mm slots.

For working pressure of 2.5 and 4 bars.

B - Nozzle plate with 0.5 mm slots. For working pressure of 2.5 and 4 bars.

#### Fitted with:

- Pressure gauge panel
- Manual air vent and water purge

#### Options:

- Positioning of water connections flanges, sightglasses and manhole covers are provided according to customer specification.
- Diameters of connections and purges depend on customer specifications
- For other variations such as height, chemical resistant internal coating, pressure rating, etc., please enquire.

Maximum pressure: 2.5 kg/cm<sup>2</sup>.

Diameter Ø mm	Filtration velocity m <sup>3</sup> /h/m <sup>2</sup>	Outlet Ø mm	Flow rate m <sup>3</sup> /h	Code	Standard Packaging	Standard Weight Kg	Standard Volume m <sup>3</sup>
<b>1050</b>	30	75	25	<b>04611</b>	1	207	2.5
	40	90	34	<b>04612</b>	1	207	2.5
<b>1200</b>	30	75	33	<b>04613</b>	1	234	3.2
	40	110	45	<b>04650</b>	1	234	3.2
<b>1400</b>	30	90	46	<b>04615</b>	1	294	4.7
	40	125	61	<b>04616</b>	1	294	4.7
<b>1600</b>	30	110	60	<b>04619</b>	1	360	6.2
	40	140	80	<b>04651</b>	1	360	6.2
<b>1800</b>	30	125	76	<b>04623</b>	1	416	8.5
	40	160	101	<b>04624</b>	1	416	8.5
<b>2000</b>	30	125	94	<b>04626</b>	1	483	10.3
	40	160	125	<b>04652</b>	1	483	10.3
<b>2200</b>	30	140	114	<b>56935</b>	1	567	14.8
	40	160	152	<b>56936</b>	1	567	14.8
<b>2350</b>	30	140	130	<b>08693</b>	1	651	15.8
	40	200	175	<b>08694</b>	1	651	15.8
<b>2500</b>	30	160	150	<b>08704</b>	1	820	20.8
	40	225	200	<b>08706</b>	1	820	20.8
<b>3000</b>	30	200	212	<b>08708</b>	1	1300	31.0
	40	250	282	<b>08710</b>	1	1300	31.0

Filtration bed  
1.2 m

## BOBBIN WOUND FILTERS



LARGE FILTERS OF MORE THAN 2500 mm WILL BE SHIPPED BY SPECIAL DELIVERY. ASK YOUR DEALER ABOUT ADDITIONAL COSTS.

For filters with nozzle plates, a side opening ( $\varnothing$  400 mm or  $\varnothing$  225 mm) should be made for emptying the filter medium.

Optional:  
Standard American sizes

### Oslo filters

**Maximum pressure: 4 kg/cm<sup>2</sup>**

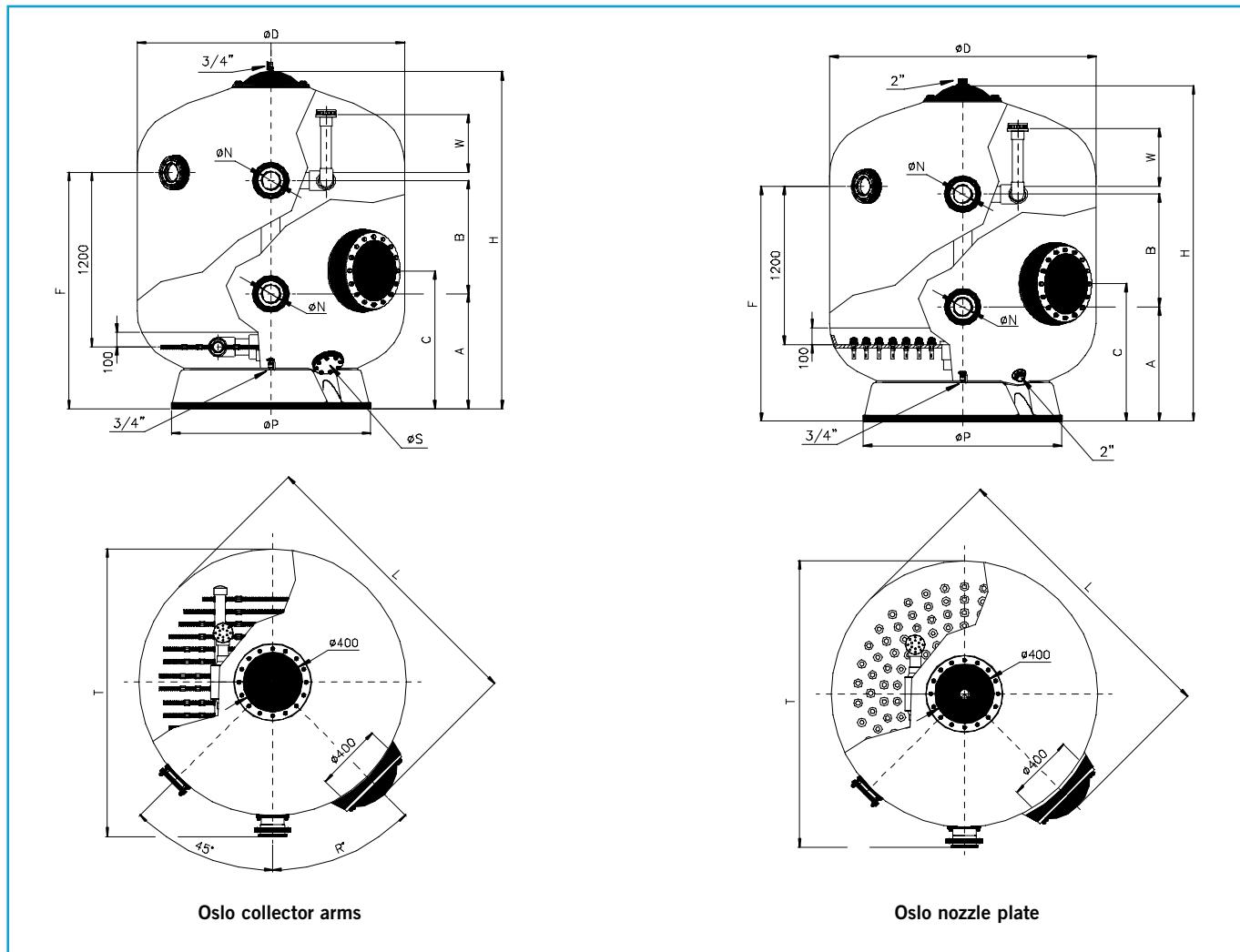
Diameter $\varnothing$ mm	Filtration velocity $m^3/h/m^2$	Outlet Ø mm	Flow rate $m^3/h$	Code	Standard Packaging	Standard Weight Kg	Standard Volume m <sup>3</sup>
<b>1050</b>	30	75	25	<b>05168</b>	1	230	2.5
	40	90	34	<b>05173</b>	1	230	2.5
<b>1200</b>	30	75	33	<b>05169</b>	1	265	3.2
	40	110	45	<b>05174</b>	1	265	3.2
<b>1400</b>	30	90	46	<b>07436</b>	1	364	4.7
	40	125	61	<b>07437</b>	1	364	4.7
<b>1600</b>	30	110	60	<b>05170</b>	1	442	6.2
	40	140	80	<b>05175</b>	1	442	6.2
<b>1800</b>	30	125	76	<b>07438</b>	1	518	8.5
	40	160	101	<b>07439</b>	1	518	8.5
<b>2000</b>	30	125	94	<b>05171</b>	1	644	10.3
	40	160	125	<b>05176</b>	1	644	10.3
<b>2200</b>	30	140	114	<b>57810</b>	1	715	14.8
	40	160	152	<b>57811</b>	1	715	14.8
<b>2350</b>	30	140	130	<b>05172</b>	1	786	15.8
	40	200	175	<b>05177</b>	1	786	15.8
<b>2500</b>	30	160	150	<b>08712</b>	1	964	20.8
	40	225	200	<b>08714</b>	1	964	20.8
<b>3000</b>	30	200	212	<b>08716</b>	1	1613	31.0
	40	250	282	<b>08718</b>	1	1613	31.0

Type	Multi-layer collector arms					Multi-layer nozzle plate				
	$\varnothing D$ (mm)	Sand load (kg)	Gravel load kg	Grade 1 glass load (57011) kg	Grade 2 glass load (57012) kg	Grade 3 glass load (57013) kg	Sand load (kg)	Gravel load kg	Grade 1 glass load (57011) kg	Grade 2 glass load (57012) kg
<b>1050</b>	1300	300	832	272	299	1300	150	757	247	272
<b>1200</b>	1775	350	1107	361	398	1775	175	1019	333	367
<b>1400</b>	2300	500	1457	476	524	2300	250	1332	435	479
<b>1600</b>	3000	775	1961	641	705	3000	300	1725	563	620
<b>1800</b>	3800	850	2419	790	870	3800	400	2195	717	789
<b>2000</b>	4650	1150	3015	985	1084	4050	500	2376	776	845
<b>2200</b>	5625	1400	3651	1193	1313	5625	600	3253	1063	1170
<b>2350</b>	6300	1800	4205	1373	1512	6300	675	3645	1191	1311
<b>2500</b>	7075	1975	4699	1535	1690	7075	775	4102	1340	1475
<b>3000</b>	10575	3850	7471	2440	2687	10575	1100	6102	1993	2194

NB: Options coding according to table on page 464

## BOBBIN WOUND FILTERS

Oslo filters



$\phi D$ (mm)	Filtration velocity (m <sup>3</sup> /h/m <sup>2</sup> )	$\phi N$ (mm)		2,5 bar	4 bar	Flow rate m <sup>3</sup> /h	Filtration area (m <sup>2</sup> )	Volume (l)	A (mm)	B (mm)	C (mm)	F (mm)	H (mm)	L (mm)	$\phi P$ (mm)	R	$\phi S$ (mm)	T (mm)	W (mm)	Total operating weight (kg)
		Code	Code																	
1050	30	75	DN65	04611	05168	25	0.86	1500	650	940	770	1550	2070	1240	750	55°	90	1220	325	2450
	40	90	DN80	04612	05173	34														
1200	30	75	DN65	04613	05169	33	1.13	1860	670	830	770	1550	2080	1390	940	45°	90	1380	350	3000
	40	110	DN100	04650	05174	45														
1400	30	90	DN80	04615	07436	46	1.54	2700	680	820	840	1570	2175	1590	1085	45°	90	1570	350	4300
	40	125	DN110	04616	07437	61														
1600	30	110	DN100	04619	05170	60	2.01	3620	780	800	870	1625	2310	1790	1230	45°	140	1780	400	5825
	40	140	DN125	04651	05175	80														
1800	30	125	DN110	04623	07438	76	2.54	4725	790	780	950	1625	2320	1990	1370	45°	140	2000	400	7300
	40	160	DN150	04624	07439	101														
2000	30	125	DN110	04626	05171	94	3.14	5800	790	840	950	1695	2460	2190	1550	45°	140	2200	400	9000
	40	160	DN150	04652	05176	125														
2200	30	140	DN125	56935	57810	114	3.80	7080	960	700	1100	1750	2580	2390	1860	45°	140	2400	450	12500
	40	160	DN150	56936	57811	152														
2350	30	140	DN125	08693	05172	130	4.34	8800	1065	700	1130	1850	2720	2550	1860	45°	140	2550	500	13750
	40	200	DN175	08694	05177	175														
2500	30	160	DN150	08704	08712	150	4.90	9850	1125	450	1080	1760	2750	2700	2000	45°	140	2750	500	14885
	40	225	DN200	08706	08714	200														
3000	30	200	DN175	08708	08716	212	7.07	15350	1150	600	1140	1870	2950	3200	2365	45°	140	3200	500	21615
	40	250	DN225	08710	08718	282														

Filtration bed  
1,2 m y 1.5 m



DOES NOT INCLUDE  
VALVE MANIFOLD

THE Ø 3000 mm FILTERS  
WILL BE SHIPPED BY  
SPECIAL DELIVERY.  
ASK YOUR DEALER  
ABOUT ADDITIONAL  
COSTS.

Optional:  
Standard American sizes

## BOBBIN WOUND FILTERS

### Olot filters

#### Features:

According to DIN 19605/19643 Standard

#### Collector system:

Nozzle plate with 0.5 mm slots, working pressure 2.5 bar.

#### Fitted with:

- Pressure gauge panel
- Manual air vent and water purge
- Air wash connection flange
- Ø 400 mm manhole

#### Options:

- Positioning of water connections flanges, sightglasses and manhole covers are provided according to customer specification.
- Diameters of connections and purges depend on customer specifications
- For other variations such as height, chemical resistant internal coating, pressure rating, etc., please enquire.

Maximum pressure: 2 kg/cm<sup>2</sup>

Filtration bed 1.2 m

Diameter Ø mm	Filtration velocity m <sup>3</sup> /h/m <sup>2</sup>	Outlet Ø mm	Flow rate m <sup>3</sup> /h	Code	Standard Packaging	Standard Weight Kg	Standard Volume m <sup>3</sup>
1050	30	110	25	07355	1	265	2.95
1200	30	125	33	07356	1	345	3.86
1400	30	140	46	07447	1	380	5.22
1600	30	160	60	07357	1	420	7.09
1800	30	200	76	07448	1	470	9.09
2000	30	225	94	07358	1	540	11.25
2200	30	225	114	56934	1	-	15.34
2350	30	250	130	07359	1	825	16.20
2500	30	250	150	19335	1	940	24.40
2600	30	250	160	23969	1	1021	25.21
2800	30	250	185	23970	1	1135	29.50
3000	30	250	212	19336	1	1425	30.00

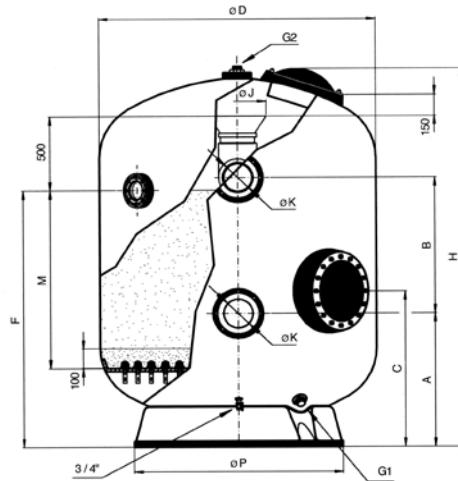
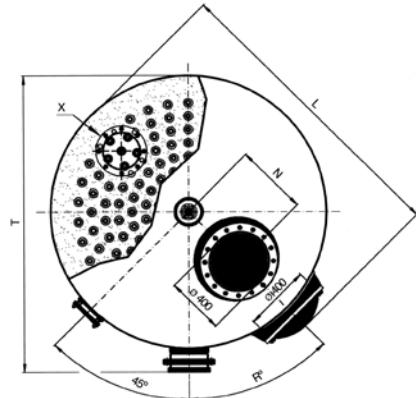
Filtration bed 1.5 m

Diameter Ø mm	Filtration velocity m <sup>3</sup> /h/m <sup>2</sup>	Outlet Ø mm	Flow rate m <sup>3</sup> /h	Code	Standard Packaging	Standard Weight Kg	Standard Volume m <sup>3</sup>
1050	30	110	25	18227	1	285	3.21
1200	30	125	33	18228	1	385	4.20
1400	30	140	46	18229	1	420	5.68
1600	30	160	60	18230	1	460	7.69
1800	30	200	76	18231	1	515	9.58
2000	30	225	94	18232	1	625	12.90
2350	30	250	130	18233	1	920	17.50
2500	30	250	150	19337	1	1010	25.87
2600	30	250	160	23971	1	1144	26.51
2800	30	250	185	23972	1	1264	30.63
3000	30	250	212	19338	1	1590	32.12

NB: Options coding according to table on page 464

## BOBBIN WOUND FILTERS

Olot filters



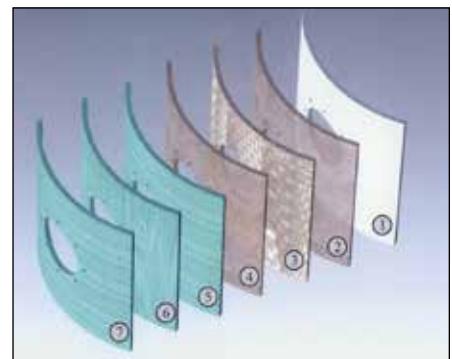
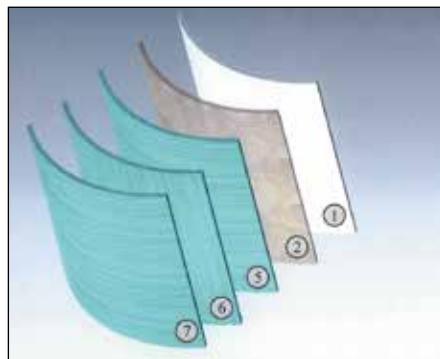
<b>Ø D (mm)</b>		1050	1200	1400	1600	1800	2000	2200	2350	2500	2600	2800	3000
<b>Filtration velocity (m<sup>3</sup>/h/m<sup>2</sup>)</b>		30	30	30	30	30	30	30	30	30	30	30	30
<b>Ø K (mm)</b>		110	125	140	160	200	225	225	250	250	250	250	250
		DN100	DN110	DN125	DN150	DN175	DN200	DN200	DN225	DN225	DN225	DN225	DN225
<b>FILTER BED 1.2 m</b>	<b>Code</b>	<b>07355</b>	<b>07356</b>	<b>07447</b>	<b>07357</b>	<b>07448</b>	<b>07358</b>	<b>56934</b>	<b>07359</b>	<b>19335</b>	<b>23969</b>	<b>23970</b>	<b>19336</b>
	<b>H (mm)</b>	2380	2400	2420	2520	2570	2660	2690	2800	2850	2920	3030	2900
	<b>F (mm)</b>	1615	1635	1645	1690	1740	1750	1820	1870	1870	1880	1920	1880
	<b>Vol. (l)</b>	1735	2175	3000	4350	5450	6650	7930	9575	11700	12800	15500	18000
	<b>Total operating weight (kg)</b>	2600	3325	4475	6250	7500	9625	11815	13600	15500	16650	19500	22500
<b>FILTER BED 1.5 m</b>	<b>Code</b>	<b>18227</b>	<b>18228</b>	<b>18229</b>	<b>18230</b>	<b>18231</b>	<b>18232</b>	<b>65547</b>	<b>18233</b>	<b>19337</b>	<b>23971</b>	<b>23972</b>	<b>19338</b>
	<b>H (mm)</b>	2680	2700	2720	2820	2870	2960	2990	3100	3150	3220	3330	3200
	<b>F (mm)</b>	1915	1935	1945	1990	2040	2050	2120	2170	2170	2180	2220	2180
	<b>Vol (l)</b>	1995	2745	3590	5150	6350	7650	9070	11255	12950	14100	16900	19700
	<b>Total operating weight (kg)</b>	3000	3900	5300	7150	8750	11250	13130	15800	17950	19400	22600	26250
<b>Flow rate (m<sup>3</sup>/h)</b>		25	33	46	60	76	94	114	130	150	160	185	212
<b>Filtration area (m<sup>2</sup>)</b>		0,86	1,13	1,54	2,01	2,54	3,14	3,80	4,34	4,90	5,31	6,16	7,07
<b>Number of injectors</b>		59	78	102	134	168	200	200	286	333	333	381	433
<b>A (mm)</b>		700	700	830	830	900	950	950	1050	1100	1160	1230	1140
<b>B (mm)</b>		1000	1000	900	950	920	760	750	680	600	600	650	600
<b>C (mm)</b>		830	840	840	870	950	950	1130	1130	1100	1200	1230	1220
<b>L (mm)</b>		1240	1390	1600	1810	1990	2194	2390	2550	2720	2800	3000	3220
<b>Ø P (mm)</b>		730	940	1080	1230	1390	1550	1860	1850	2050	2050	2200	2360
<b>T (mm)</b>		1220	1380	1570	1780	2000	2240	2450	2630	2750	2800	3000	3270
<b>N (mm)</b>		0	130	130	400	450	480	520	550	700	600	600	720
<b>Ø X sightglass (mm)</b>		125	250	250	250	250	250	250	250	250	250	250	250
<b>° R</b>		55°	45°	45°	45°	45°	45°	45°	45°	45°	45°	45°	45°
<b>Ø J (mm)</b>		380	380	380	380	380	380	380	600	600	600	600	600
<b>Ø G1</b>		2"	2"	2"	2"	75	75	75	75	90	110	140	
<b>Ø G2*</b>		2"	2"	2"	2"	2"	2"	75	75	75	75	75	75

\* In models Ø 1050 mm, 1200 mm and 1400 mm, this fitting is fitted on to the cover.

## BOBBIN WOUND FILTERS

Construction features of the filter according to DIN 18820:

- (1) Chemical protective gel-coat barrier is one open ligical type CSS-UP3. Superior hardness and resistance to the abrasion of sand and salt water. Complies with German standard KTW recommendations and certified by LVHT.
- The optional vinyl ester layer for protection against ozone is of the CCS-PHAS class.
- (2) Polyester reinforced laminated resin with randomly orientated fibreglass filament GF-UP1 type.
- Reinforced in MW areas under greater stress with an additional woven matting, alternating non-aligned (4) with aligned fibres (3).
- A set of radial bobbin layers (5) (7) on the cylindrical part and a set of polar layers (6) along the entire filter body with type GF-UP1 made with numeric control machinery. The most essential feature of these filters is their mechanical resistance which enables them to withstand greater internal pressures.
- All filters are submitted to a seasoning process at a temperature of 60°C.



### Ø 1050 mm and Ø 1200 mm Rodas filters



Ø 1050 mm  
Ø 1200 mm

#### General features:

- 100% resistant to corrosion unlike conventional steel filters
- Excellent relation between filter weight and its mechanical characteristics
- Maximum operating temperature 50°C
- Comply with European standards for pressure vessels 97/23/CE included in section 3 of article 3
- Hydraulic pressure test 1.5 times the maximum admissible pressure
- Resistance and thickness calculations are based on norms BS-4994 and AD Merkblatt N1

#### Fitted with:

- Pressure gauge panel
- Manual air vent and water purge
- Ø 400 mm lateral manhole and Ø 140 mm top port

#### Characteristics of internal components:

- Internal components and pipe in PVC
- PP laterals with 0.3 slots
- Bolts, nuts and washers in AISI-316
- EPDM seals and gaskets.

Filter bed  
depth 0.6 m

## BOBBIN WOUND FILTERS



Ø 1050 mm  
Ø 1200 mm

Ø 1050 mm and Ø 1200 mm Rodas filters

Maximum pressure: 2.5 kg/cm<sup>2</sup>

Ø 1050 mm filters

Filter length (mm)	Filtration velocity m <sup>3</sup> /h/m <sup>2</sup>	Outlet Ø mm	Flow rate m <sup>3</sup> /h	Code	Standard Packaging	Standard Weight Kg	Standard Volume m <sup>3</sup>
1900	20	75	34	05102	1	230	2.95
	30	90	52	05105	1	230	2.95
	40	110	69	05108	1	230	2.95
2300	20	110	42	11331	1	280	3.57
	30	125	64	11332	1	280	3.57
	40	140	85	11333	1	280	3.57
2500	20	110	46	24842	1	305	3.88
	30	125	70	24843	1	305	3.88
	40	140	93	24844	1	305	3.88
2700	20	110	50	11334	1	330	4.20
	30	125	75	11335	1	330	4.20
	40	140	100	11336	1	330	4.20
3000	20	110	56	22647	1	370	4.67
	30	140	84	22648	1	370	4.67
	40	160	112	22649	1	370	4.67

Ø 1200 mm filters

Filter length (mm)	Filtration velocity m <sup>3</sup> /h/m <sup>2</sup>	Outlet Ø mm	Flow rate m <sup>3</sup> /h	Code	Standard Packaging	Standard Weight Kg	Standard Volume m <sup>3</sup>
1900	20	110	39	22650	1	270	3.08
	30	125	59	22651	1	270	3.08
	40	140	79	22652	1	270	3.08
2300	20	110	48	22653	1	330	3.73
	30	140	73	22654	1	330	3.73
	40	160	97	22655	1	330	3.73
2500	20	125	53	24845	1	360	4.05
	30	140	79	24846	1	360	4.05
	40	160	106	24847	1	360	4.05
2700	20	125	57	22656	1	390	4.38
	30	140	86	22657	1	390	4.38
	40	160	115	22658	1	390	4.38
3000	20	125	64	22659	1	435	4.86
	30	140	96	22660	1	435	4.86
	40	160	129	22661	1	435	4.86

See the sand, gravel and glass media charges on the next page

Filter bed  
depth 0.6 m

## BOBBIN WOUND FILTERS



Ø 1050 mm  
Ø 1200 mm

Ø 1050 mm and Ø 1200 mm Rodas filters

Maximum pressure: 4 kg/cm<sup>2</sup>

Ø 1050 mm filters

Filter length (mm)	Filtration velocity m <sup>3</sup> /h/m <sup>2</sup>	Outlet Ø mm	Flow rate m <sup>3</sup> /h	Code	Standard Packaging	Standard Weight Kg	Standard Volume m <sup>3</sup>
1900	20	75	34	07124	1	270	2.95
	30	90	52	07125	1	270	2.95
	40	110	69	07126	1	270	2.95
2300	20	110	42	11321	1	330	3.57
	30	125	64	11322	1	330	3.57
	40	140	85	11323	1	330	3.57
2500	20	110	46	25016	1	355	3.88
	30	125	70	25017	1	355	3.88
	40	140	93	25018	1	355	3.88
2700	20	110	50	11326	1	380	4.20
	30	125	75	11327	1	380	4.20
	40	140	100	11328	1	380	4.20
3000	20	110	56	22683	1	420	4.67
	30	140	84	22684	1	420	4.67
	40	160	112	20895	1	420	4.67

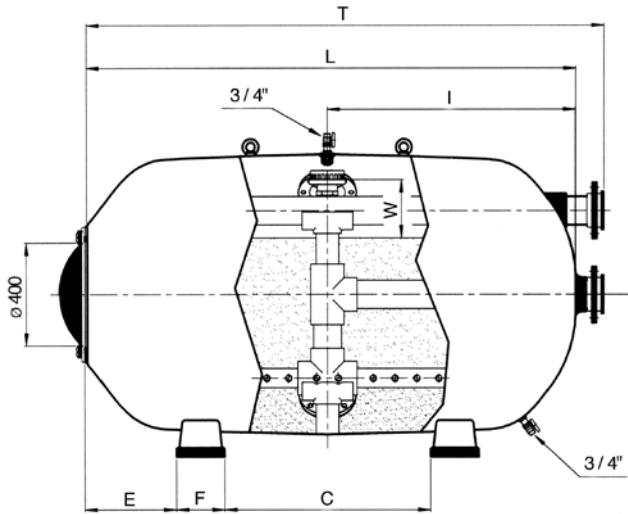
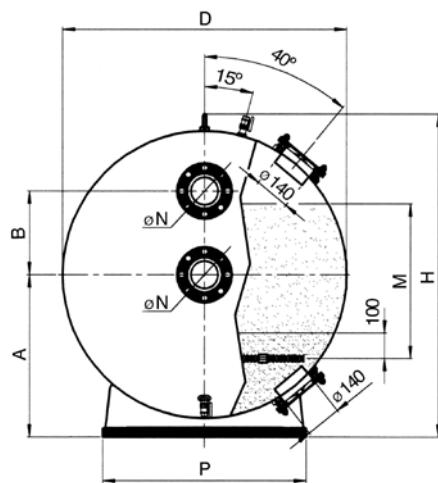
Ø 1200 mm filters

Filter length (mm)	Filtration velocity m <sup>3</sup> /h/m <sup>2</sup>	Outlet Ø mm	Flow rate m <sup>3</sup> /h	Code	Standard Packaging	Standard Weight Kg	Standard Volume m <sup>3</sup>
1900	20	110	39	22685	1	310	3.08
	30	125	59	22686	1	310	3.08
	40	140	79	22687	1	310	3.08
2300	20	110	48	22688	1	375	3.73
	30	140	73	22689	1	375	3.73
	40	160	97	20897	1	375	3.73
2500	20	125	53	25019	1	410	4.05
	30	140	79	25020	1	410	4.05
	40	160	106	25021	1	410	4.05
2700	20	125	57	22690	1	440	4.38
	30	140	86	22691	1	440	4.38
	40	160	115	20898	1	440	4.38
3000	20	125	64	22692	1	480	4.86
	30	140	96	22693	1	480	4.86
	40	160	129	20899	1	480	4.86

Filter length (mm)	Ø 1050 filters					Ø 1200 filters				
	1900	2300	2500	2700	3000	1900	2300	2500	2700	3000
Sand load (kg)	950	1250	1525	1800	2250	1100	1425	1750	2075	2325
Gravel load (kg)	350	475	575	700	775	425	550	700	825	925
Grade 1 glass load (57011) (kg)	673	893	1087	1294	1568	789	10022	1268	1501	1682
Grade 2 glass load (57012) (kg)	220	292	355	423	512	258	334	414	490	549
Grade 2 glass load (57012) (kg)	242	321	391	465	564	284	368	456	540	605

## BOBBIN WOUND FILTERS

Ø 1050 mm and Ø 1200 mm Rodas filters



Length (mm)	Filtration velocity $m^3/h/m^2$	$\emptyset$ N (mm)	2,5 bar	4 bar	Flow rate $m^3/h$	Filtration area ( $m^2$ )	Volume (l)	A (mm)	B (mm)	C (mm)	E (mm)	F (mm)	H (mm)	I (mm)	P (mm)	T (mm)	W (mm)	Total operating weight (kg)	Sand load			
			Code	Code															Granulometry			
<b>Diameter 1050 mm - Filter bed depth 0.6 m.</b>																						
1900	20	75	DN65	05102	07124	34	1,72	1480	630	325	760	380	190	1260	950	800	2160	170	2530	350	950	
	30	90	DN80	05105	07125	52																
	40	110	DN100	05108	07126	69																
2300	20	110	DN100	11331	11321	42	2,12	1820	630	325	1000	460	190	1260	1150	800	2560	170	3100	475	1250	
	30	125	DN110	11332	11322	64																
	40	140	DN125	11333	11323	85																
2500	20	110	DN100	24842	25016	46	2,32	2000	630	325	1120	500	190	1260	1250	800	2760	170	3380	575	1525	
	30	125	DN110	24843	25017	70																
	40	140	DN125	24844	25018	93																
2700	20	110	DN100	11334	11326	50	2,51	2170	630	325	1240	540	190	1260	1350	800	2960	170	3670	700	1800	
	30	125	DN110	11335	11327	75																
	40	140	DN125	11336	11328	100																
3000	20	110	DN100	22647	22683	56	2,81	2430	630	325	1420	600	190	1260	1500	800	3260	170	4100	775	20250	
	30	140	DN125	22648	22684	84																
	40	160	DN150	22649	20895	112																
<b>Diameter 1200 mm - Filter bed depth 0.6 m.</b>																						
1900	20	75	DN100	22650	22685	39	1,96	1900	725	325	760	380	200	1390	950	900	2130	225	3220	425	1100	
	30	90	DN110	22651	22686	59																
	40	110	DN125	22652	22687	79																
2300	20	110	DN100	22653	22688	48	2,42	2350	725	325	1000	460	200	1390	1150	900	2530	225	3960	550	1425	
	30	125	DN125	22654	22689	73																
	40	140	DN150	22655	20897	97																
2500	20	110	DN110	24845	25019	53	2,65	2580	725	325	1120	500	200	1390	1250	900	2750	225	4320	700	1750	
	30	125	DN125	24846	25020	79																
	40	140	DN150	24847	25021	106																
2700	20	110	DN110	22656	22690	57	2,87	2800	725	325	1240	540	200	1390	1350	900	2950	225	4690	825	2075	
	30	125	DN125	22657	22691	86																
	40	140	DN150	22658	20898	115																
3000	20	110	DN110	22659	22692	64	3,21	3140	725	325	1420	600	200	1390	1500	900	3250	225	5240	925	2325	
	30	140	DN125	22660	22693	96																
	40	160	DN150	22661	20899	129																

MEDIA RECOMMENDATIONS - Sand = 1.4 Kg/dm<sup>3</sup> - Gravel = 1.5 Kg/dm<sup>3</sup>

Filtration bed 0.8  
and 1 m



DOES NOT INCLUDE  
VALVE MANIFOLD

Ø 1400 mm  
Ø 1600 mm  
Ø 1800 mm

Optional:  
Standard American sizes

## BOBBIN WOUND FILTERS

Ø 1400 mm and Ø 1600 mm Rodas filters

### General features:

- 100% resistant to corrosion unlike conventional steel filters
- Maximum operating temperature 50° C
- Comply with European standards for pressure vessels 97/23/CE included in section 3 of article 3
- Hydraulic pressure test 1.5 times the maximum admissible pressure

### Fitted with:

- Pressure gauge panel
- Manual air vent and water purge
- Ø 400 mm lateral manhole

### Characteristics of internal components:

- Internal components and pipe in PVC
- PP laterals with 0.3 slots
- Bolts, nuts and washers in AISI-316
- EPDM seals and gaskets.

Maximum pressure: 2.5 kg/cm<sup>2</sup>.

Filters Ø 1400 mm - Filtration bed 0.8 m

Filter length (mm)	Filtration velocity m <sup>3</sup> /h/m <sup>2</sup>	Outlet Ø mm	Flow rate m <sup>3</sup> /h	Code	Standard Packaging	Standard Weight Kg	Standard Volume m <sup>3</sup>
1900	20	110	45	24848	1	340	4.84
	30	125	67	24849	1	340	4.84
	40	140	89	24850	1	340	4.84
2500	20	110	60	24854	1	435	6.23
	30	140	91	24855	1	435	6.23
	40	160	121	24856	1	435	6.23
3000	20	125	73	24860	1	530	7.44
	30	160	110	24861	1	530	7.44
	40	200	147	24862	1	530	7.44

Filters Ø 1600 mm - Filtration bed 1 m

Filter length (mm)	Filtration velocity m <sup>3</sup> /h/m <sup>2</sup>	Outlet Ø mm	Flow rate m <sup>3</sup> /h	Code	Standard Packaging	Standard Weight Kg	Standard Volume m <sup>3</sup>
1900	20	110	49	22662	1	400	5.49
	30	140	74	22663	1	400	5.49
	40	160	99	22664	1	400	5.49
2500	20	140	67	24866	1	520	7.18
	30	160	101	24867	1	520	7.18
	40	200	134	24868	1	520	7.18
3000	20	140	82	22671	1	620	8.60
	30	160	123	22672	1	620	8.60
	40	200	164	22673	1	620	8.60

See the sand, gravel and glass loads on page 487

Filtration bed 0.8  
and 1 m



DOES NOT INCLUDE  
VALVE MANIFOLD

**Ø 1400 mm**  
**Ø 1600 mm**  
**Ø 1800 mm**

Optional:  
Standard American sizes

## BOBBIN WOUND FILTERS

Ø 1400 mm, Ø 1600 mm and Ø 1800 mm Rodas filters

Maximum pressure: 2.5 kg/cm<sup>2</sup>.

Filters Ø 1800 mm - Filtration bed 1 m

Filter length (mm)	Filtration velocity m <sup>3</sup> /h/m <sup>2</sup>	Outlet Ø mm	Flow rate m <sup>3</sup> /h	Code	Standard Packaging	Standard Weight Kg	Standard Volume m <sup>3</sup>
2500	20	125	75	24875	1	585	10.40
	30	160	112	24876	1	585	10.40
	40	200	150	24877	1	585	10.40
3000	20	140	92	24881	1	700	12.25
	30	160	137	24882	1	700	12.25
	40	200	183	24883	1	700	12.25
3500	20	140	108	24887	1	875	14.20
	30	200	162	24888	1	875	14.20
	40	225	216	24889	1	875	14.20
4000	20	160	125	24893	1	930	16.00
	30	200	187	24894	1	930	16.00
	40	225	250	24895	1	930	16.00

Maximum pressure: 4 kg/cm<sup>2</sup>

Filters Ø 1400 mm - Filtration bed 0.8 m

Filter length (mm)	Filtration velocity m <sup>3</sup> /h/m <sup>2</sup>	Outlet Ø mm	Flow rate m <sup>3</sup> /h	Code	Standard Packaging	Standard Weight Kg	Standard Volume m <sup>3</sup>
1900	20	110	45	25022	1	385	4.84
	30	125	67	25023	1	385	4.84
	40	140	89	25024	1	385	4.84
2500	20	110	60	25028	1	485	6.23
	30	140	91	25029	1	485	6.23
	40	160	121	25030	1	485	6.23
3000	20	125	73	25034	1	585	7.44
	30	160	110	25035	1	585	7.44
	40	200	147	25036	1	585	7.44

See the sand, gravel and glass media charges on the next page

Filtration bed 0.8  
and 1 m



DOES NOT INCLUDE  
VALVE MANIFOLD

Ø 1400 mm  
Ø 1600 mm  
Ø 1800 mm

Optional:  
Standard American sizes

## BOBBIN WOUND FILTERS

Ø 1400 mm, Ø 1600 mm and Ø 1800 mm Rodas filters

Maximum pressure: 4 kg/cm<sup>2</sup>

Filters Ø 1600 mm - Filtration bed 1 m

Filter length (mm)	Filtration velocity m <sup>3</sup> /h/m <sup>2</sup>	Outlet Ø mm	Flow rate m <sup>3</sup> /h	Code	Standard Packaging	Standard Weight Kg	Standard Volume m <sup>3</sup>
1900	20	110	49	22694	1	450	5.49
	30	140	74	22695	1	450	5.49
	40	160	99	20900	1	450	5.49
2500	20	140	67	25040	1	570	7.18
	30	160	101	25041	1	570	7.18
	40	200	134	25042	1	570	7.18
3000	20	140	82	22700	1	685	8.60
	30	160	123	22701	1	685	8.60
	40	200	164	20903	1	685	8.60

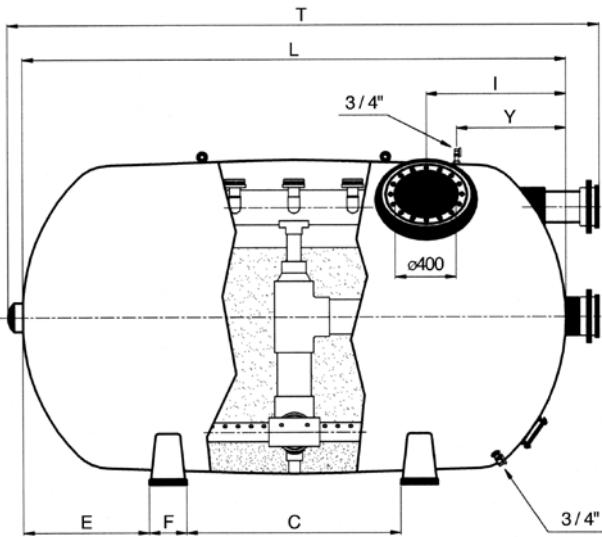
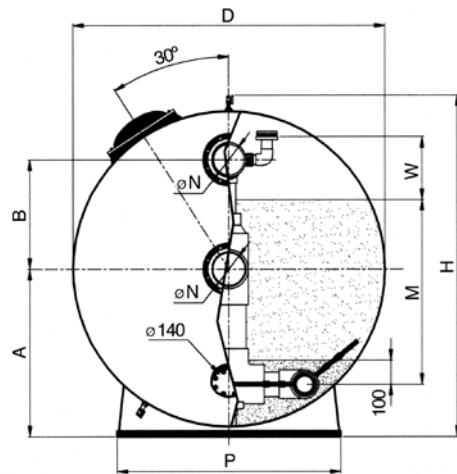
Filters Ø 1800 mm - Filtration bed 1 m

Filter length (mm)	Filtration velocity m <sup>3</sup> /h/m <sup>2</sup>	Outlet Ø mm	Flow rate m <sup>3</sup> /h	Code	Standard Packaging	Standard Weight Kg	Standard Volume m <sup>3</sup>
2500	20	125	75	25049	1	680	10.40
	30	160	112	25050	1	680	10.40
	40	200	150	25051	1	680	10.40
3000	20	140	92	25055	1	805	12.25
	30	160	137	25056	1	805	12.25
	40	200	183	25057	1	805	12.25
3500	20	140	108	25061	1	930	14.20
	30	200	162	25062	1	930	14.20
	40	225	216	25063	1	930	14.20
4000	20	160	125	25067	1	1055	16.00
	30	200	187	25068	1	1055	16.00
	40	225	250	25069	1	1055	16.00

	Ø 1400 filters			Ø 1600 filters			Ø 1800 filters			
Filter length (mm)	1900	2500	3000	1900	2500	3000	2500	3000	3500	4000
Sand load (kg)	2100	2825	3450	2850	3875	4750	4850	5925	7000	8075
Gravel load (kg)	575	800	1000	600	850	1050	975	1225	1475	1700
Grade 1 glass load (57011) (kg)	1389	1882	2310	1796	2458	3018	3033	3722	4411	5087
Grade 2 glass load (57012) (kg)	454	615	754	586	803	986	991	1216	1441	1662
Grade 2 glass load (57012) (kg)	500	677	831	646	884	1085	1091	1338	1586	1830

## BOBBIN WOUND FILTERS

Ø 1400 mm, Ø 1600 mm and Ø 1800 mm Rodas filters



Length (mm)	Filtration velocity m <sup>3</sup> /h/m <sup>2</sup> )	Ø N (mm)		2,5 bar	4 bar	Flow rate m <sup>3</sup> /h	Filtration area (m <sup>2</sup> )	Volume (l)	A (mm)	B (mm)	C (mm)	E (mm)	F (mm)	H (mm)	I (mm)	P (mm)	T (mm)	W (mm)	Y (mm)	Total operating weight (kg)	Sand load Granulometry 1 - 1.2 mm	0.4 - 0.8 mm	
		Code	Code	Code	Code	m <sup>3</sup> /h	m <sup>2</sup>	l	(mm)	(kg)													
<b>Diameter 1400 mm - Filter bed depth 0.8–1.2 m.</b>																							
1900	20	110	DN100	24848	25022	45	2.23	2530	810	390	720	380	210	1600	820	1080	2160	220	1380	4250	575	2100	
	30	125	DN110	24849	25023	67																	
	40	140	DN125	24850	25024	89																	
2500	20	110	DN100	24854	25028	60	3.02	3460	810	390	1080	500	210	1600	820	1080	2780	220	1380	5740	800	2825	
	30	140	DN125	24855	25029	91																	
	40	160	DN150	24856	25030	121																	
3000	20	125	DN110	24860	25034	73	3.67	4230	810	390	1380	600	210	1600	820	1080	3320	220	1380	6990	1000	3450	
	30	160	DN150	24861	25035	110																	
	40	200	DN175	24862	25036	147																	
<b>Diameter 1600 mm - Filter bed depth 1–1.2 m,</b>																							
1900	20	110	DN100	22662	22694	49	2.47	3220	925	475	470	475	240	1830	800	1230	2220	250	1380	5420	600	2850	
	30	140	DN125	22663	22695	74																	
	40	160	DN150	22664	20900	99																	
2500	20	140	DN125	24866	25040	67	3.36	4430	925	475	1020	500	240	1830	800	1230	2820	250	1380	7400	850	3875	
	30	160	DN150	24867	25041	101																	
	40	200	DN175	24868	25042	134																	
3000	20	140	DN125	22671	22700	82	4.1	5430	925	475	1320	600	240	1830	800	1230	3360	250	1380	9020	1050	4750	
	30	160	DN150	22672	22701	123																	
	40	200	DN175	22673	20903	164																	
<b>Diameter 1800 mm - Filter bed depth 1–1.2 m,</b>																							
2500	20	125	DN110	24875	25049	75	3.74	5530	1040	550	1020	380	270	2050	870	1380	2820	350	1250	9170	975	4850	
	30	160	DN150	24876	25050	112																	
	40	200	DN175	24877	25051	150																	
3000	20	140	DN125	24881	25055	92	4.58	6800	1040	550	1320	460	270	2050	870	1380	3320	350	1500	11230	1225	5925	
	30	160	DN150	24882	25056	137																	
	40	200	DN175	24883	25057	183																	
3500	20	140	DN125	24887	25061	108	5.41	8070	1040	550	1620	500	270	2050	870	1380	3850	350	1750	13290	1475	7000	
	30	200	DN175	24888	25062	162																	
	40	225	DN200	24889	25063	216																	
4000	20	160	DN150	24893	25067	125	6.25	9340	1040	550	1920	540	270	2050	870	1380	4350	350	2000	15350	1700	8075	
	30	200	DN175	24894	25068	187																	
	40	225	DN200	24895	25069	250																	

MEDIA RECOMMENDATIONS - Sand = 1.4 Kg/dm<sup>3</sup> - Gravel = 1.5 Kg/dm<sup>3</sup>

Filtration bed  
1 and 1.2 m



DOES NOT INCLUDE  
VALVE MANIFOLD

Ø 2000 mm  
Ø 2350 mm

Optional:  
Standard American sizes

## BOBBIN WOUND FILTERS

Ø 2000 mm and Ø 2350 mm Rodas filters

### General features:

- 100% resistant to corrosion unlike conventional steel filters
- Maximum operating temperature 50° C
- Comply with European standards for pressure vessels 97/23/CE included in section 3 of article 3
- Hydraulic pressure test 1.5 times the maximum admissible pressure

### Fitted with:

- Pressure gauge panel
- Manual air vent and water purge
- Ø 400 mm lateral manhole

### Characteristics of internal components:

- Internal components and pipe in PVC
- PP laterals with 0.3 slots
- Bolts, nuts and washers in AISI-316
- EPDM seals and gaskets.

Maximum pressure: 2.5 kg/cm<sup>2</sup>.

Filters Ø 2000 mm

Filter length (mm)	Filtration velocity m <sup>3</sup> /h/m <sup>2</sup>	Outlet Ø mm	Flow rate m <sup>3</sup> /h	Code	Standard Packaging	Standard Weight Kg	Standard Volume m <sup>3</sup>
2500	20	140	87	05103	1	650	13.20
	30	160	130	05106	1	650	13.20
	40	200	174	05109	1	650	13.20
3000	20	140	106	24899	1	775	15.65
	30	160	159	24900	1	775	15.65
	40	200	212	24901	1	775	15.65
3500	20	160	125	05104	1	900	18.10
	30	200	187	05107	1	900	18.10
	40	225	250	05110	1	900	18.10
4000	20	160	144	24908	1	1025	20.55
	30	200	216	24909	1	1025	20.55
	40	225	288	24910	1	1025	20.55
4500	20	200	163	24914	1	1150	23.00
	30	225	245	24915	1	1150	23.00
	40	250	326	24916	1	1150	23.00

See the sand, gravel and glass loads on page 491

Filtration bed  
1 and 1.2 m

## BOBBIN WOUND FILTERS



DOES NOT INCLUDE  
VALVE MANIFOLD

Ø 2000 mm  
Ø 2350 mm

Optional:  
Standard American sizes

Ø 2000 mm and Ø 2350 mm Rodas filters

Maximum pressure: 2.5 kg/cm<sup>2</sup>.

Filters Ø 2350 mm

Filter length (mm)	Filtration velocity m <sup>3</sup> /h/m <sup>2</sup>	Outlet Ø mm	Flow rate m <sup>3</sup> /h	Code	Standard Packaging	Standard Weight Kg	Standard Volume m <sup>3</sup>
3000	20	160	119	24917	1	1350	20.25
	30	200	178	24918	1	1350	20.25
	40	225	238	24919	1	1350	20.25
3500	20	160	141	17120	1	1500	23.00
	30	200	212	16696	1	1500	23.00
	40	225	282	17121	1	1500	23.00
4000	20	200	163	24926	1	1650	25.75
	30	225	245	24927	1	1650	25.75
	40	250	327	24928	1	1650	25.75
4500	20	200	186	22674	1	1800	28.50
	30	225	279	22675	1	1800	28.50
	40	250	371	22676	1	1800	28.50
5000	20	200	208	24935	1	1950	31.25
	30	250	312	24936	1	1950	31.25
	40	350	416	24937	1	1950	31.25

Maximum pressure: 4 kg/cm<sup>2</sup>

Filters Ø 2000 mm

Filter length (mm)	Filtration velocity m <sup>3</sup> /h/m <sup>2</sup>	Outlet Ø mm	Flow rate m <sup>3</sup> /h	Code	Standard Packaging	Standard Weight Kg	Standard Volume m <sup>3</sup>
2500	20	140	87	07127	1	795	13.20
	30	160	130	07128	1	795	13.20
	40	200	174	07129	1	795	13.20
3000	20	140	106	25073	1	945	15.65
	30	160	159	25074	1	945	15.65
	40	200	212	25075	1	945	15.65
3500	20	160	125	07130	1	1100	18.10
	30	200	187	07131	1	1100	18.10
	40	225	250	07132	1	1100	18.10
4000	20	160	144	25082	1	1260	20.55
	30	200	216	25083	1	1260	20.55
	40	225	288	25084	1	1260	20.55
4500	20	200	163	25088	1	1420	23.00
	30	225	245	25089	1	1420	23.00
	40	250	326	25090	1	1420	23.00

See the sand, gravel and glass media charges on the next page

Filtration bed  
1 and 1.2 m



DOES NOT INCLUDE  
VALVE MANIFOLD

Ø 2000 mm  
Ø 2350 mm

Optional:  
Standard American sizes

## BOBBIN WOUND FILTERS

Ø 2000 mm and Ø 2350 mm Rodas filters

Maximum pressure: 4 kg/cm<sup>2</sup>

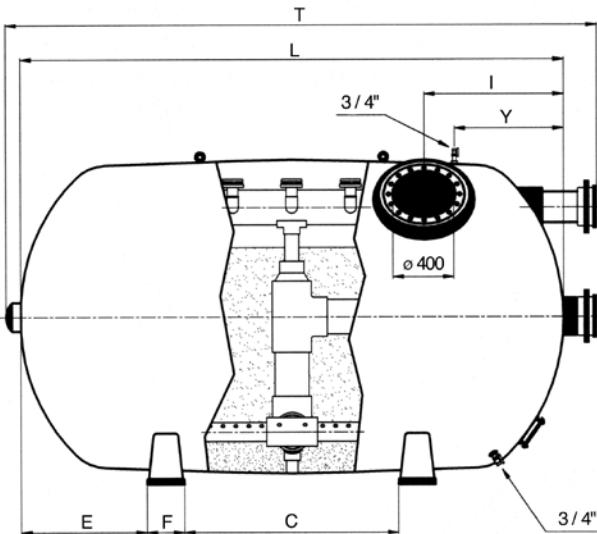
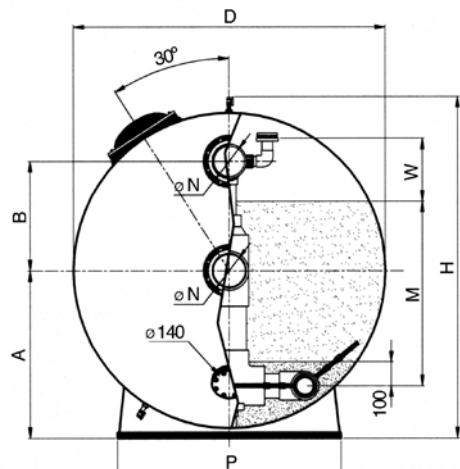
Filters Ø 2350 mm

Filter length (mm)	Filtration velocity m <sup>3</sup> /h/m <sup>2</sup>	Outlet Ø mm	Flow rate m <sup>3</sup> /h	Code	Standard Packaging	Standard Weight Kg	Standard Volume m <sup>3</sup>
3000	20	160	119	25091	1	1150	20.25
	30	200	178	25092	1	1150	20.25
	40	225	238	25093	1	1150	20.25
3500	20	160	141	22702	1	1300	23.00
	30	200	212	22703	1	1300	23.00
	40	225	282	22704	1	1300	23.00
4000	20	200	163	25100	1	1450	25.75
	30	225	245	25101	1	1450	25.75
	40	250	327	25102	1	1450	25.75
4500	20	200	186	22705	1	1600	28.50
	30	225	279	22706	1	1600	28.50
	40	250	371	22707	1	1600	28.50
5000	20	200	208	25109	1	1750	31.25
	30	250	312	25110	1	1750	31.25
	40	350	416	25111	1	1750	31.25

Filter length (mm)	Ø 2000 filters					Ø 2350 filters				
	2500	3000	3500	4000	4500	3000	3500	4000	4500	5000
Sand load (kg)	6575	8025	9475	10925	12375	9300	11050	12800	14525	16250
Gravel load (kg)	1050	1300	1550	1800	2075	2575	3125	3650	4200	4750
Grade 1 glass load (57011) (kg)	3976	4862	5748	6634	7533	6166	7359	8540	9720	10900
Grade 2 glass load (57012) (kg)	1299	1588	1877	2167	2460	2014	2404	2789	3175	3560
Grade 2 glass load (57012) (kg)	1430	1748	2067	2386	2709	2218	2647	3071	3495	3920

## BOBBIN WOUND FILTERS

Ø 2000 mm and Ø 2350 mm Rodas filters



Length (mm)	Filtration velocity m <sup>3</sup> /h/m <sup>2</sup> )	Ø N (mm)		2.5 bar	4 bar	Flow rate m <sup>3</sup> /h	Filtration area (m <sup>2</sup> )	Volume (l)	A (mm)	B (mm)	* C (mm)	E (mm)	F (mm)	H (mm)	I (mm)	P (mm)	T (mm)	W (mm)	Y (mm)	Total operating weight (kg)		Sand load		
		Code	Code	Code	Code	Code	Code															Granulometry 1 - 1.2 mm	0.4 - 0.8 mm	
<b>Diameter 2000 mm - Filter bed depth 1-1.2 m</b>																								
2500	20	140	DN125	05103	07127	87	4.34	6900	1090	710	500	500	2220	925	1470	2820	410	1250	11300	1050	6575	M=1.2 m	M=1,2 m	
	30	160	DN150	05106	07128	130																		
	40	200	DN175	05109	07129	174																		
3000	20	140	DN125	24899	25073	106	5.3	8470	1090	710	810	600	500	2220	925	1470	3320	410	1500	13790	1300	8025	M=1.2 m	M=1,2 m
	30	160	DN150	24900	25074	159																		
	40	200	DN175	24901	25075	212																		
3500	20	160	DN150	05104	07130	125	6.25	10040	1090	710	1070	725	500	2220	925	1470	3850	410	1750	16280	1550	9475	M=1.2 m	M=1,2 m
	30	200	DN175	05107	07131	187																		
	40	225	DN200	05110	07132	250																		
4000	20	160	DN150	24908	25082	144	7.21	11600	1090	710	650	600	500	2220	925	1470	4350	410	2000	18780	1800	10925	M=1.2 m	M=1,2 m
	30	200	DN175	24909	25083	216																		
	40	225	DN200	24910	25084	288																		
4500	20	200	DN175	24914	25088	163	8.16	13180	1090	710	795	600	500	2220	925	1470	4880	410	2250	21380	2075	12375	M=1.2 m	M=1,2 m
	30	225	DN200	24915	25089	245																		
	40	250	DN225	24916	25090	326																		
<b>Diameter 2350 mm - Filter bed depth 1-1.2 m</b>																								
3000	20	160	DN150	24917	25091	119	5.94	11130	1270	710	800	600	500	2560	925	1740	3350	500	1500	18300	2575	9300	M=1.2 m	M=1,2 m
	30	200	DN175	24918	25092	178																		
	40	225	DN200	24919	25093	238																		
3500	20	160	DN150	17120	22702	141	7.06	13300	1270	710	1100	700	500	2560	925	1740	3850	500	1750	21790	3125	11050	M=1.2 m	M=1,2 m
	30	200	DN175	16696	22703	212																		
	40	225	DN200	17121	22704	282																		
4000	20	200	DN175	24926	25100	163	8.17	15470	1270	710	650	600	500	2560	925	1740	4380	500	2000	25280	3650	12800	M=1.2 m	M=1,2 m
	30	225	DN200	24927	25101	245																		
	40	250	DN225	24928	25102	327																		
4500	20	200	DN175	22674	22705	186	9.28	17640	1270	710	820	700	500	2560	925	1740	4880	500	2250	28880	4200	14525	M=1.2 m	M=1,2 m
	30	225	DN200	22675	22706	279																		
	40	250	DN225	22676	22707	371																		
5000	20	200	DN175	24935	25109	208	10.4	19800	1270	710	600	600	500	2560	925	1740	5440	500	2500	32380	4750	16250	M=1.2 m	M=1,2 m
	30	250	DN225	24936	25110	312																		
	40	315	DN250	24937	25111	416																		

MEDIA RECOMMENDATIONS : Hydroanthracite = 0.8 Kg/dm<sup>3</sup> - Sand = 1.4 Kg/dm<sup>3</sup> - Gravel = 1.5 Kg/dm<sup>3</sup>

\*With lengths (dimension L) of 4000 mm or more, an additional central support is provided.

Filtration bed  
1 and 1.2 m



DOES NOT INCLUDE  
VALVE MANIFOLD

Ø 2500 mm

Optional:  
Standard American sizes

LARGE FILTERS OF  
MORE THAN 3000 mm  
WILL BE SHIPPED BY  
SPECIAL DELIVERY. ASK  
YOUR DEALER ABOUT  
ADDITIONAL COSTS.  
ABOUT ADDITIONAL  
COSTS.

## BOBBIN WOUND FILTERS

Ø 2500 mm Rodas filters

### General features:

- 100% resistant to corrosion unlike conventional steel filters
- Maximum operating temperature 50° C
- Comply with European standards for pressure vessels 97/23/CE included in section 3 of article 3
- Hydraulic pressure test 1.5 times the maximum admissible pressure

### Fitted with:

- Pressure gauge panel
- Manual air vent and water purge
- Ø 400 mm lateral manhole

### Characteristics of internal components:

- Internal components and pipe in PVC
- PP laterals with 0.3 slots
- Bolts, nuts and washers in AISI-316
- EPDM seals and gaskets.

Maximum pressure: 2.5 kg/cm<sup>2</sup>.

Filters Ø 2500 mm

Filter length (mm)	Filtration velocity m <sup>3</sup> /h/m <sup>2</sup>	Outlet Ø mm	Flow rate m <sup>3</sup> /h	Code	Standard Packaging	Standard Weight Kg	Standard Volume m <sup>3</sup>
3500	20	160	149	24938	1	1285	28.00
	30	200	223	24939	1	1285	28.00
	40	225	297	24940	1	1285	28.00
4000	20	200	172	22677	1	1450	31.80
	30	225	258	22678	1	1450	31.80
	40	250	345	22679	1	1450	31.80
4500	20	200	196	24947	1	1615	35.55
	30	250	294	24948	1	1615	35.55
	40	315	392	24949	1	1615	35.55
5000	20	200	220	22680	1	1780	39.30
	30	250	329	22681	1	1780	39.30
	40	315	439	22682	1	1780	39.30

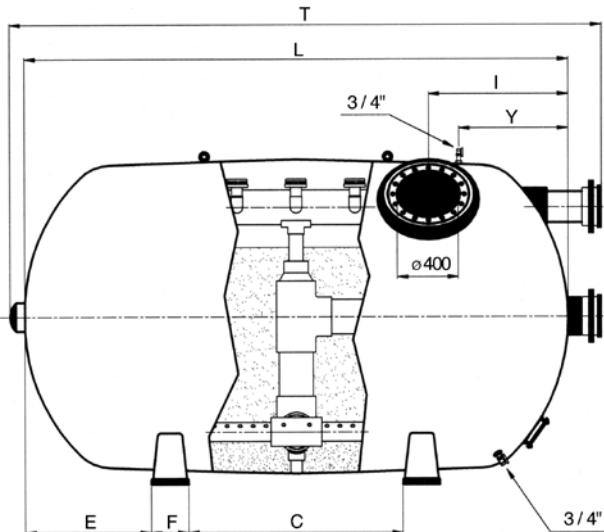
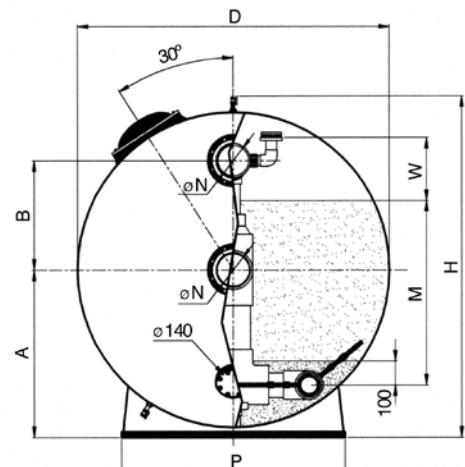
Maximum pressure: 4 kg/cm<sup>2</sup>

Filters Ø 2500 mm

Filter length (mm)	Filtration velocity m <sup>3</sup> /h/m <sup>2</sup>	Outlet Ø mm	Flow rate m <sup>3</sup> /h	Code	Standard Packaging	Standard Weight Kg	Standard Volume m <sup>3</sup>
3500	20	160	149	25112	1	1505	28.00
	30	200	223	25113	1	1505	28.00
	40	225	297	25114	1	1505	28.00
4000	20	200	172	22708	1	1670	31.80
	30	225	258	22709	1	1670	31.80
	40	250	345	22710	1	1670	31.80
4500	20	200	196	25121	1	1835	35.55
	30	250	294	25122	1	1835	35.55
	40	315	392	25123	1	1835	35.55
5000	20	200	220	22711	1	2000	39.30
	30	250	329	22712	1	2000	39.30
	40	315	439	22713	1	2000	39.30

## BOBBIN WOUND FILTERS

Ø 2500 mm Rodas filters



Length (mm)	Filtering velocity (m <sup>3</sup> /h/m <sup>2</sup> )	Ø N (mm)		2,5 bar	4 bar	Flow rate m <sup>3</sup> /h	Filtration area (m <sup>2</sup> )	Volume (l)	A (mm)	B (mm)	* C (mm)	E (mm)	F (mm)	H (mm)	I (mm)	P (mm)	T (mm)	W (mm)	Y (mm)	Total operating weight (kg)	Sand load		
		Code	Code																		Granulometry 1 - 1.2 mm	0.4 - 0.8 mm	
<b>Diameter 2500 mm - Filter bed depth 1-1.2 m</b>																							
3500	20	160	DN150	24938	25112	149	7.34	14920	1360	710	960	770	500	2710	1300	1850	3850	500	1750	24320	3175 M=1,2 m	11675 M=1,2 m	
	30	200	DN175	24939	25113	223																	
	40	225	DN200	24940	25114	297																	
4000	20	200	DN175	22677	22708	172	8.62	17380	1360	710	500	750	500	2710	1300	1850	4380	500	2000	28250	3725 M=1,2 m	13500 M=1,2 m	
	30	225	DN200	22678	22709	258																	
	40	250	DN225	22679	22710	345																	
4500	20	200	DN175	24947	25121	196	9.80	19830	1360	710	750	750	500	2710	1300	1850	4940	500	2250	32300	4300 M=1,2 m	15350 M=1,2 m	
	30	250	DN225	24948	25122	294																	
	40	315	DN250	24949	25123	392																	
5000	20	200	DN175	22680	22711	220	10.98	22300	1360	710	500	750	500	2710	1300	1850	5440	500	2500	36230	4850 M=1,2 m	17200 M=1,2 m	
	30	250	DN225	22681	22712	329																	
	40	315	DN250	22682	22713	439																	

**MEDIA RECOMMENDATIONS : SAND = 1.4 KG/DM<sup>3</sup> - GRAVEL = 1.5 KG/DM<sup>3</sup>**

\*With lengths (dimension L) of 4000 mm or more, an additional central support is provided.

		Ø 2500 filters							
Filter length (mm)		3500		4000		4500		5000	
Sand load (kg)		11675		13500		15350		17200	
Gravel load (kg)		3175		3725		4300		4850	
Grade 1 glass load (57011) (kg)		7713		8945		10203		11448	
Grade 2 glass load (57012) (kg)		2519		2922		3333		3739	
Grade 2 glass load (57012) (kg)		2774		3217		3669		4117	

## VALVE MANIFOLDS

## Valve manifold - Coding



All manifolds are supplied  
disassembled and  
(See brackets on page 498)  
and disassembled.

Manual or automatically driven valve manifolds made of PVC (PN-10) with flanges for connection to filters as per DIN-2501 standard.

PVC butterfly valves and ball valves.

Automatic valve manifolds, driven either by electric power or pneumatically, for carrying out filtration, backwashing, rinsing and shut down of the filters. Fitted with two valves without safety blocks (electric) or dual action (pneumatic), and the remaining valves with safety blocks (electric) or spring return (pneumatic), to avoid accidentally emptying a pool.



**Assembly with control box**  
See page 497



**A: Electric driven without safety block**  
**B: Pneumatic driven spring return**

In order to facilitate sales and prices, a new code system for filter manifolds has been introduced to Catalogues. It consists in assigning a code to each model of manifold as shown in these tables. There is a total of 60 codes and subsequently, in order to determine exactly which filter is being referred to, a system of variations is used, given that the retail price does not vary.

To work out the variation the type and diameter of the filter must be identified, as the output diameters match the manifold code.

For manifolds with more than one filter please consult.

**Table showing filter type**

BB	Berlin bobbin wound filter - 0.6 m filter bed (FB)
BS	Praga bobbin wound filter
BA	Oslo bobbin wound filter
OL	Olot bobbin wound filter 1.2 m and 1.5 m filter bed
AM	Ampuria bobbin wound filter 1.2 m and 1.5 m filter bed
HZ	Rodas bobbin wound filter
EU	Europa laminated filter
VP	Vesubio laminated filter - 0.6 m filter bed
VI	Vic bobbin wound filter
VO	Vesubio laminated filter - 1 m filter bed

**Table showing filter diameter**

10	1050
12	1200
14	1400
16	1600
18	1800
20	2000
23	2350
25	2500
26	2600
28	2800
30	3000

**Examples:**

Manual manifold 4 Val. for Praga filter D.2000-140

Electric manifold 5 Val. for Praga filter D.1800-125

Manual manifold 5 Val. for Olot filter D.1200-125

Pneumatic manifold 5 Val. for Vic filter D.2350-160

Code	Var.	Mod.
1.- 00767	BS	20
2.- 00785E	BS	18
3.- 00785	OL	12
4.- 09177N	VI	23

**VALVE MANIFOLDS**

Optional features for manual manifolds: Standard American sizes

## Valve manifold for one filter

<b>Ø</b>	<b>Code</b>	<b>Description</b>	<b>Ø</b>	<b>Code</b>	<b>Description</b>
<b>Manual manifolds - 4-way valve</b>					
63	00747	4-WAY VALVE MANUAL MANIFOLD D. 63	63	00769	5-WAY VALVE MANUAL MANIFOLD D. 63
75	00749	4-WAY VALVE MANUAL MANIFOLD D. 75	75	00771	5-WAY VALVE MANUAL MANIFOLD D. 75
90	00754	4-WAY VALVE MANUAL MANIFOLD D. 90	90	00776	5-WAY VALVE MANUAL MANIFOLD D. 90
110	00758	4-WAY VALVE MANUAL MANIFOLD D.110	110	00780	5-WAY VALVE MANUAL MANIFOLD D.110
125	00763	4-WAY VALVE MANUAL MANIFOLD D.125	125	00785	5-WAY VALVE MANUAL MANIFOLD D.125
140	00767	4-WAY VALVE MANUAL MANIFOLD D.140	140	00789	5-WAY VALVE MANUAL MANIFOLD D.140
160	09205	4-WAY VALVE MANUAL MANIFOLD D.160	160	09177	5-WAY VALVE MANUAL MANIFOLD D.160
200	09160	4-WAY VALVE MANUAL MANIFOLD D.200	200	09180	5-WAY VALVE MANUAL MANIFOLD D.200
225	09164	4-WAY VALVE MANUAL MANIFOLD D.225	225	09185	5-WAY VALVE MANUAL MANIFOLD D.225
250	26244	4-WAY VALVE MANUAL MANIFOLD D.250	250	19133	5-WAY VALVE MANUAL MANIFOLD D.250
<b>Electric manifolds - 4-way valve</b>					
63	00747E	4-WAY VALVE ELECTRIC MANIFOLD D. 63	63	00769E	5-WAY VALVE ELECTRIC MANIFOLD D. 63
75	00749E	4-WAY VALVE ELECTRIC MANIFOLD D. 75	75	00771E	5-WAY VALVE ELECTRIC MANIFOLD D. 75
90	00754E	4-WAY VALVE ELECTRIC MANIFOLD D. 90	90	00776E	5-WAY VALVE ELECTRIC MANIFOLD D. 90
110	00758E	4-WAY VALVE ELECTRIC MANIFOLD D.110	110	00780E	5-WAY VALVE ELECTRIC MANIFOLD D.110
125	00763E	4-WAY VALVE ELECTRIC MANIFOLD D.125	125	00785E	5-WAY VALVE ELECTRIC MANIFOLD D.125
140	00767E	4-WAY VALVE ELECTRIC MANIFOLD D.140	140	00789E	5-WAY VALVE ELECTRIC MANIFOLD D.140
160	09205E	4-WAY VALVE ELECTRIC MANIFOLD D.160	160	09177E	5-WAY VALVE ELECTRIC MANIFOLD D.160
200	09160E	4-WAY VALVE ELECTRIC MANIFOLD D.200	200	09180E	5-WAY VALVE ELECTRIC MANIFOLD D.200
225	09164E	4-WAY VALVE ELECTRIC MANIFOLD D.225	225	09185E	5-WAY VALVE ELECTRIC MANIFOLD D.225
250	26244E	4-WAY VALVE ELECTRIC MANIFOLD D.250	250	19133E	5-WAY VALVE ELECTRIC MANIFOLD D.250
<b>Pneumatic manifolds - 4-way valve</b>					
63	00747N	4-WAY VALVE PNEUMATIC MANIFOLD D. 63	63	00769N	5-WAY VALVE PNEUMATIC MANIFOLD D. 63
75	00749N	4-WAY VALVE PNEUMATIC MANIFOLD D. 75	75	00771N	5-WAY VALVE PNEUMATIC MANIFOLD D. 75
90	00754N	4-WAY VALVE PNEUMATIC MANIFOLD D. 90	90	00776N	5-WAY VALVE PNEUMATIC MANIFOLD D. 90
110	00758N	4-WAY VALVE PNEUMATIC MANIFOLD D.110	110	00780N	5-WAY VALVE PNEUMATIC MANIFOLD D.110
125	00763N	4-WAY VALVE PNEUMATIC MANIFOLD D.125	125	00785N	5-WAY VALVE PNEUMATIC MANIFOLD D.125
140	00767N	4-WAY VALVE PNEUMATIC MANIFOLD D.140	140	00789N	5-WAY VALVE PNEUMATIC MANIFOLD D.140
160	09205N	4-WAY VALVE PNEUMATIC MANIFOLD D.160	160	09177N	5-WAY VALVE PNEUMATIC MANIFOLD D.160
200	09160N	4-WAY VALVE PNEUMATIC MANIFOLD D.200	200	09180N	5-WAY VALVE PNEUMATIC MANIFOLD D.200
225	09164N	4-WAY VALVE PNEUMATIC MANIFOLD D.225	225	09185N	5-WAY VALVE PNEUMATIC MANIFOLD D.225
250	26244N	4-WAY VALVE PNEUMATIC MANIFOLD D.250	250	19133N	5-WAY VALVE PNEUMATIC MANIFOLD D.250



PDB  
Product Database

Further information in **PRODUCTS**  
[www.astralpool.com](http://www.astralpool.com)

## CONTROL BOXES



### Control panel for valve manifolds

Control panel for electrically or pneumatically actuated manifolds of 4 or 5 valves. For automatic filtration, backwashing, rinsing and shut-down operations. Fitted with automatic programming installation that enables the execution of all the required operations and can be personalised to suit your requirements. Quick and easy installation with numbered terminal connection strip. Voltage 230 V single phase. Does not include valve manifold.

	Code	Pack. Standard	Weight kg Standard	Volume in m <sup>3</sup> Standard
--	------	-------------------	-----------------------	--------------------------------------

#### For 4 valves

- 2 valves without block, 2 valves with block. Electric actuator
- 2 valves double acting, 2 valves spring return. Pneumatic actuator

<b>41005</b>	1	6	0.04
<b>41009</b>	1	6	0.04

#### For 5 valves

- 2 valves without block, 3 valves with block. Electric actuator
- 2 valves double acting, 3 valves spring return. Pneumatic actuator

<b>41007</b>	1	6	0.04
<b>41011</b>	1	6	0.04

Distance between PVC valve manifold supports

Factory programmed automation as follows

Ø mm	RATED PRESSURE			
	0.4 MPa	0.6 MPa	1.0 MPa	1.6 MPa
10	-	-	-	0.3
12	-	-	-	0.3
16	-	-	-	0.3
20	-	-	-	0.4
25	-	-	0.5	0.5
32	-	-	0.6	0.6
40	-	0.8	0.8	0.8
50	-	0.9	0.9	0.9
63	1.0	1.0	1.0	1.0
75	1.0	1.0	1.2	1.2
90	1.0	1.2	1.3	1.4
110	1.2	1.3	1.5	1.7
125	1.3	1.5	1.7	1.9
140	1.3	1.6	1.8	2.0
160	1.5	1.7	2.0	2.2
180	1.6	1.8	2.1	2.4
200	1.7	1.9	2.3	2.6
225	1.8	2.1	2.5	2.9
250	1.8	2.2	2.6	3.0
280	2.0	2.3	2.8	3.2
315	2.1	2.5	3.0	3.5
355	2.2	2.7	3.2	3.8
400	2.4	2.8	3.4	4.0
450	2.5	3.0	3.7	4.3
500	2.7	3.2	3.9	4.6

Overhead PVC pressure pipes should be mounted on supports. The distance between them should be as shown in the table.

Distance between supports in m (according to UNE 53.399).

Actuator types	
Electric	Pneumatic
2 valves without block	2 double acting valves
2 valves with block	2 spring return valves
Program A	Program C
Code 41005	Code 41009
4 valves without block	4 valves without block
Program A	Program A
Code 41006	Code 41010
For 4 valves	
2 valves without block	2 double acting valves
3 valves with block	4 spring return valves
Program B	Program D
Code 41007	Code 41011
5 valves without block	5 double acting valves
Program B	Program B
Code 41008	Code 41012
For 5 valves	

These distances are based on a maximum temperature of 20 °C.

In the case of higher temperatures, the values shown should be multiplied by the following reduction coefficients:

- Between 20 and 30 °C, coefficient of 0.9
- Between 35 and 45 °C, coefficient of 0.85

In vertical installations, the distance between supports may be as shown in the table multiplied by 1.3.



## SUPPORTS FOR VALVE MANIFOLDS



## Valve manifold brackets

Easy assembly valve manifold brackets from Ø 63 mm for all filter types. Totally adjustable in height, consisting of vertical support pipes in zinc-plated steel, together with box of accessories.

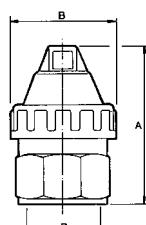
	Code	Pack. Standard	Weight kg Standard	Volume in m <sup>3</sup> Standard
<b>Zinc-plated steel</b>				
Height 1.85 m	28690	1	3.8	-
Height 2.30 m	28691	1	4.5	-
Height 3.0 m	28692	1	5.9	-
<b>Box of accessories consisting of:</b>				
<b>2 support brackets with anti-vibration clamps,</b>				
and fixing bolts and accessories				
For Ø 63 mm pipe	42598	1	1.5	0.011
For Ø 75 mm pipe	28693	1	1.5	0.011
For Ø 90 mm pipe	28694	1	1.5	0.011
For Ø 110 mm pipe	28695	1	1.5	0.011
For Ø 125 mm pipe	28696	1	1.5	0.011
For Ø 140 mm pipe	28697	1	1.5	0.011
For Ø 160 mm pipe	28698	1	2.5	0.011
For Ø 200 mm pipe	28699	1	2.5	0.011
For Ø 225 mm pipe	28700	1	2.5	0.011
<b>Accessory box for additional supports:</b>				
Fixing plug and protection cap	28701	1	-	-



## Wall brackets for valve manifold

For all filter type from Ø 63 mm pipe onwards. Consisting in zinc-plated steel support bracket with anti-vibration clamp and fixing screws. Supply: 1 vertical support with manifold bracket.

	Code	Pack. Standard	Weight kg Standard	Volume in m <sup>3</sup> Standard
For Ø 63 mm pipe	35585	1	1.0	0.007
For Ø 75 mm pipe	00855	1	1.2	0.007
For Ø 90 mm pipe	00856	1	1.3	0.007
For Ø 110 mm pipe	00857	1	1.4	0.007
For Ø 125 mm pipe	00858	1	1.4	0.007
For Ø 140 mm pipe	00859	1	1.5	0.007
For Ø 160 mm pipe	00860	1	1.6	0.007
For Ø 200 mm pipe	00861	1	1.7	0.007
For Ø 225 mm pipe	00862	1	1.7	0.007
For Ø 250 mm pipe	36120	1	2.0	0.011
For Ø 315 mm pipe	36602	1	2.4	0.011



## Air vents

## Standard Air vent

In cast Aluminium painted yellow. Inner ball in PVC

Ø 1"  
Ø 1½"  
Ø 2"

	Code	Pack. Standard	Weight kg Standard	Volume in m <sup>3</sup> Standard
Ø 1"	04143	12	2.3	0.009
Ø 1½"	04144	12	4.0	0.009
Ø 2"	04145	12	4.5	0.018

## Double effect air vent

Body in PP and fibreglass. Maximum pressure 16 Kg/cm<sup>2</sup>  
Seal in nitrile rubber.

Ø 1"  
Ø 2" U-bend outlet with PVC elbow

	Code	D	A (mm)	B (mm)
Ø 1"	04143	1"	74	44
Ø 1½"	04144	1½"	105	69
Ø 2"	04145	2"	105	69



## FILTRATION MEDIA &amp; ACCESSORIES



## OC-1 filtration media



New

## OC-1 filtration load: The future of pool filtration

OC refers to Open Cell and OC-1 is a mechanical filter that uses open-cell filtration technology to filter water with a high quality, increasing the water saving and energy potential. The filtration media is an extruded plastic compound comprising a base of High Density Polyethylene with Calcium Carbonate

- Saves water: exclusive filtration method that reduces water consumption by more than 40%
- Saves power: lets you use a smaller pump or lower the power to get the same flow you would with traditional filtration media.
- Saves time: OC-1 reduces backwash frequency to less than a third of traditional methods, meaning more leisure time for you.
- The OC-1 media has been tested in accordance with current European standard EN16713-1.

	Code	Pack. Standard	Weight kg Standard	Volume in m <sup>3</sup> Standard
OC-1 50L filtration media bag	69752	1	9.0	0.05
OC-1 20L filtration media bag	69753	1	3.6	0.02



## Active Clear Glass



AstralPool launches the new activated glass filter media Active Clear Glass.

The new product has the following benefits:

- More efficient and environmentally friendly filtration.
- Greater filtration capacity.
- Water and energy savings.
- Cleaner filter bed as bacteria does not remain trapped and fewer chemical products are needed.

	Code	Pack. Standard	Weight kg Standard	Volume in m <sup>3</sup> Standard
<b>Granulometry</b>				
0.5 mm - 1.0 mm	57011	1	25.0	0.667
1.0 mm - 3.0 mm	57012	1	25.0	0.667
3.0 mm - 7.0 mm	57013	1	25.0	0.667

	Code	Range	% Volume of the filter bed	
			Filters D < 900 mm	Filters D > 900 mm
Range 1	57011	0.5 - 1.0 mm	0.8	0.6
Range 2	57012	1.0 - 3.0 mm	0	0.2
Range 3	57013	3.0 - 7.0 mm	0.2	0.2

## Silex



Please ask for a quotation for other grades. 25 Kg bag.

	Code	Pack. Standard	Weight kg Standard	Volume in m <sup>3</sup> Standard
Granulometry 0.4 - 0.8 mm	00596	1	25	0.667



## FILTRATION MEDIA &amp; ACCESSORIES

## Gravel

Please ask for a quotation for other grades. 25 Kg bag.

	Code	Pack. Standard	Weight kg Standard	Volume in m <sup>3</sup> Standard
Granulometry 1 - 2 mm	<b>10697</b>	1	25	0.667
Granulometry 3 - 5 mm	<b>11346</b>	1	25	0.667

## Anthracite

Please ask for a quotation for other grades. 50 Kg bag.

	Code	Pack. Standard	Weight kg Standard	Volume in m <sup>3</sup> Standard
Granulometry 0.8 - 1.6 mm	<b>03696</b>	1	50	0.8



## Zeolite

Natural porous material that has higher filtration qualities than the normal substrate. It can be compared to that of diatomaceous earth but at a lower price and lasting much longer. Bags 30 Kg.

	Code	Pack. Standard	Weight kg Standard	Volume in m <sup>3</sup> Standard
Zeolite standard 0.5 - 1 mm	<b>25845</b>	1	-	-
Zeolite standard 1-2 mm	<b>25846</b>	1	30	0.023
Zeolite standard 2-5 mm	<b>25847</b>	1	30	0.023



## Gauge panel unit

Including air vents.

	Code	Pack. Standard	Weight kg Standard	Volume in m <sup>3</sup> Standard
With pressure gauges 3 kg/cm <sup>2</sup>	<b>00729</b>	1	1	0.007
With pressure gauges 6 kg/cm <sup>2</sup>	<b>00730</b>	1	1	0.007



## COMMERCIAL POOLS - PUMPS

- 502 • Self-priming pumps
- 503 • Centrifugal pumps
- 510 • Strainers
- 512 • Valves and hoses

PUMPS

Optional:  
60 Hz pumps (code XXXX-0810).

## SELF-PRIMING PUMPS



AstralPool  
Toolbox app for  
iOS and Android

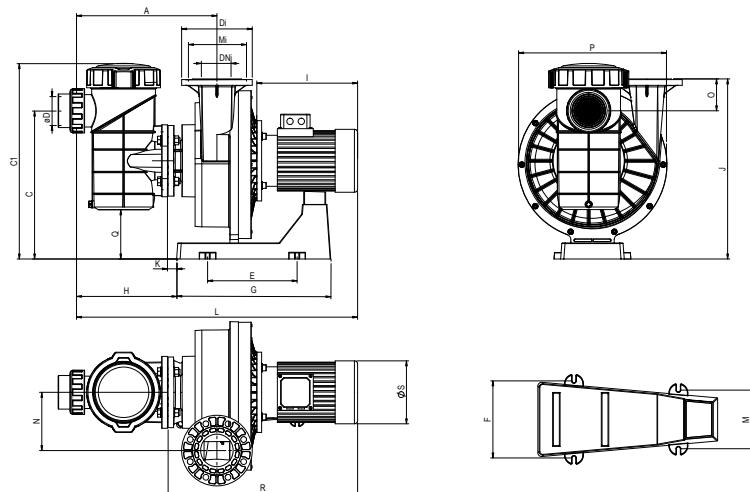
### Kivu Pump



High performance plastic self-priming pump for high flow rates (1500 rpm).  

- 3 power modes: 3 HP, 4 HP and 5.5 HP.
- Low sound level: as low as 59 dBA.
- Hydraulic efficiency without prefilter 78% (as per ISO 9906 standard).
- High quality mechanical seal for salt water.
- IEC high efficiency motors (IE3).
- Standard motor shaft (compatibility with any pump manufacturer).
- Product with GS marking.
- Pump comes with pre-filter (in 2 packages: pump + prefilter).

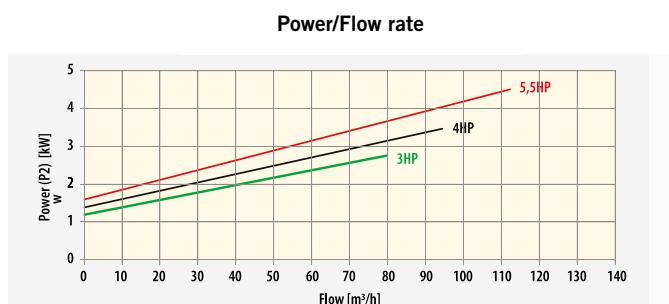
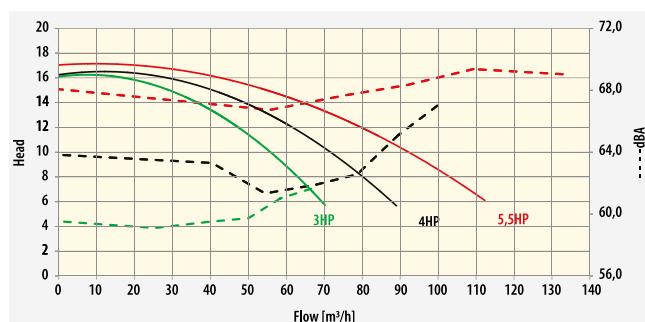
	Code	Pack. Standard	Weight kg Standard	Volume in m <sup>3</sup> Standard
Kivu 3 HP 230/400V 50Hz + prefilter	<b>66047</b>	1	56.4	0.35
Kivu 3 HP 400/690V 50Hz + prefilter	<b>63042</b>	1	56.4	0.35
Kivu 4 HP 230/400V 50Hz + prefilter	<b>66048</b>	1	59.4	0.35
Kivu 4 HP 400/690V 50Hz + prefilter	<b>63043</b>	1	59.4	0.35
Kivu 5.5 HP 230/400V 50Hz + prefilter	<b>66049</b>	1	66.4	0.35
Kivu 5.5 HP 400/690V 50Hz + prefilter	<b>63044</b>	1	66.4	0.35



Code	Power	A	D	DI	DNi	C	C1	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	Ma	Mi
	HP	mm																					
<b>63042</b>	3	440	90	220	100 - 4"	462	610	279	206	480	313	320	561	29,5	882	157	181,5	100	460	154	590	-	180
<b>66047</b>																							
<b>63043</b>	4	440	90	220	100 - 4"	462	610	279	206	480	313	320	561	29,5	882	157	181,5	100	460	154	590	-	180
<b>66048</b>																							
<b>63044</b>	5,5	440	90	220	100 - 4"	462	610	279	206	480	313	345	561	156	906	157	181,5	100	460	154	621	-	180
<b>66049</b>																							

Graph showing performance of pumps without prefilter

Pressure/Flow rate



Optional:  
60 Hz pumps (code XXXX-0810).

## CENTRIFUGAL PUMPS



Kivu Pump

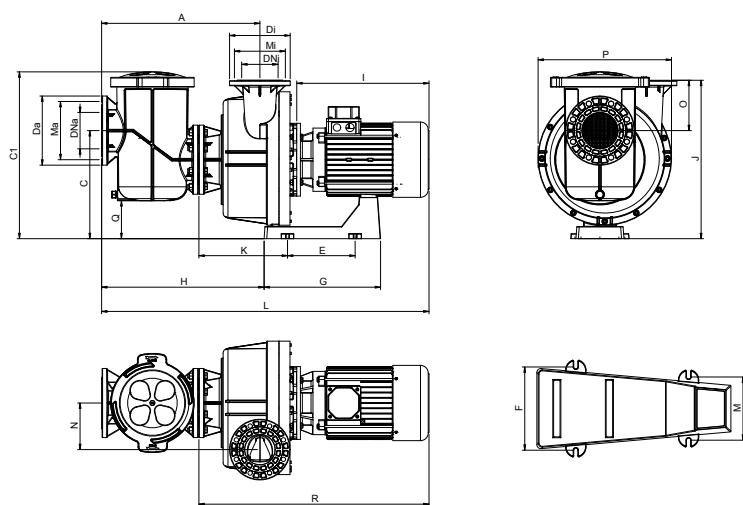
Kiva pump  
Side viewAstralPool  
Toolbox app for  
iOS and Android

### Kivu Pump

High performance plastic centrifugal pump for public pools that works at 1500 rpm.

- 3 power modes: 7.5 HP, 10 HP and 15 HP.
- Low sound level: as low as 66 dBA.
- Hydraulic efficiency without prefilter 85% (9906 ISO standard).
- High quality mechanical seal for salt water.
- IEC high efficiency motors (IE3).
- Standard motor shaft (compatibility with any pump manufacturer).
- Product with GS marking.
- Pump comes with pre-filter (in 2 packages: pump + prefilter).

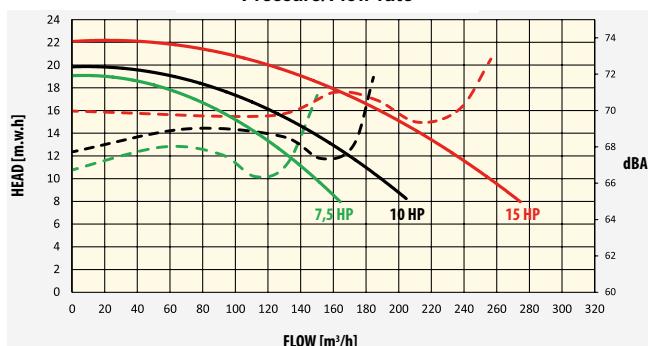
	Code	Pack. Standard	Weight kg Standard	Volume in m <sup>3</sup> Standard
Kivu 7.5 HP 230/400 V 50Hz + prefilter	<b>56633</b>	1	107.4	0.43
Kivu 7.5 HP 400/690 V 50Hz + prefilter	<b>56634</b>	1	107.4	0.43
Kivu 10 HP 230/400 V 50Hz + prefilter	<b>56635</b>	1	117.9	0.45
Kivu 10 HP 400/690 V 50Hz + prefilter	<b>56637</b>	1	117.9	0.45
Kivu 15 HP 230/400 V 50Hz + prefilter	<b>56638</b>	1	151.2	0.49
Kivu 15 HP 400/690 V 50Hz + prefilter	<b>56639</b>	1	151.2	0.49



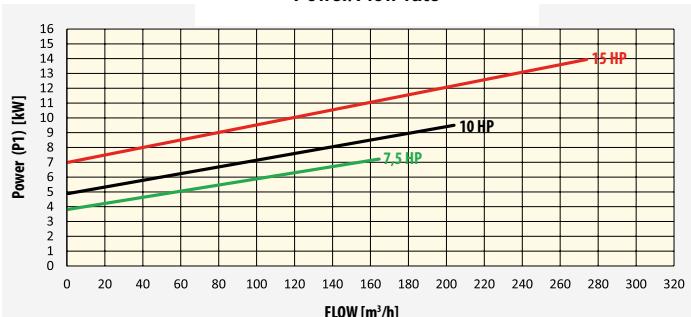
Code	Power	A	DA	DI	DNA	DNI	C	C1	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	Ma	Mi
	HP	mm																						
<b>56633</b>	7.5	653	285	250	150 - 6"	125 - 5"	446	688	279	206	290	540	410	653	141	1215	157	192	208	550	157	815	240	210
<b>56634</b>																								
<b>56635</b>	10	653	285	250	150 - 6"	125 - 5"	446	688	279	206	290	540	445	653	141	1250	157	192	208	550	157	850	240	210
<b>56637</b>																								
<b>56638</b>	15	653	285	250	150 - 6"	125 - 5"	446	688	279	206	290	670	510	653	271	1315	157	192	208	550	157	915	240	210
<b>56639</b>																								

#### Graph showing performance of pumps without refilter

Pressure/Flow rate



Power/Flow rate



Possibility of placing orders with the following variations:  
 - bronze turbine  
 - stainless steel turbine (AISI 316-L).  
 - Viton mechanical seals.



IE3 version: The same codes with suffix -320

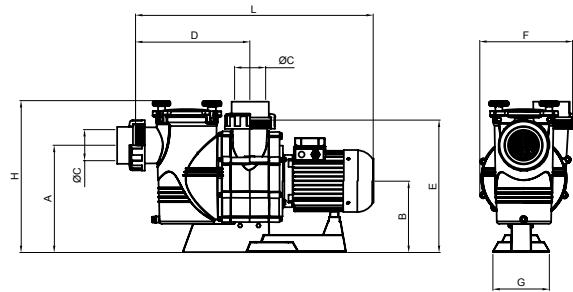
## CENTRIFUGAL PUMPS

### Colorado pump with prefilter

3000 rpm plastic centrifugal electric pumps with prefilter for pools, perfect for large, low-pressure flow rates. Prefilter with transparent lid and wishbone closure; easy access. Pump bodies and prefilter manufactured in fibreglass-reinforced polypropylene. Plastic turbine. Pump shaft and prefilter basket in stainless steel. IE2 motors with 3000 rpm IP-55 protection at 230/400 V or 400/690 V and 50 Hz. From 4 HP to 12.5 HP.

4 HP. 230/400 V	44706-120	1	56	0.252
5.5 HP. 230/400 V	44707-120	1	56	0.252
7.5 HP. 230/400 V	44708-120	1	57	0.252
7.5 HP. 400/690 V	44709-120	1	57	0.252
10 HP. 230/400 V	44712-120	1	68	0.252
10 HP. 400/690 V	44711-120	1	68	0.252
12.5 HP. 230/400 V	44712-120	1	72	0.252
12.5 HP. 400/690 V	44713-120	1	72	0.252

Code	Pack. Standard	Weight kg Standard	Volume in m <sup>3</sup> Standard
44706-120	1	56	0.252
44707-120	1	56	0.252
44708-120	1	57	0.252
44709-120	1	57	0.252
44712-120	1	68	0.252
44711-120	1	68	0.252
44712-120	1	72	0.252
44713-120	1	72	0.252



Code	VOLTAGE (V)	POWER		DIMENSIONS (mm)								
		kW	HP	A	B	ØC	D	E	F	G	H	L
44706-120	230/400	2,9	4	375	255	90	405	470	330	200	535	820
44707-120	230/400	4	5,5	375	255	110	405	470	330	200	535	840
44708-120	230/400	5,5	7,5	375	255	110	405	470	330	200	535	840
44709-120	400/690											
44712-120	230/400	7,4	10	375	255	110	405	470	330	200	535	910
44711-120	400/690											
44712-120	230/400	9,2	12,5	375	255	110	405	470	330	200	535	955
44713-120	400/690											



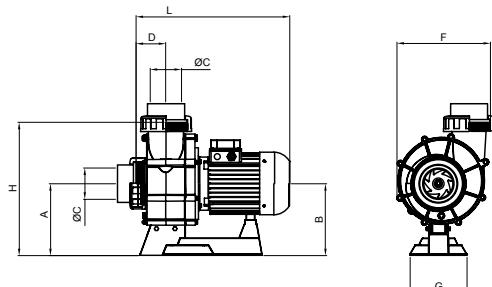
IE3 version: The same codes with suffix -320

### Colorado pump without prefilter

3000 rpm plastic centrifugal electric pumps with no prefilter for pools, perfect for large, low-pressure flow rates. Pump bodies manufactured in fibreglass-reinforced polypropylene. Plastic turbine. Stainless steel pump shaft. IE2 motors with 3000 rpm IP-55 protection at 230/400 V or 400/690 V and 50Hz. From 7.5 HP to 12.5 HP.

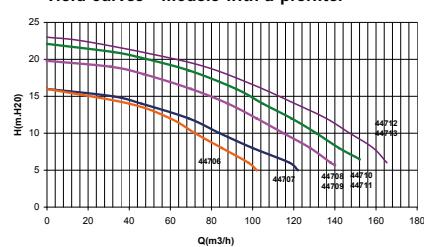
4 HP. 230/400 V	44714-120	1	39	0.166
4 HP. 230/400 V	44715-120	1	44	0.166
7.5 HP. 230/400 V	44716-120	1	50	0.166
7.5 HP. 400/690 V	44717-120	1	50	0.166
10 HP. 230/400 V	44718-120	1	61	0.166
10 HP. 400/690 V	44719-120	1	61	0.166
12.5 HP. 230/400 V	44720-120	1	65	0.166
12.5 HP. 400/690 V	44721-120	1	65	0.166

Code	Pack. Standard	Weight kg Standard	Volume in m <sup>3</sup> Standard
44714-120	1	39	0.166
44715-120	1	44	0.166
44716-120	1	50	0.166
44717-120	1	50	0.166
44718-120	1	61	0.166
44719-120	1	61	0.166
44720-120	1	65	0.166
44721-120	1	65	0.166



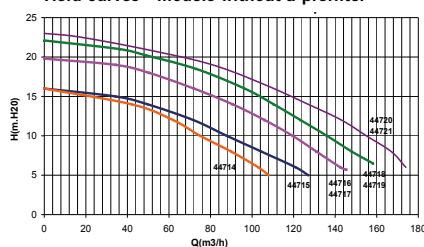
Code	VOLTAGE (V)	POWER		DIMENSIONS (mm)							
		kW	HP	A	B	ØC	D	E	F	G	H
44714-120	230/400	2,9	4	255	255	90	105	330	200	470	510
44715-120	230/400	4	5,5	355	355	110	105	330	200	470	530
44716-120	230/400	5,5	7,5	255	255	110	105	330	200	470	530
44717-120	400/690										
44718-120	230/400	7,4	10	255	255	110	105	330	200	470	600
44719-120	400/690										
44720-120	230/400	9,2	12,5	255	255	110	105	330	200	470	645
44721-120	400/690										

### Yield curves - Models with a prefilter



Available in power modes from 4 to 12.5 HP.

### Yield curves - Models without a prefilter



Optional:  
60 Hz pumps (code XXXX-0810).

## CENTRIFUGAL PUMPS



### 2.860 r.p.m. Maxim pump



Pump body and supports in plastic, AISI-316 stainless steel motor shaft with double insulation. Motor has IP-55 protection rating. Prefilter basket with a capacity of 8 litres. Transparent prefilter lid.

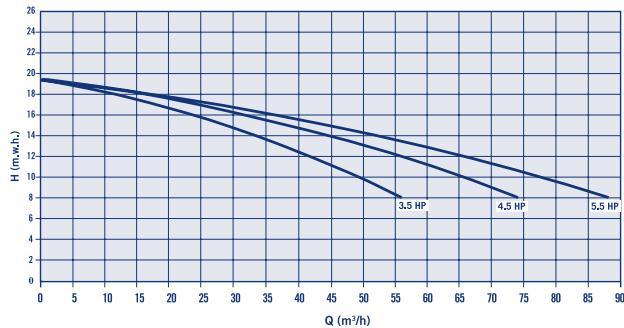
	Code	Pack. Standard	Weight kg Standard	Volume in m <sup>3</sup> Standard
Maxim 3.5 HP pump	08003	1	32	0.184
Maxim 4.5 HP pump	08004	1	34	0.184
Maxim 5.5 HP pump	08005	1	37	0.184



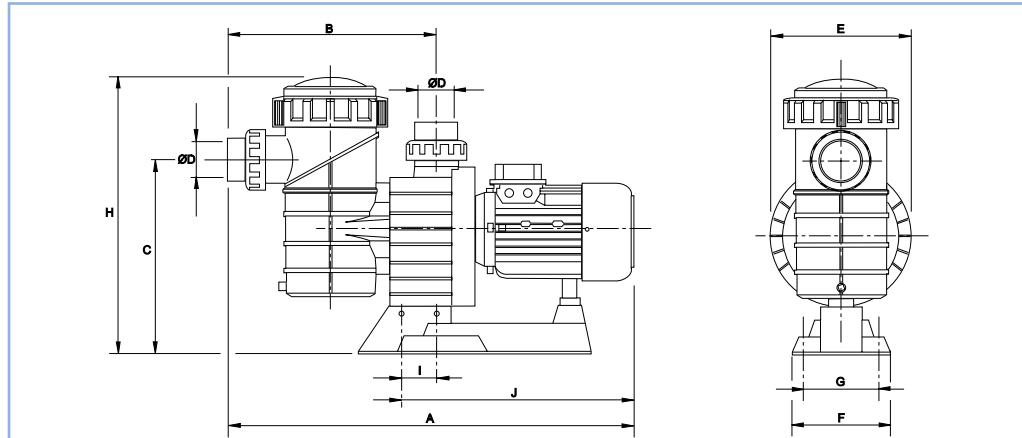
### Technical features Maxim pump

Code	Power	Connection	Voltage	mca					
				8	10	12	14	16	19.5
08003	3.5 HP	3" threaded joint	230/400 V III	56	50	42	34	23	0
			230/400 V III	74	66	57	46	30	0
			230/400 V III	88	78	67	53	34	0

### Performance curves



### Size



Model	Type	Voltage	A mm	B mm	C mm	Ø D mm	E mm	F mm	G mm	H mm	I mm	J mm
08003	3,5	230/400	815	430	385	90	287	200	140	530	65	468
08004	4,5	230/400	815	430	385	90	287	200	140	530	65	468
08005	5,5	230/400	847	430	385	90	287	200	140	530	65	500

Optional:  
60 Hz pumps (code XXXX-0810).

## CENTRIFUGAL PUMPS



Aral C-3000 pump

Made in cast iron. Mechanical seal in stainless steel. IP-54 motor protection. Stainless steel AISI-316 shaft. With stainless steel AISI-304 strainer basket and prefilter. 3000 rpm. Connections PN 16 according to DIN 2501.



230 V valid for voltages between  
220 & 240 V

400 V valid for voltages between  
380 & 420 V

690 V valid for voltages between  
660 & 720 V

	Code	Pack. Standard	Weight kg Standard	Volume in m <sup>3</sup> Standard
Aral C-3000 pump 3 HP	01193	1	71	0.162
Aral C-3000 pump 4 HP	01195	1	74	0.162
Aral C-3000 pump 5.5 HP DN 80-3"	01197	1	80	0.162
Aral C-3000 pump 5.5 HP DN 100-4"	01199	1	89	0.197
Aral C-3000 pump 7.5 HP	01201	1	113	0.197
Aral C-3000 pump 10 HP	01203	1	115	0.197
Aral C-3000 pump 12.5 HP	01205	1	115	0.197
Aral C-3000 pump 15 HP	01207	1	121	0.197

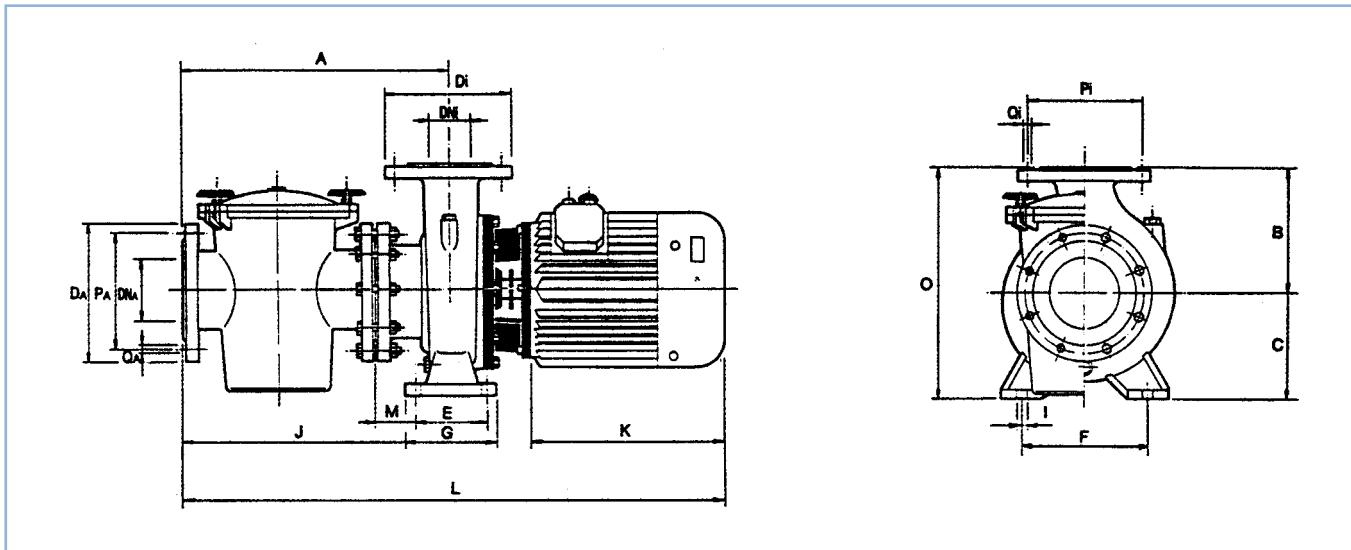
More technical specifications on  
the next page

Technical features Aral C-3000 pump

Code	Power	Connection	Voltage	mca					
				8	10	12	14	16	20
m <sup>3</sup> /h									
01193	2.20 kW (3 HP)	DN 90-3"	230/400 V III	59	54	46	40	30	0
01195	2.95 kW (4 HP)	DN 80-3"	400/690 V III	67	61	55	48	40	0
01197	4.00 kW (5.5 HP)	DN 80-3"	400/690 V III	78	72	66	60	52	0
01199	4.00 kW (5.5 HP)	DN 100-4"	400/690 V III	100	89	70	60	48	0
01201	5.50 kW (7.5 HP)	DN 100-4"	400/690 V III	126	115	100	80	60	0
01203	7.50 kW (10 HP)	DN 100-4"	400/690 V III	145	140	123	107	86	0
01205	9.20 kW (12.5 HP)	DN 125-5"	400/690 V III	165	158	149	135	115	0
01207	11,04 kW (15 HP)	DN 125-5"	400/690 V III	195	190	175	160	140	0

## CENTRIFUGAL PUMPS

Technical features Aral C-3000 pump



Code	Voltage V	Intensity		Power		Suction connection				Return connection					
		III 230 V	III 400 V	kW	HP	D <sub>A</sub> (mm)	DN <sub>A</sub>	P <sub>A</sub> (mm)	Q <sub>A</sub>	Nº	Ø (mm)	D <sub>i</sub> (mm)	DN <sub>i</sub>	P <sub>i</sub> (mm)	Q <sub>i</sub>
01193	230/400	9	5.2	2.20	3	200	80-3"	160	8	18	200	80-3"	160	8	18
01195	400/690	—	7	2.95	4	200	80-3"	160	8	18	200	80-3"	160	8	18
01197	400/690	—	9.1	4	5.5	200	80-3"	160	8	18	200	80-3"	160	8	18
01199	400/690	—	9.1	4	5.5	220	100-4"	180	8	18	220	100-4"	180	8	18
01201	400/690	—	11	5.5	7.5	220	100-4"	180	8	18	220	100-4"	180	8	18
01203	400/690	—	15	7.5	10	220	100-4"	180	8	18	220	100-4"	180	8	18
01205	400/690	—	22	9.2	12.5	250	125-5"	210	8	18	220	100-4"	210	8	18
01207	400/690	—	22.5	11.04	15	250	125-5"	210	8	18	250	125-5"	210	8	18

Code	Power		Dimensions (mm)											
	kW	HP	A	B	C	E	F	G	I	J	K	L	M	O
01193	2.20	3	485	180	160	70	212	100	14	435	245	888	65	340
01195	2.95	4	485	180	160	70	212	100	14	435	245	888	65	340
01197	4	5,5	485	180	160	70	212	100	14	435	273	920	65	340
01199	4	5,5	487	205	160	95	187	125	14	425	273	940	55	365
01201	5.5	7,5	487	205	160	95	187	125	14	425	315	976	55	365
01203	7.5	10	487	205	160	95	187	125	14	425	315	976	55	365
01205	9.2	12,5	487	205	160	95	187	125	14	425	355	1016	55	365
01207	11.04	15	517	233	181	95	187	125	14	455	355	1029	70	365

Optional:  
60 Hz pumps (code XXXX-0810).

## CENTRIFUGAL PUMPS



Aral C-1500 pump

Made in cast iron. Mechanical seal in stainless steel. IP-54 motor protection. Stainless steel AISI- 316 shaft. With stainless steel (AISI-304 11 L - AISI-316 37 L) strainer basket. Connections PN 16 according to DIN 2501. 1,450 rpm. Connections PN 16 according to DIN 2501. Connections PN 16 according to DIN 2501.

**Also available with bronze impeller.**



230 V valid for voltages between  
220 & 240 V  
400 V valid for voltages between  
380 & 420 V  
690 V valid for voltages between  
660 & 720 V

	Code	Pack. Standard	Weight kg Standard	Volume in m <sup>3</sup> Standard
Aral C-1500 pump 4 HP	<b>01210</b>	1	115.0	0.195
Aral C-1500 pump 5.5 HP DN 80-3"	<b>01212</b>	1	142.0	0.195
Aral C-1500 pump 7.5 HP	<b>01216</b>	1	170.0	0.407
Aral C-1500 pump 10 HP	<b>01218</b>	1	179.0	0.407
Aral C-1500 pump 12.5 HP	<b>01220</b>	1	215.0	0.407
Aral C-1500 pump 20 HP	<b>01224 -1800</b>	1	255.0	0.407
Aral C-1500 pump 25 HP	<b>01226 -1800</b>	1	255.0	0.407

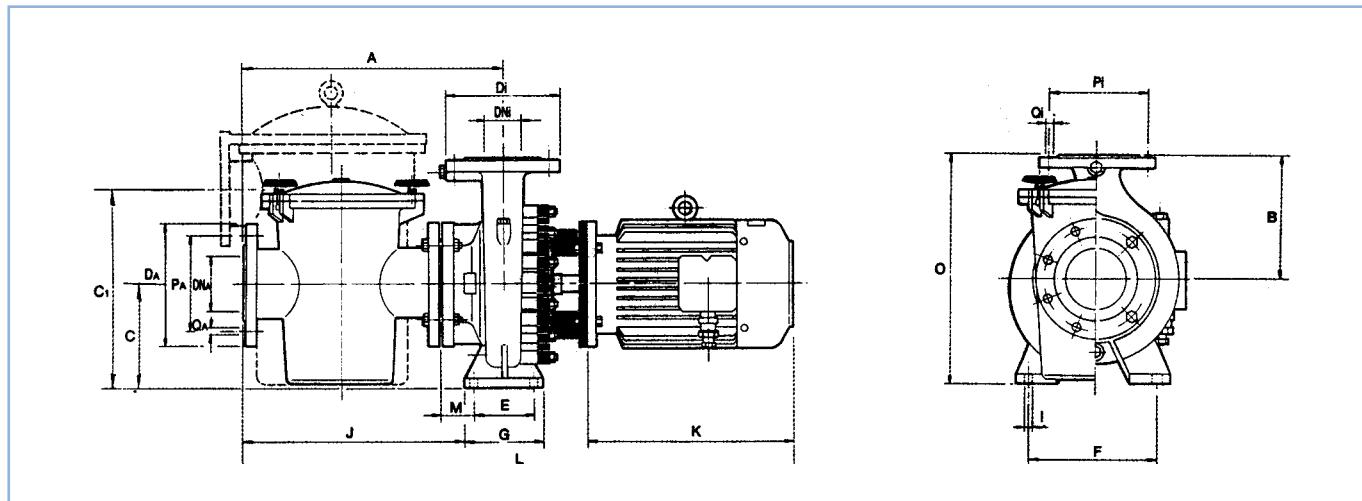
More technical specifications on  
the next page

Technical features Aral C-1500 pump

Code	Power	Suction Connection	Connection Return	Voltage	mca						
					10	12	14	16	18	20	
m <sup>3</sup> /h											
<b>01210</b>	3.00 kW (4 HP)	DN 80-3"	DN 65-2½"	400/690 V III	68	60	45	0	0	0	
<b>01212</b>	4.00 kW (5.5 HP)	DN 80-3"	DN 65-2½"	400/690 V III	88	80	70	58	0	0	
<b>01216</b>	5.50 kW (7.5 HP)	DN 100-4"	DN 80-3"	400/690 V III	115	101	87	70	0	0	
<b>01218</b>	7.50 kW (10 HP)	DN 100-4"	DN 80-3"	400/690 V III	150	140	125	115	NA	0	
<b>01220</b>	9.20 kW (12.5 HP)	DN 125-5"	DN 100-4"	400/690 V III	192	175	155	130	NA	0	
<b>01224-1800</b>	15,00 kW (20 HP)	DN 150-6"	DN 125-5"	400/690 V III	240	210	180	145	105	0	
<b>01226-1800</b>	18.40 kW (25 HP)	DN 150-6"	DN 125-5"	400/690 V III	275	258	234	202	169	120	

## CENTRIFUGAL PUMPS

Technical features Aral C-1500 pump



Code	Voltage V	Intensity		Power		Suction connection					Return connection				
		III 230 V	III 400 V	kW	HP	D <sub>A</sub> (mm)	DN <sub>A</sub>	P <sub>A</sub> (mm)	Q <sub>A</sub>		D <sub>i</sub> (mm)	DN <sub>i</sub>	P <sub>i</sub> (mm)	Q <sub>i</sub>	
									Nº	Ø (mm)				Nº	Ø (mm)
01210	400/690	—	7	3	4	200	80-3"	160	8	18	185	65-2½"	145	4	18
01212	400/690	—	9.7	4	5.5	200	80-3"	160	8	18	185	65-2½"	145	4	18
01216	400/690	—	12.3	5.5	7.5	220	100-4"	180	8	18	200	80-3"	160	8	18
01218	400/690	—	16.4	7.5	10	220	100-4"	180	8	18	200	80-3"	160	8	18
01220	400/690	—	19	9.20	12.5	250	125-5"	210	8	18	220	100-4"	180	8	18
01224-1800	400/690	—	32	15	20	285	150-6"	240	8	22	250	125-5"	210	8	18
*01226-1800	400/690	—	36	18.40	25	285	150-6"	240	8	22	250	125-5"	210	8	18

Code	Power		Dimensions (mm)												
	kW	HP	A	B	C	C1	E	F	G	I	J	K	L	M	O
01210	2.95	4	482	225	180	—	95	250	125	14	419	310	880	50	405
01212	4	5.5	484	253	196	—	120	280	162	18	403	333	967	34	449
01216	5.5	7.5	514	282	193	—	120	315	162	18	433	410	1072	69	486
01218	7.5	10	514	282	193	—	120	315	162	18	433	450	1112	69	486
01220	9.20	12.5	522	280	224	—	120	315	162	18	441	450	1128	77	504
01224-1800	*15	20	747	356	255	507	120	315	158	18	668	520	1438	87	611
01226-1800	*18.40	25	747	356	255	507	120	315	158	18	668	555	1473	87	611

\*With strainer 37 l



## STRAINERS



## Strainer in polypropylene and fibreglass

Flanges drilled according to DIN-2501 Standard. Supplied with 3 piece coupling at the inlet. 8 litre capacity. Inlet size: Ø 90 mm and outlet Ø 110 mm.

Code	Pack. Standard	Weight kg Standard	Volume in m <sup>3</sup> Standard
09879	1	8.4	0.098



## Strainer in polyester and fibreglass 33 l capacity

Flanges drilled according to DIN-2501 Standard. Hoop type clamp. Drain plug. Maximum working pressure: 1.5 bar.

Code	Pack. Standard	Weight kg Standard	Volume in m <sup>3</sup> Standard
<b>33 l Capacity</b>			
04656	1	27	0.180
04657	1	27	0.180
04658	1	27	0.180
04659	1	27	0.180



## Strainer in polyester and fibreglass 60 l capacity

Flanges drilled according to DIN-2501 Standard. Hoop type clamp. Drain plug. Maximum working pressure: 1.5 bar.

Code	Pack. Standard	Weight kg Standard	Volume in m <sup>3</sup> Standard
<b>60 l Capacity</b>			
10886	1	39	0,357
10887	1	39	0,357
10888	1	39	0,357



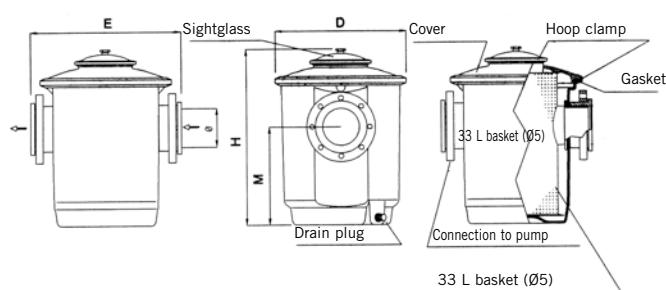
## Strainer in polyester and fibreglass with sight glass lid 33 l capacity

Flanges drilled according to DIN-2501 Standard. Hoop type clamp. Drain plug. Maximum working pressure: 1.5 bar.

Code	Pack. Standard	Weight kg Standard	Volume in m <sup>3</sup> Standard
<b>33 l Capacity</b>			
15644	1	27	0.180
15645	1	27	0.180
15646	1	27	0.180
15647	1	27	0.180
15648	1	27	0.180
15649	1	27	0.180

## 33 l POLYESTER STRAINERS

Code	15644	15645	15646	15647	15648	15649
H	635	635	635	635	635	635
D	475	475	475	475	475	475
M	353	353	353	353	353	353
Ø	90	110	125	140	3"	4"
E	500	516	532	546	500	516



## STRAINERS



## Strainer in polyester and fibreglass with sightglass lid 60 l capacity

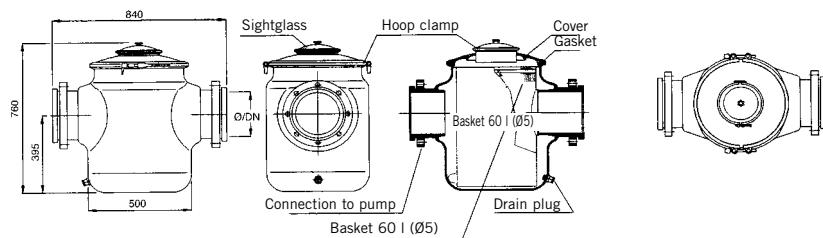
Flanges drilled as per DIN-2501 Standard. Hoop type clamp. Drain plug. Maximum working pressure: 1,5 bar.

**60 l Capacity**

Connections Ø 160 mm. 118 m<sup>3</sup>/h  
 Connections Ø 200 mm. 174 m<sup>3</sup>/h  
 Connections Ø 225 mm. 233 m<sup>3</sup>/h  
 Strainer 6". 118 m<sup>3</sup>/h  
 Strainer 8". 233 m<sup>3</sup>/h

Code	Pack. Standard	Weight kg Standard	Volume in m <sup>3</sup> Standard
15650	1	39	0.357
15651	1	39	0.357
15652	1	39	0.357
15653	1	39	0.357
15654	1	39	0.357

## 60 l POLYESTER STRAINER



## Kivu strainers

Flanges drilled to standard DIN-2501. Quick closing lid. Polypropylene basket. Drain plug. Maximum working pressure 1.5 bar.

**25 l Capacity**

6" Connections DN 150

Code	Pack. Standard	Weight kg Standard	Volume in m <sup>3</sup> Standard
56733	1	9.9	0.08



## Strainer Astramax pump

Strainer for Astramax pump. Body in ABS and fibreglass. With transparent lid and anti-corrosive strainer basket. Suction 2 1/4" male thread. Connection to pump 2 3/4" female thread.

Code	Pack. Standard	Weight kg Standard	Volume in m <sup>3</sup> Standard
16104	1	1.5	0.017



## Aral strainers

Housing and cover in cast iron. AISI-304 Stainless Steel Strainer basket. Flange connection are manufactured in accordance with DIN-2501 Standard. Maximum working pressure 2.5 bar.

Code	Pack. Standard	Weight kg Standard	Volume in m <sup>3</sup> Standard

**11 l Capacity**

Flanges DN 65 (2 1/2") DN 65 (2 1/2")  
 Flanges DN 80 (3") DN 80 (3")  
 Flanges DN 100 (4") DN 100 (4")  
 Flanges DN 125 (5") DN 125 (5")  
 Flanges DN 80 (3") DN 65 (2 1/2")  
 Flanges DN 100 (4") DN 80 (3")  
 Flanges DN 125 (5") DN 100 (4")

20026	1	35	0.051
20028	1	35	0.051
20029	1	35	0.051
20030	1	35	0.051
20031	1	35	0.051
20032	1	35	0.051
20033	1	35	0.051

**37 l Capacity**

Flanges DN 150 (6") DN 150 (6")

01268	1	129	0.319
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Aral 37 l



## STRAINERS



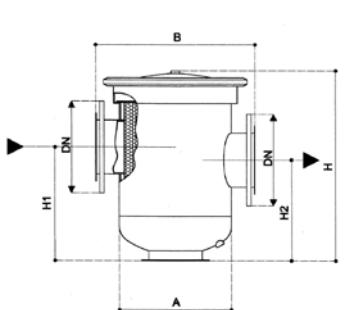
## Strainers in Stainless Steel

With removable basket. Housing in AISI-304 and strainer basket in AISI-316. Models come in varying diameters to suit pump suctions (impeller protection). Rough straining for different installations.

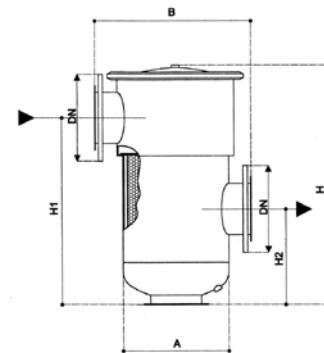
	Code	Pack. Standard	Weight kg Standard	Volume in m <sup>3</sup> Standard
S.S. strainer DN 100 with PVC flange	<b>21461</b>	1	17.6	0.06
S.S. strainer DN 100 TF with PVC flange	<b>21462</b>	1	21.6	0.09
S.S. strainer DN 125 with PVC flange	<b>21463</b>	1	19.0	0.06
S.S. strainer DN 125 TF with PVC flange	<b>21464</b>	1	23.0	0.09
S.S. strainer DN 150 with PVC flange	<b>21465</b>	1	24.8	0.08
S.S. strainer DN 150 TF with PVC flange	<b>21466</b>	1	31.0	0.13
S.S. strainer DN 200 with PVC flange	<b>21467</b>	1	25.4	0.08
S.S. strainer DN 200 TF with PVC flange	<b>21468</b>	1	31.6	0.13

## TECHNICAL FEATURES

Code	Diameter		Pressure (bar)	External volume					Interior basket			Total weight	
	Input connection	Relief		Dimensions (mm)					Material	Dimensions (mm)			
				A	B	H	H1	H2		Ø	H	Perforation	
<b>21461</b>	DN 100	1/2"	3	292	410	520	294	254	AISI 316	270	350	6 mm	17.6
<b>21462</b>	DN 100	1/2"	3	292	425	735	593	308	AISI 316	270	415	6 mm	21.6
<b>21463</b>	DN 125	1/2"	3	292	410	520	294	254	AISI 316	270	350	6 mm	19.0
<b>21464</b>	DN 125	1/2"	3	292	425	735	593	308	AISI 316	270	415	6 mm	23.0
<b>21465</b>	DN 150	1/2"	3	350	450	520	294	254	AISI 316	320	350	6 mm	24.8
<b>21466</b>	DN 150	1/2"	3	350	470	775	595	295	AISI 316	320	415	6 mm	31.0
<b>21467</b>	DN 200	1/2"	3	350	450	520	294	254	AISI 316	320	350	6 mm	25.4
<b>21468</b>	DN 200	1/2"	3	350	470	775	595	295	AISI 316	320	415	6 mm	31.6



STANDARD model



TF model

## VALVES AND HOSES



## Check valves

Nominal pressure 10 kg/cm<sup>2</sup>. Mounted between flanges. Available in PN 16 and PN 25 under special order.

	Code	Pack. Standard	Weight kg Standard	Volume in m <sup>3</sup> Standard
Outlets Ø 50 mm	<b>20239</b>	1	—	—
Outlets Ø 65 mm	<b>20240</b>	1	—	—
Outlets Ø 80 mm	<b>20241</b>	1	—	—
Outlets Ø 100 mm	<b>20242</b>	1	—	—
Outlets Ø 125 mm	<b>20243</b>	1	—	—
Outlets Ø 150 mm	<b>20244</b>	1	—	—
Outlets Ø 200 mm	<b>20245</b>	1	—	—
Outlets Ø 250 mm	<b>20246</b>	1	—	—

## VALVES AND HOSES



### Vibration absorbent brushing

Flanges in galvanised steel. Elastic material: Polychloroprene. Maximum temperature: 95° C. Nominal pressure: 10 kg/cm<sup>2</sup> (PN/10).

	Code	Pack. Standard	Weight kg Standard	Volume in m <sup>3</sup> Standard
Outlets Ø 50 mm	<b>20231</b>	1	—	—
Outlets Ø 65 mm	<b>20232</b>	1	—	—
Outlets Ø 80 mm	<b>20233</b>	1	—	—
Outlets Ø 100 mm	<b>20234</b>	1	—	—
Outlets Ø 125 mm	<b>20235</b>	1	—	—
Outlets Ø 150 mm	<b>20236</b>	1	—	—
Outlets Ø 200 mm	<b>20237</b>	1	—	—
Outlets Ø 250 mm	<b>20238</b>	1	—	—





## **COMMERCIAL POOLS - DOSING AND CONTROL EQUIPMENT**

- 516 • Freepool<sup>2</sup>
- 518 • Salt electrolysis and pH/Cl control
- 521 • Neolysis for public pools
- 523 • UV automatic disinfection
- 526 • Dosing pumps
- 532 • Continuous flocculation system
- 532 • Water meters
- 532 • Automatic regulation and control equipment

FREEPOOL<sup>2</sup>

Freepool<sup>2</sup> disinfects the water thanks to the salt chlorinator and the UV and corrects pH levels by injecting CO<sub>2</sub> through the reactor

**75% reduction**

in the concentration of oxidants in the atmosphere, improving the quality of the atmosphere and reducing the smell of chlorine.

**20% reduction**

of **combined chloramines in the water, reducing skin and eye irritation and respiratory complications.**

**100% reduction**

in the addition of diluted acids and chlorinated products; completely avoids the need to add chlorinated products and acids.

**66% reduction**

in the consumption of new supplies of water, with savings in water and energy wherever it is installed.



Further information in **PRODUCTS**  
[www.astralpool.com](http://www.astralpool.com)

## FREEPOOL<sup>2</sup>



Fluidra Connect  
compatible



### Freepool<sup>2</sup>

	Code	Pack. Standard	Weight kg Standard	Volume in m <sup>3</sup> Standard
Freepool <sup>2</sup> 180 g Cl/h	70990	1	-	-



**60361**

### AP PR-200 control unit compatible with Freepool2

Recommended unit:

	Code	Pack. Standard	Weight kg Standard	Volume in m <sup>3</sup> Standard
AP PR-207 pH/Cl2 PPM*	60361	1	-	-
AP PR-207 pH/Cl2 PPM + integrated TRI KIT*	60361-KIT TRI	1	-	-
ECC1S Electrolyte / free chlorine sensor gel (seawater)	64658	1	-	-

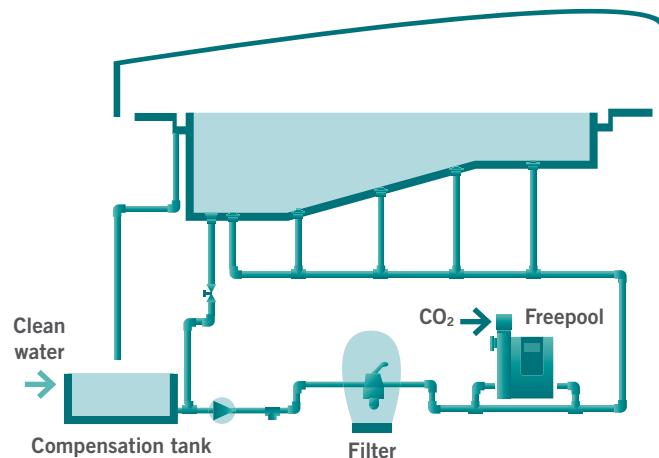


Universitat Autònoma de Barcelona



Hospital Universitari

The benefits of Freepool have been backed up by two studies conducted by Universitat Autònoma de Barcelona and Hospital Universitari Clínic de Barcelona.



**+ info****PDB**  
Product DatabaseConsulte + info en **PRODUCTOS.**  
[www.astralpool.com](http://www.astralpool.com)**SALT ELECTROLYSIS AND PH/CL CONTROL****Salt Electrolysis for public pools**

Salt water chlorinators for commercial pools are becoming popular because they are efficient, practical, safe and well priced.

Our wide range of industrial electrolysis systems covers self-cleaning equipment of up to 600 grams/hour of Chlorine, which makes it possible to use saline electrolysis to treat the water at any public use facility.

**Main advantages:**

- Safety:** There is no need to store, handle or dose any chemical products and therefore it is a much safer system. The raw material stored is common salt.
- Savings:** The introduction of saline electrolysis systems can bring net savings in operating costs of around 50-60%, with respect to traditional systems.

Peristaltic pump not included.

	Easy Salt	Pro-Chlore Salt	Nature Salt
<b>Self-cleaning electrodes</b>	10,000 - 12,000 h	12,000 - 15,000 h	12,000 - 15,000 h
<b>Salinity range</b>	5-12 g/l (recommended 5-6 g/l)	5-12 g/l (recommended 5-6 g/l)	1.5-3 g/l (recommended: 2-2.5 g/l) (*)
<b>Production (g/h)</b>	70 - 180	50 - 600	50 - 300

(\*) Operating range 1.5-5 g/l depending on the temperature (28-35 °C) and nominal output (80-100%)

**Easy Salt**

SELF-CLEANING salt electrolysis system for residential and public pool applications of up to 180 g chlorine/hour. Easy Salt is a compact and cost-competitive piece of equipment. To control more than one unit for the same pool you will need an AP PR-200 external control or Smart Control and the TRI multiple control kit (code 70338).

	Code	Pack. Standard	Weight kg Standard	Volume in m <sup>3</sup> Standard
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Easy Salt 50	<b>66151</b>	1	30	0.29
Easy Salt 70	<b>53799</b>	1	70	0.29
Easy Salt 90	<b>53801</b>	1	80	0.29
Easy Salt 180	<b>53803</b>	1	90	0.29

External control option  
(AP PR 60359-60361-60362, Smart Control 54523-4-5)

Easy Salt 50 + pH/ORP (EXT-1)	<b>66153</b>	1	30	0.29
Easy Salt 70 + pH/ORP (EXT-1)	<b>53800</b>	1	70	0.29
Easy Salt 90 + pH/ORP (EXT-1)	<b>53802</b>	1	80	0.29
Easy Salt 180 + pH/ORP (EXT-1)	<b>53804</b>	1	90	0.29

Optional probe holder for EXT-1  
(EXT-1+66448 = EXT-1D)

<b>66448</b>	<b>66448</b>	1	-	-
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Optional:  
Connection kit compatible with Fluidra Connect

<b>60363</b>	<b>60363</b>	1	0.39	0.002
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Fluidra Connect  
compatible

Valid for Easy Salt and Pro-Chlore Salt and Nature Salt:

	pH	ORP	FREE CHLORINE*
<b>Components supplied</b>	H-035 probe pH calibration solution (7.0/4.0)	RX-02 probe ORP calibration solution (470 mV)	CL0102 probe ID-CAL calibration card
Two PE ½" probe holder connectors (standard in all models); probe holder panel with inductive flow rate detector; flow rate and pre-filter adjustment (standard in ppm models)			
<b>Size</b>	600 x 240 x 120 mm (panel)		
<b>pH control output</b>	230 V / 50-60 Hz / 0.5 A max, ON/OFF		
<b>Scale</b>	0.0 - 9.9	0 - 999 mV	0.0 - 5.0 ppm
<b>Control range</b>	7.0 - 7.8	650 - 850 mV	0.0 - 5.0 ppm
<b>Accuracy</b>	0.1 pH	1 mV	0.1 ppm
<b>Calibration</b>	(pH) Automatic; two modes Fast: one-point calibration Standard: Two-point calibration	Automatic: one-point calibration	FREE CHLORINE: automatic (one-point using external DPD calibrator – not supplied)

\*Not available for Easy Salt

## SALT ELECTROLYSIS AND PH/CL CONTROL



## Pro-Chlore Salt

Our Pro-Chlore Salt range includes EX electrodes that provide the highest level of durability in self-cleaning systems. The Pro-Chlore Salt range with its integrated EXTENSION options (EXT-1, EXT-1E, EXT-2) or external control options (AP PR200, Smart Control) includes a control and regulation system for ORP values (Redox) or ppm, as well as pH, allowing improved management of the equipment and an excellent water quality at all times. The Pro-Chlore range can be manufactured, on request, for seawater (Pro Chlore Salt AM Series). To control more than one unit for the same pool you will need an AP PR-200 external control or Smart Control and the TRI multiple control kit (code 70338).

	Code	Pack. Standard	Weight kg Standard	Volume in m <sup>3</sup> Standard
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Pro-Chlore Salt A-50EX	<b>35252</b>	1	55	0.17
Pro-Chlore Salt A-80EX	<b>35253</b>	1	65	0.19
Pro-Chlore Salt A-120EX	<b>35254</b>	1	100	0.36
Pro-Chlore Salt A-180EX	<b>35255</b>	1	120	0.36
Pro-Chlore Salt A-300EX	<b>35256</b>	1	140	0.36
Pro-Chlore Salt A-600EX	<b>35257</b>	1	200	0.74

External control option  
(AP PR 60359-60361-60362, Smart Control 54523-4-5)



Pro-Chlore Salt A-50EX + pH/ORP (EXT-1)	<b>35258</b>	1	55	0.17
Pro-Chlore Salt A-80EX + pH/ORP (EXT-1)	<b>35259</b>	1	65	0.19
Pro-Chlore Salt A-120EX + pH/ORP (EXT-1)	<b>35260</b>	1	100	0.36
Pro-Chlore Salt A-180EX + pH/ORP (EXT-1)	<b>35261</b>	1	120	0.36
Pro-Chlore Salt A-300EX + pH/ORP (EXT-1)	<b>35262</b>	1	140	0.36
Pro-Chlore Salt A-600EX + pH/ORP (EXT-1)	<b>35263</b>	1	200	0.74

Optional probe holder for EXT-1  
(EXT-1+57769=EXT-1E)

<b>57769</b>	1	-	-
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Pro-Chlore Salt A-50EX + pH/PPM (EXT-2)	<b>45836</b>	1	60	0.17
Pro-Chlore Salt A-80EX + pH/PPM (EXT-2)	<b>45837</b>	1	70	0.19
Pro-Chlore Salt A-120EX + pH/PPM (EXT-2)	<b>45838</b>	1	105	0.36
Pro-Chlore Salt A-180EX + pH/PPM (EXT-2)	<b>45839</b>	1	125	0.36
Pro-Chlore Salt A-300EX + pH/PPM (EXT-2)	<b>45840</b>	1	145	0.36
Pro-Chlore Salt A-600EX + pH/PPM (EXT-2)	<b>45841</b>	1	205	0.74

Probe holder included with EXT-2

**AM**

Options for seawater (on request). Example: 45836-AM.



Optional:

Connection kit compatible with Fluidra Connect

<b>60363</b>	1	0.39	0.002
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Fluidra Connect  
compatible

	A-50	A-80	A-120	A-180	A-300	A-600
<b>Power supply (AC)</b>	230 V / 50 - 60 Hz				380 V / 50 - 60 Hz	
<b>Power rating (AC) 30C 5 g/l</b>	1.6 A	2.9 A	4.6 A	2.6 A	4.3 A	8.2 A
<b>Cable:</b>						
<b>Input (AC)</b>	3 x 1.0 mm <sup>2</sup>	3 x 1.0 mm <sup>2</sup>	3 x 2.5 mm <sup>2</sup>	5 x 1.5 mm <sup>2</sup>	5 x 4 mm <sup>2</sup>	5 x 4.0 mm <sup>2</sup>
<b>Output (DC)</b>	2 x 10 mm <sup>2</sup>	2 x 25 mm <sup>2</sup>	2 x 35 mm <sup>2</sup>	2 x 70 mm <sup>2</sup>	2 x 120 mm <sup>2</sup>	3 x 240 mm <sup>2</sup>
<b>Pipe connection</b>	Female thread 1½"	Flanges D63 mm				Flanges D90 mm
<b>Fuse</b>	5 AT (6 x 32 mm)	7 AT (6 x 32 mm)	10 AT (6 x 32 mm)	QM K10A	QM K20A	QM K25A
<b>Outlet</b>	9 V / 25 A	10 V / 40 A	10 V / 60A	10 V / 90 A	10 V / 150 A	10 V / 300 A
<b>Cooling</b>	Natural	Fan				
<b>Minimum flow rate</b>	9 m <sup>3</sup> /h	14 m <sup>3</sup> /h	20 m <sup>3</sup> /h	30 m <sup>3</sup> /h	50 m <sup>3</sup> /h	90 m <sup>3</sup> /h
<b>Electrodes</b>	8	12	8	12	16	2 x 15

**+ info****PDB**  
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[www.astralpool.com](http://www.astralpool.com)**SALT ELECTROLYSIS AND PH/CL CONTROL****Nature Salt**

Nature Salt equipment has a sustainable cycle through the removal of chloramines, 2 g salt/litre operation and chemical-free treatment. SELF-CLEANING industrial salt electrolysis system for public pool applications of up to 300 g chlorine/hour. High-pressure TWINCELL SYSTEM fitted with quality Nature Salt electrodes. To control more than one unit for the same pool you will need an AP PR-200 external control or Smart Control and the TRI multiple control kit (code 70338).

	Code	Pack. Standard	Weight kg Standard	Volume in m <sup>3</sup> Standard
Nature Salt 50EX/LS	<b>53810</b>	1	80	0.17
Nature Salt 80EX/LS	<b>53811</b>	1	90	0.19
Nature Salt 120EX/LS	<b>53812</b>	1	130	0.36
Nature Salt 180EX/LS	<b>53813</b>	1	145	0.36
Nature Salt 300EX/LS	<b>53814</b>	1	170	0.36

## External control option

(AP PR 60359-60361-60362, Smart Control 54523-4-5)

Nature Salt 50EX/LS + pH/ORP (EXT-1)	<b>53815</b>	1	80	0.17
Nature Salt 80EX/LS + pH/ORP (EXT-1)	<b>53816</b>	1	90	0.19
Nature Salt 120EX/LS + pH/ORP (EXT-1)	<b>53817</b>	1	130	0.36
Nature Salt 180EX/LS + pH/ORP (EXT-1)	<b>53818</b>	1	145	0.36
Nature Salt 300EX/LS + pH/ORP (EXT-1)	<b>53819</b>	1	170	0.36

Optional probe holder for EXT-1  
(EXT-1+57769=EXT-1E)

Optional probe holder for EXT-1 (EXT-1+57769=EXT-1E)	<b>57769</b>	1	-	-
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Nature Salt 50EX/LS + pH/PPM (EXT-2)	<b>53820</b>	1	85	0.36
Nature Salt 80EX/LS + pH/PPM (EXT-2)	<b>53821</b>	1	95	0.36
Nature Salt 120EX/LS + pH/PPM (EXT-2)	<b>53822</b>	1	135	0.36
Nature Salt 180EX/LS + pH/PPM (EXT-2)	<b>53823</b>	1	150	0.74
Nature Salt 300EX/LS + pH/PPM (EXT-2)	<b>53824</b>	1	175	0.74

Probe holder included with EXT-2

Fluidra Connect  
compatibleOptional:  
Connection kit compatible with Fluidra Connect

<b>60363</b>	1	0.39	0.002
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**Self-cleaning electrodes****Pro-Chlore Salt Series**

A-50EX/EXT-1/EXT-2	<b>60634</b>	1	-	-
A-80EX/EXT-1/EXT-2	<b>60636</b>	1	-	-
A-120EX/EXT-1/EXT-2	<b>60676</b>	1	-	-
A-180EX/EXT-1/EXT-2	<b>60677</b>	1	-	-
A-300EX/EXT-1/EXT-2	<b>60678</b>	1	-	-
A-600EX/EXT-1/EXT-2	<b>60679</b>	1	-	-

**Nature Salt Series**

A-50EX/LS/EXT-1/EXT-2	<b>60680</b>	1	-	-
A-80EX/LS/EXT-1/EXT-2	<b>60681</b>	1	-	-
A-120EX/LS/EXT-1/EXT-2	<b>60682</b>	1	-	-
A-180EX/LS/EXT-1/EXT-2	<b>60683</b>	1	-	-
A-300EX/LS/EXT-1/EXT-2	<b>60684</b>	1	-	-

**Easy Salt Series**

EASY SALT 50/EXT-1	<b>68104</b>	1	-	-
EASY SALT 70/EXT-1	<b>60685</b>	1	-	-
EASY SALT 90/EXT-1	<b>60686</b>	1	-	-
EASY SALT 180/EXT-1	<b>60687</b>	1	-	-

Technical specifications on  
the following page

## NEOLYSIS FOR PUBLIC POOLS



**Neolysis**, the most advanced water treatment by AstralPool: + Sustainability + Innovation + Disinfection + Healthy.

### Advantages:

- Unbeatable water quality.
- Dual disinfection based on UV and electrolysis.

### Characteristics:

- Two options: low salinity of 2–3 g/l (Neo LS) and standard salinity of 6 g/l (Neo S).
- The ultimate in chloramine reduction capacity (UV LP + Electrolysis).
- Self-cleaning electrodes that last 12,000–15,000 hours (NeoLS and Neo S).
- LP HO UV lamp (13,000 hours)
- Patented process.
- To control more than one unit for the same pool you will need an AP PR-200 external control or Smart Control and the TRI multiple control kit (code 70338).

### Neolysis S (5-6 g/L) + UV for public pools

	Code	Pack. Standard	Weight kg Standard	Volume in m <sup>3</sup> Standard
AP NEO/S 50 Gr/h + UV 75 W	<b>66142</b>	1	-	-
AP NEO/S 80 Gr/h + UV 90 W	<b>66143</b>	1	-	-
AP NEO/S 120 Gr/h + UV 2 x 90 W	<b>66144</b>	1	-	-
AP NEO/S 180 Gr/h + UV 3 x 90 W	<b>68120</b>	1	-	-
AP NEO/S 300 Gr/h + UV 4 x 90 W	<b>68123</b>	1	-	-
External control option (AP PR 60359-60361-60362, Smart Control 54523-4-5)				
AP NEO/S 50 Gr/h + UV 75 W + pH/ORP (EXT-1)	<b>66145</b>	1	-	-
AP NEO/S 80 Gr/h + UV 90 W + pH/ORP (EXT-1)	<b>66146</b>	1	-	-
AP NEO/S 120 Gr/h + UV 2 x 90 W + pH/ORP (EXT-1)	<b>66147</b>	1	-	-
AP NEO/S 180 Gr/h + UV 3 x 90 W + pH/ORP (EXT-1)	<b>68121</b>	1	-	-
AP NEO/S 300 Gr/h + UV 4 x 90 W + pH/ORP (EXT-1)	<b>68124</b>	1	-	-
Optional probe holder for EXT-1	<b>57769</b>	1	-	-
AP NEO/S 50 Gr/h + UV 75 W + pH/PPM (EXT-2)	<b>66148</b>	1	-	-
AP NEO/S 80 Gr/h + UV 90 W + pH/PPM (EXT-2)	<b>66149</b>	1	-	-
AP NEO/S 120 Gr/h + UV 2 x 90 W + pH/PPM (EXT-2)	<b>66150</b>	1	-	-
AP NEO/S 180 Gr/h + UV 3 x 90 W + pH/PPM (EXT-2)	<b>68122</b>	1	-	-
AP NEO/S 300 Gr/h + UV 4 x 90 W + pH/PPM (EXT-2)	<b>68125</b>	1	-	-
Optional: Connection kit compatible with Fluidra Connect (without lamp control)	<b>60363</b>	1	0.39	0.002

### Neolysis LS (1.5-2 g/L) + UV for public pools

	Code	Pack. Standard	Weight kg Standard	Volume in m <sup>3</sup> Standard
AP NEO 50 Gr/h + UV 75 W	<b>57753</b>	1	-	-
AP NEO 80 Gr/h + UV 90 W	<b>57761</b>	1	-	-
AP NEO 120 Gr/h + UV 2 x 90 W	<b>57762</b>	1	-	-
AP NEO 180 Gr/h + UV 3 x 90 W	<b>68117</b>	1	-	-
External control option (AP PR 60359-60361-60362, Smart Control 54523-4-5)				
AP NEO 50 Gr/h + UV 75 W + pH/ORP (EXT-1)	<b>57763</b>	1	-	-
AP NEO 80 Gr/h + UV 90 W + pH/ORP (EXT-1)	<b>57764</b>	1	-	-
AP NEO 120 Gr/h + UV 2 x 90 W + pH/ORP (EXT-1)	<b>57765</b>	1	-	-
AP NEO 180 Gr/h + UV 3 x 90 W + pH/ORP (EXT-1)	<b>68118</b>	1	-	-
Optional probe holder for EXT-1	<b>57769</b>	1	-	-
AP NEO 50 Gr/h + UV 75 W + pH/PPM (EXT-2)	<b>57766</b>	1	-	-
AP NEO 80 Gr/h + UV 90 W + pH/PPM (EXT-2)	<b>57767</b>	1	-	-
AP NEO 120 Gr/h + UV 2 x 90 W + pH/PPM (EXT-2)	<b>57768</b>	1	-	-
AP NEO 180 Gr/h + UV 3 x 90 W + pH/PPM (EXT-2)	<b>68119</b>	1	-	-
Optional: Connection kit compatible with Fluidra Connect (without lamp control)	<b>60363</b>	1	0.39	0.002

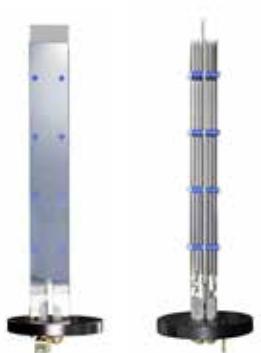
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[www.astralpool.com](http://www.astralpool.com)**NEOLYSIS FOR PUBLIC POOLS****Neolysis LS / S - Technical features**

Neolysis S (5 - 6 g/L) + UV			
AP NEO Basic	AP NEO pH/ORP	AP NEO pH/PPM	Production Zero Salt Electrolysis + UV
66142	66145	66148	50 gr Cl <sub>2</sub> /hr + 75 W UV
66143	66146	66149	80 gr Cl <sub>2</sub> /hr + 90 W UV
66144	66147	66150	120 gr Cl <sub>2</sub> /hr + 180 W UV
68120	68121	68122	180 gr Cl <sub>2</sub> /hr + 270 W UV
68123	68124	68125	300 gr Cl <sub>2</sub> /hr + 360 W UV

Neolysis LS (1.5 - 2 g/L) + UV			
AP NEO Basic	AP NEO pH/ORP	AP NEO pH/PPM	Production Zero Salt Electrolysis + UV
57753	57763	57766	50 gr Cl <sub>2</sub> /hr + 75 W UV
57761	57764	57767	80 gr Cl <sub>2</sub> /hr + 90 W UV
57762	57765	57768	120 gr Cl <sub>2</sub> /hr + 180 W UV
68117	68118	68119	180 gr Cl <sub>2</sub> /hr + 270 W UV

**LS/S Neolysis electrodes for public pools**

	Code	Pack. Standard	Weight kg Standard	Volume in m <sup>3</sup> Standard
75-W UV LP-20 lamp (Codes 57753, 57763, 57766, 66142, 66145, 66148)	<b>60608</b>	1	0.10	-
90-W UV LP-25 lamp (Codes 57761, 57764, 57767, 68117, 68118, 68119, 66143, 66146, 66149, 68120, 68121, 68122, 68123, 68124, 68125)	<b>60609</b>	1	0.10	-
Lamp replacement kit UV LP 2x90 W (Codes 57762, 57765, 57768, 66144, 66147, 66150)	<b>60619</b>	1	0.20	-
UV LP-20/25/30 quartz (lamps 75 W and 90 W)	<b>60631</b>	1	0.09	-

**LS/S Neolysis electrodes for public pools**

	Code	Pack. Standard	Weight kg Standard	Volume in m <sup>3</sup> Standard
50 gr/h - 75 W Neolysis electrode (Codes 57753, 57763, 57766)	<b>61119</b>	1	-	-
80 gr/h - 90 W Neolysis electrode (Codes 57761, 57764, 57767)	<b>61120</b>	1	-	-
120 gr/h - 2 x 90 W Neolysis electrode (Codes 57762, 57765, 57768)	<b>61121</b>	1	-	-
180 gr/h - 3 x 90 W Neolysis electrode (Codes 68117, 68118, 68119)	<b>68126</b>	1	-	-

## UV AUTOMATIC DISINFECTION



AstralPool presents Heliox UV, a new automatic UVC light system, which guarantees double disinfection through a significant reduction in the amount of chloramines (bound chlorine) along with the neutralisation of bacteria, viruses and other microorganisms present in water by impeding their reproduction. The range comprises the Heliox UV LP model for private pools, the Heliox UV MP for public pools.

### The advantages of UV-C technology:

- 100% of pool water is treated.
- The disinfected water is free of unpleasant smells and does not irritate the eyes, thanks to a drastic reduction in the amount of chloramines.
- They save money as fewer chemical products are required.
- They are environmentally friendly because:  
Less fresh water is needed (daily water renewal is reduced).  
Fewer waste by-products are formed, resulting in a reduction in subsequent water treatment.  
The UV-C equipment does not add any chemical products to the water.

### Heliox-UV operation

UV-C disinfection is a local treatment (UV chamber), which takes place as the water in the pool circulates through the chamber that contains the UV-C lamps. The accurate delivery of radiation (W UV-C) and residence time in the system ensure the effective neutralisation of 99.9% of microorganisms, as well as the reduction of chloramines to safe levels (<0.6 ppm).



### Heliox UV MP for public pools

Heliox UV MP (medium pressure) systems are designed to be used in public pools. These lamps operate over a wide spectrum to cover the whole of the UV region (see graph), which makes possible the effective eradication of chloramines (<0.6 ppm) in the pool water and its efficient disinfection due to the neutralisation of microorganisms (99.9%), including those resistant to chlorine treatment.

#### NEW

- More compact design (UV reactor in AISI-316).
- Adjustable to between 70 and 100% of rated power, in 1% increments, by means of a self-cooling electronic ballast.
- Fluidra technology (design and manufacturing).
- Calibrated UV-C radiation sensor ( $mW/cm^2$ ). Precise dose control. Instant power adjustment to process conditions. Saves energy and extends the lamp's lifetime.
- Advanced colour touch screen. System menu for browsing process parameters and log files.
- All UV MP 50->450 and UV MP 50AWP -> 450AWP models are built in compliance with UL NSF.

#### Advanced versions:

- Embedded web

The control architecture used in Heliox UV PM systems has a number of features that make them reliable, energy-efficient and scalable to the highest possible level.

The Heliox UV MP systems use two parameters for adjusting the power setting: average radiation and flow. All models have a rated radiation profile that ensures a dose of  $60mJ/cm^2$ . If the flow is lower than the rated value, the same will apply to the required radiation level and the system reduces the power input, thus optimising power consumption and the lamp's lifetime. Likewise, if radiation drops due to losses caused by cloudy water, scaling or lamp emission efficiency, the system will adjust the power so that the right dose is supplied.



	Code	Pack. Standard	Weight kg Standard	Volume in m <sup>3</sup> Standard
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Heliox UV MP 50	<b>52200</b>	1	-	-
Heliox UV MP 80	<b>52201</b>	1	-	-
Heliox UV MP 140	<b>52202</b>	1	-	-
Heliox UV MP 300	<b>52203</b>	1	-	-
Heliox UV MP 450	<b>52204</b>	1	-	-
Heliox UV MP 675	<b>52205</b>	1	-	-

#### Heliox UV MP Auto Wiper

Heliox UV MP 50 W	<b>58808</b>	1	-	-
Heliox UV MP 80 W	<b>58809</b>	1	-	-
Heliox UV MP 140 W	<b>58698</b>	1	-	-
Heliox UV MP 300 W	<b>58810</b>	1	-	-
Heliox UV MP 450 W	<b>58699</b>	1	-	-
Heliox UV MP 675 W	<b>58811</b>	1	-	-

For sea water application, contact with AstralPool

Technical specifications on  
the following page

## UV AUTOMATIC DISINFECTION

### LampsHeliox System UV MP



	Code	Pack. Standard	Weight kg Standard	Volume in m³ Standard
Lamp UV MP 50/80 (Codes 52200, 52201, 58808, 58809)	<b>60638</b>	1	0.125	-
Lamp UV MP 140 (Codes 52202, 58698)	<b>60639</b>	1	0.255	-
Lamp UV MP 300/450/675 (Codes 52203, 52204, 52205, 58810, 58699, 58811)	<b>60642</b>	1	0.275	-
Quartz tube case MP 50/80/140	<b>60643</b>	1	0.050	-
Quartz tube case MP 300/450/675	<b>60644</b>	1	0.050	-

### Heliox UV LP system for public pools

UV LP Inox and UV LP PE (LP = low pressure) systems are designed to be used in public pools. They act at a wavelength of 254 nm, which is ideal for eliminating microorganisms. They will enable you to benefit from the latest ultraviolet light technology in the field of water treatment.

#### New features of LP S.S. & LP PE:

- Stainless steel and polyethylene versions.
- Multi-lamp version.
- Fluidra technology (design and manufacturing).
- Lamp "ON" indicator.
- Electronic counter for working time and ignitions (lamp lifetime control).
- Flow switch included as standard.



### Heliox UV LP INOX

Heliox UV LP	Code	Pack. Standard	Weight kg Standard	Volume in m³ Standard
I45 inox 270 W / 90 W (UVC)	<b>60344</b>	1	-	-
I65 inox 360 W / 120 W (UVC)	<b>60345</b>	1	-	-
I85 inox 450 W / 150 W (UVC)	<b>60346</b>	1	-	-
I95 inox 540 W / 180 W (UVC)	<b>60347</b>	1	-	-

### Heliox UV LP PE



Heliox UV LP	Code	Pack. Standard	Weight kg Standard	Volume in m³ Standard
P20EX PE 90 W / 30 W (UVC)	<b>63138</b>	1	-	-
P25EX PE 180 W / 60 W (UVC)	<b>63139</b>	1	-	-
P30EX PE 270 W / 90 W (UVC)	<b>63140</b>	1	-	-
P35 PE 270 W / 90 W (UVC)	<b>60348</b>	1	-	-
P45 PE 360 W / 120 W (UVC)	<b>60349</b>	1	-	-
P60 PE 450 W / 150 W (UVC)	<b>60354</b>	1	-	-
P70 PE 540 W / 180 W (UVC)	<b>60358</b>	1	-	-
P95 PE 680 W / 204 W (UVC)	<b>63135</b>	1	-	-
P140 PE 1020 W / 306 W (UVC)	<b>63136</b>	1	-	-
P180 PE 1360 W / 408 W (UVC)	<b>64347</b>	1	-	-
P220 PE 1700 W / 510 W (UVC)	<b>64348</b>	1	-	-
P260 PE 2040 W / 612 W (UVC)	<b>64349</b>	1	-	-
P300 PE 2380 W / 714 W (UVC)	<b>63137</b>	1	-	-

## UV AUTOMATIC DISINFECTION

Heliox UV LP system for public pools

Material	Code	Model	Flow rate (35 mJ/cm <sup>2</sup> ) Freshwater	Flow rate (35 mJ/cm <sup>2</sup> ) Seawater	Flow rate (60 mJ/cm <sup>2</sup> ) Freshwater	No. Lamps	Rated / UV-C power	Total height	Ø reactor
Stainless steel	60344	UV LP 45	45 m <sup>3</sup> /h	-	22m <sup>3</sup> /h	3X90 w	90 UV-C (W)	1092	204
Stainless steel	60345	UV LP 65	65 m <sup>3</sup> /h	-	30m <sup>3</sup> /h	4X90 w	120 UV-C (W)	1092	204
Stainless steel	60346	UV LP 85	85 m <sup>3</sup> /h	-	37m <sup>3</sup> /h	5X90 w	150 UV-C (W)	1092	204
Stainless steel	60347	UV LP 95	95 m <sup>3</sup> /h	-	43m <sup>3</sup> /h	6X90 w	180 UV-C (W)	1092	204
PE	60348	UV LP P35	35 m <sup>3</sup> /h	26 m <sup>3</sup> /h	18m <sup>3</sup> /h	3X90 w	90 UV-C (W)	1020	250
PE	60349	UV LP P45	45 m <sup>3</sup> /h	33 m <sup>3</sup> /h	22m <sup>3</sup> /h	4X90 w	120 UV-C (W)	1020	250
PE	60354	UV LP P60	60 m <sup>3</sup> /h	45 m <sup>3</sup> /h	30m <sup>3</sup> /h	5X90 w	150 UV-C (W)	1020	250
PE	60358	UV LP P70	70 m <sup>3</sup> /h	53 m <sup>3</sup> /h	35m <sup>3</sup> /h	6X90 w	180 UV-C (W)	1020	250
PE	63138	UV LP 20 EX	20 m <sup>3</sup> /h	15 m <sup>3</sup> /h	-	1X90 w	30 UV-C (W)	950	200
PE	63139	UV LP 25 EX	25 m <sup>3</sup> /h	19 m <sup>3</sup> /h	-	2X90 w	60 UV-C (W)	950	200
PE	63140	UV LP 30 EX	30 m <sup>3</sup> /h	23 m <sup>3</sup> /h	-	3X90 w	90 UV-C (W)	950	200
PE	63135	UV LP P95	101 m <sup>3</sup> /h	62 m <sup>3</sup> /h	-	2X340 w	204 UV-C (W)	1319	315
PE	63136	UV LP P140	152 m <sup>3</sup> /h	95 m <sup>3</sup> /h	-	3X340 w	306 UV-C (W)	1319	315
PE	64347	UV LP P180	198 m <sup>3</sup> /h	113 m <sup>3</sup> /h	-	4X340 w	408 UV-C (W)	1319	315
PE	64348	UV LP P220	242 m <sup>3</sup> /h	151 m <sup>3</sup> /h	-	5X340 w	510 UV-C (W)	1319	315
PE	64349	UV LP P260	283 m <sup>3</sup> /h	179 m <sup>3</sup> /h	-	6X340 w	612 UV-C (W)	1319	315
PE	63137	UV LP P300	327 m <sup>3</sup> /h	198 m <sup>3</sup> /h	-	7X340 w	714 UV-C (W)	1319	315

## Heliox UV LP lamps



	Code	Pack. Standard	Weight kg Standard	Volume in m <sup>3</sup> Standard
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90-W UV LP-25 lamp  
(Codes 60344, 60345, 60347, 63138,  
63139, 63140, 60348, 60349, 60354, 60358)

**60609**

1

-

-

UV LP-20/25/30 quartz  
(lamps 75 W and 90 W)

**60631**

1

-

-

340 W UV LP lamp  
(Codes 63135, 63136, 64347, 64348, 64349, 63137)

**66062**

1

-

-

UV LP 1100MM quartz  
(Lamps 400 W)

**66063**

1

-

-

**+ info****PDB**  
Product DatabaseConsulte + info en **PRODUCTOS.**  
[www.astralpool.com](http://www.astralpool.com)**DOSING PUMPS****Exactus membrane dosing pumps**

All systems comply with EC regulations. IP-65 protection. Electrical connection: 220/240 V 50/60 Hz. Materials in contact with the liquid: Polypropylene, Viton, Teflon and PVC. Other valve models in different materials available on request. Includes anti-acid plastic housing. Touch sensitive moisture resistant indicator. Drainage valve included. Lubrication-free, minimal maintenance. On request, the unit can be supplied with outlet, level probe or other operating voltages.

## Available materials:

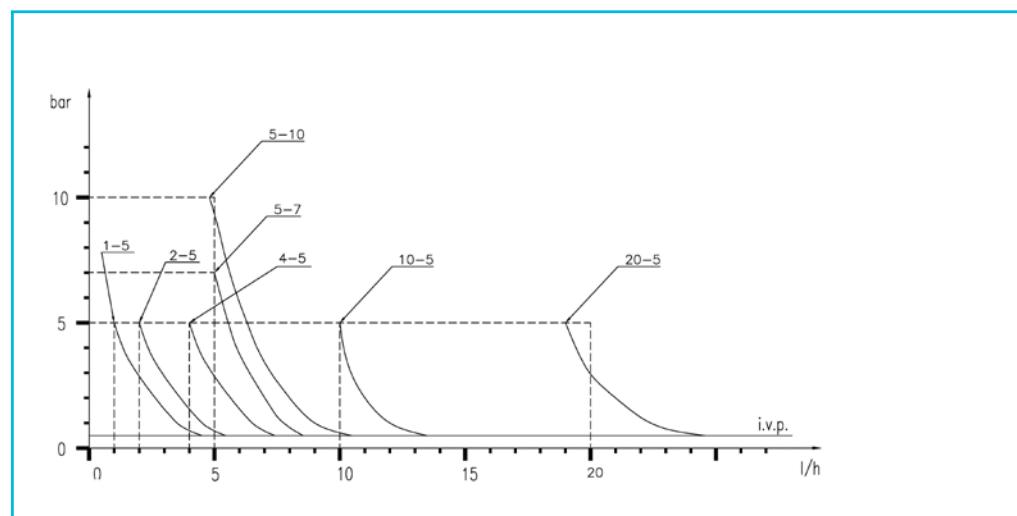
Pump head: PP, and available in PVDF and PTFE to order

Diaphragm: PTFE

Valves: FPM lip valve (Viton) and other elastomers such as EPDM (Dutral), NBR (nitrile) and silicone available to order. Ceramic ball valves available.

Connections: 4 x 6 mm

Installation kit included with all pumps: full suction filter (PP-FPM by Viton), injection valve ( PP-FPM by Viton), suction/return piping 2 m + 2 m PVC, 2-m PE distribution hose.

**EXACTUS PUMP PERFORMANCE CURVE****Manual analogue Exactus model**

Electronic dosing pump for wall mounting or horizontal base. Manually regulated flow rate. Regulation range: 0-100% and 0-20%. Acid resistant plastic housing.

		Code	Pack. Standard	Weight kg Standard	Volume in m <sup>3</sup> Standard
Manual Analog	2 l/h - 5 bar	57153	1	4	0.005
Manual Analog	2 l/h - 10 bar	57154	1	4	0.005
Manual Analog	5 l/h - 7 bar	57155	1	4	0.005
Manual Analog	5 l/h - 10 bar	57156	1	4	0.005
Manual Analog	10 l/h - 5 bar	57157	1	4	0.005
Manual Analog	20 l/h - 5 bar	57158	1	4	0.005

## DOSING PUMPS



## Exactus manual digital model

Electronic dosing pump for wall mounting or horizontal base. Manually regulated flow rate with digital control for injection frequency. 3 digit display. Regulation range: 0-100%, with a scale of 1%. Product ready to incorporate level probe (not included). Acid resistant plastic housing.

		Code	Pack. Standard	Weight kg Standard	Volume in m <sup>3</sup> Standard
Manual Digital	2 l/h - 5 bar	57159	1	4	0.005
Manual Digital	5 l/h - 7 bar	57160	1	4	0.005
Manual Digital	5 l/h - 10 bar	57161	1	4	0.005
Manual Digital	10 l/h - 5 bar	57162	1	4	0.005
Manual Digital	20 l/h - 5 bar	57163	1	4	0.005



## Exactus Proportional model

Proportional pump controlled by the mA signal. The pump may be connected to a transmitter/indicator instrument or to another device that feeds in an intensity-modulated signal of 0 to 20mA. The frequency drive of the pump will be proportional to the mA signal received, i.e. the higher the signal, the greater the pump flow rate. The pump can be set to work in reverse mode, i.e. the higher the signal, the lower the flow rate. This model can be adapted for other mA rates (0-20mA, 4-20mA, 20-4mA). Product can incorporate a level probe (sold separately)

		Code	Pack. Standard	Weight kg Standard	Volume in m <sup>3</sup> Standard
Proportional (4-20mA) 5 l/h - 7 bar		57164	1	4	0.005
Proportional (4-20mA) 5 l/h - 10 bar		57165	1	4	0.005
Proportional (4-20mA) 10 l/h - 5 bar		57166	1	4	0.005
Proportional (4-20mA) 20 l/h - 5 bar		57167	1	4	0.005



## Exactus model pH / Rx

Backlit LCD screen, ON / OFF or proportional operating modes, 0 ÷ 14 pH; -1000 ÷ 1400 mV, pH, RX (ORP) electrode inlet (10 Tera Ohm) (electrode not included), screen resolution: 0.01 pH; ± 1mV. Product can include a level probe (not included).

		Code	Pack. Standard	Weight kg Standard	Volume in m <sup>3</sup> Standard
pH / Rx 5 l/h - 7 bar		57892	1	4	0.005
pH / Rx 5 l/h - 10 bar		57893	1	4	0.005
pH / Rx 10 l/h - 5 bar		57894	1	4	0.005



## Exactus Volumetric VFT model

Electronic dosing pump for mounting on base or wall. Proportional volumetric dosing pump that works from signals received from a flow meter. Can be operated in manual or automatic mode depending on the signals received. Product can incorporate a level probe (sold separately)

		Code	Pack. Standard	Weight kg Standard	Volume in m <sup>3</sup> Standard
Volumetric VFT 5 l/h - 7 bar		57174	1	4	0.005
Volumetric VFT 5 l/h - 10 bar		57175	1	4	0.005
Volumetric VFT 10 l/h - 5 bar		57176	1	4	0.005
Volumetric VFT 20 l/h - 5 bar		57177	1	4	0.005

**+ info****PDB**  
Product DatabaseConsulte + info en **PRODUCTOS.**  
[www.astralpool.com](http://www.astralpool.com)**DOSING PUMPS****pH electrode**

5-metre pH probe with plastic BNC connector.

Code	Pack. Standard	Weight kg Standard	Volume in m <sup>3</sup> Standard
<b>21538</b>	1	0.2	0.001

**RX electrode**

5-metre RX probe with plastic BNC connector.

Code	Pack. Standard	Weight kg Standard	Volume in m <sup>3</sup> Standard
<b>21539</b>	1	0.3	0.001

**pH electrode kit**

Includes pH electrode, buffer solutions, electrode holder, level probe. For Exactus.

Code	Pack. Standard	Weight kg Standard	Volume in m <sup>3</sup> Standard
<b>56122</b>	1	-	-

**RX electrode kit**

Includes RX electrode, buffer solutions, electrode holder, level probe. For Exactus.

Code	Pack. Standard	Weight kg Standard	Volume in m <sup>3</sup> Standard
<b>56124</b>	1	-	-

**CL electrode**

For CL Exactus model.

Code	Pack. Standard	Weight kg Standard	Volume in m <sup>3</sup> Standard
<b>45896</b>	1	-	-

**Electrode holder for chamber**

Code	Pack. Standard	Weight kg Standard	Volume in m <sup>3</sup> Standard
<b>01305</b>	1	0.3	0.001

**Electrode holder (pressure)**

For working with pressure.

Code	Pack. Standard	Weight kg Standard	Volume in m <sup>3</sup> Standard
<b>01306</b>	1	0.3	0.001

## DOSING PUMPS

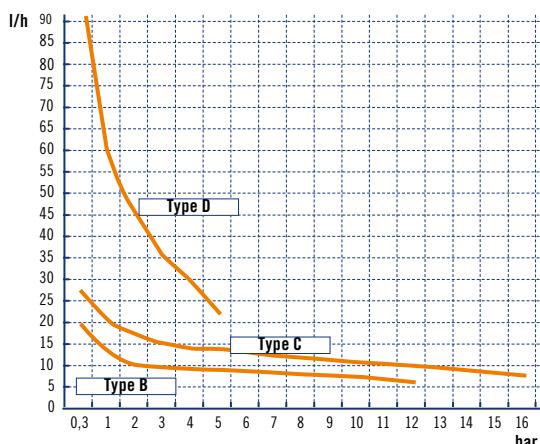
## OPTIMA dosing pump

The OPTIMA dosing pump represents the development of more than 30 years of experience in the automatic dosing field. This new series reduces the number of pumps required to meet the various dosing needs.

The OPTIMA dosing pump series, with its new power supply technology from 90, VCA to 265 VCA and at 50-60 Hz, ensures a precision and reliability never seen before.

Integration of many functions due to its simple programming, an alphanumeric display, the possibility of multilingual programming of the menu and a new technology which permit controlled flow rate and back pressure. Allows to use the same model for various applications providing a great versatility.

Systems manufactured in compliance with EC standards. IP5 protection. 90-265V AC 50/60 Hz power supply. Components in contact with chemicals are made of polypropylene, Viton, Teflon and PVC. (Other materials are available if made to order.) Acid-resistant casing. Moisture-resistant membrane push buttons. Built-in purge valve. No lubrication and little maintenance work required. Electrodes and calibration solutions not included. Also available with a peristaltic pump (see page 531).



Sensors						
pH sensor with calibration solutions (Code: 36004)	●			●		
Redox sensor with calibration solutions (Code: 36005)		●				●



## OPTIMA constant flow rate analogue dosing pump

In OPTIMA constant flow rate analogue dosing pumps, the flow rate can be set as a percentage using the potentiometer under the front panel, which modifies the pump's operation frequency. The pumps in this range have an level inlet probe.

**Double scale adjustment: the maximum dosing frequency can be divided into 5. This double scale allows users to have two pumps with a single unit.**

Power supply from 90 to 230 VCA at 50-60 Hz with plug and switch.

Code	Pack. Standard	Weight kg Standard	Volume in m <sup>3</sup> Standard
------	-------------------	-----------------------	--------------------------------------

**Adjustable manual Optima pump**

B-type pump of 5–10 bar and 2–5 l/h

**57132** 1 3.5 0.01

C-type pump of 5 bar and 10 l/h

**57133** 1 4.5 0.01

D-type pump of 5 bar and 120 l/h

**57135** 1 4.5 0.01



## OPTIMA NEXT constant flow rate analogue dosing pump

The flow rate is fully adjustable from the flow meter. Power supply from 90 to 230 VCA at 50-60 Hz without plug.

Code	Pack. Standard	Weight kg Standard	Volume in m <sup>3</sup> Standard
------	-------------------	-----------------------	--------------------------------------

Adjustable Optima manual pump  
at 8 bar and 5 l/h

**66164** 1 - -

**+ info****PDB**  
Product DatabaseConsulte + info en **PRODUCTOS.**  
[www.astralpool.com](http://www.astralpool.com)**DOSING PUMPS****OPTIMA proportional and volumetric dosing pump**

OPTIMA pumps provide all the functions of proportional dosing in a single model.

**Features:**

- Proportional with analogue signals 4 - 20 mA.
- Proportional with digital signals and the possibility of:
  - Multiplying the input impulses (1:n)
  - Dividing the input impulses (n:1)
  - Function in ppm
  - The pump has a memory function for processing input impulses dosing
- Level alarm with pump disconnection.
- Maximum dosing flow rate to prevent overdosing.
- Password for protecting programmed data
- Possibility of alarm connection
- Power supply from 90 to 265 VCA at 50-60 Hz with plug

	Code	Pack. Standard	Weight kg Standard	Volume in m <sup>3</sup> Standard
Type B Model 7-10 bar and 5 litres	<b>57136</b>	1	3.5	0.01
Type C Model 5 bar and 10 litres	<b>57137</b>	1	4.5	0.01
Type D Model 5 bar and 20 litres	<b>57138</b>	1	4.5	0.01

**OPTIMA NEXT proportional and volumetric dosing pump**

OPTIMA pumps provide all the functions of proportional dosing in a single model.

**Features:**

- Proportional with analogue signals 4 - 20 mA.
- Reading of pulses/minute.
- Chemical product minimum level inlet.
- pulse entry for dosing proportional from pulse emitter counter
- Remote start/stop
- Power supply from 90 to 265 VCA at 50-60 Hz without plug

	Code	Pack. Standard	Weight kg Standard	Volume in m <sup>3</sup> Standard
Model 8 bar and 5 litres	<b>66165</b>	1	-	-

**OPTIMA PLUS dosing pump with pH or redox tester**

OPTIMA dosing pump with built-in pH/Redox control. pH/Redox instrument.

Automatic calibration: Calibration by simply pressing a button, with the possibility of controlling the level of probe efficiency.

**Features:**

- 90-265 VAC 50/60 Hz power supply
- Manual temperature compensation for pH or optionally automatic via Pt100.
- 4...20mA output for printed register or transmission of the reading.
- Level alarm with pump disconnection or simple warning of lack of product by means of the alarm relay.
- Alarm notifying deactivation of the programmable setpoint across whole of the measurement range.
- Dosing delay time to stop the dosing pump from injecting product in event of poor sensor operation.
- Maximum dosing pump flow rate for preventing overdosing.
- Password for protecting programmed data
- Possibility of alarm connection

	Code	Pack. Standard	Weight kg Standard	Volume in m <sup>3</sup> Standard
--	------	-------------------	-----------------------	--------------------------------------

**Type C Optima Redox/pH**

control dosing pump

(10 bar and 5 l/h and 5 bar and 10 l/h)

**66179**

1

4.5

0.01

Fluidra Connect  
compatible

**Probe not included.**  
**Electrode holder not included (code 01306)**

Optional

PT100 sensor

**66758**

-

-

-

Flange for PT100

**66759**

-

-

-

## DOSING PUMPS



**Probe not included.**  
**Electrode holder not included (code 01306)**

### OPTIMA NEXT dosing pump with pH or redox tester

OPTIMA dosing pump with built-in pH/Redox control instrument.  
 Automatic calibration by simply pressing a button, with the possibility of controlling the degree of probe efficiency.

**Features:**

- Power supply from 90 to 265 VCA at 50-60 Hz without plug
- Manual temperature adjustment for pH or optional automatic adjustment with PT100 (probe not included).
- Level control input.
- Remote off control.

	Code	Pack. Standard	Weight kg Standard	Volume in m <sup>3</sup> Standard
--	------	-------------------	-----------------------	--------------------------------------

Optima Next dosing pump  
 redox control/pH control at 8 bar and 5 l/h

**66166**

1

-

-



### Bracket for mounting above tank

Optional bracket for mounting the OPTIMA series and pH Basic Plus in a horizontal position, for example on top of a chemical products tank.

	Code	Pack. Standard	Weight kg Standard	Volume in m <sup>3</sup> Standard
	<b>36830</b>	1	0.1	0.002



### Peristaltic dosing pumps

90/260V 50/60 Hz electrical connection.

**The installation kit includes:**

- Transparent glass-type flexible 2-m PVC suction pipe.
- Semi-rigid white polyethylene 2-m return pipe.
- 3/8" BSP m. injection valve.
- Pool floor filter.

	Code	Pack. Standard	Weight kg Standard	Volume in m <sup>3</sup> Standard
--	------	-------------------	-----------------------	--------------------------------------

Peristaltic pump 4 l/h (3 bar)  
 Peristaltic pump 12 l/h (1 bar)

**57179**

1

-

-

**57178**

1

-

-



### Polyethylene cylindrical tanks

To hold chemicals for dosage pumps.

	Code	Pack. Standard	Weight kg Standard	Volume in m <sup>3</sup> Standard
--	------	-------------------	-----------------------	--------------------------------------

Capacity: 125 l

**01314**

1

4.5

0.120

Capacity: 250 l

**01315**

1

10.0

0.390

Capacity: 350 l

**01316**

1

14.0

0.510

Capacity: 500 l

**01317**

1

21.5

0.760

Capacity: 1000 l

**28831**

1

-

-



### Manual stirrer

For Polyethylene tanks.

	Code	Pack. Standard	Weight kg Standard	Volume in m <sup>3</sup> Standard
--	------	-------------------	-----------------------	--------------------------------------

Length 60 cm

**01318**

1

0.5

0.010

Length 90 cm

**01319**

1

1.2

0.020

**+ info****PDB**  
Product DatabaseConsulte + info en **PRODUCTOS.**  
[www.astralpool.com](http://www.astralpool.com)**CONTINUOUS FLOCCULATION SYSTEM****Floc System**

Automation flocculant dosing adjustable flow water pools. Includes: adjustable pump from 151 cm<sup>3</sup>/h until 1.5 l/h, injector valve, bottom filter, suction and return tube.

Code	Pack. Standard	Weight kg Standard	Volume in m <sup>3</sup> Standard
<b>54528</b>	1	1	0.0044

**WATER METERS****Wolman type turbine meters**

Wolman type axial turbine water meter, with numerical counter readout, and numbered drums. Dry dial with magnetic transmission. Easily removable gearwork and turbine. Pre-set for pulse emission. IP-68 protection level. CYBLE type pulse emission.

	Code	Pack. Standard	Weight kg Standard	Volume in m <sup>3</sup> Standard
2" gauge - 50 mm	<b>20430</b>	1	12.0	0.004
2½" gauge - 65 mm	<b>20431</b>	1	13.6	0.004
3" gauge - 80 mm	<b>20432</b>	1	14.6	0.004
4" gauge - 100 mm	<b>20433</b>	1	20.0	0.006
5" gauge - 125 mm	<b>20434</b>	1	30.0	-
6" gauge - 150 mm	<b>20435</b>	1	36.0	0.009
8" gauge - 200 mm	<b>20436</b>	1	55.0	0.012
CYBLE type emitter K= 1 l/pulse	<b>23235</b>	1	-	-
CYBLE type emitter K= 10 l/pulse	<b>23235-0010</b>	1	-	-
CYBLE type emitter K= 100 l/pulse	<b>23235-0100</b>	1	-	-

**AUTOMATIC REGULATION AND CONTROL EQUIPMENT**

60359

**AP PR-200 - Compatible Electrolysis**

The expert's choice for dosing control. The built-in panels based on Series AP PR controllers provide the best solution for the plug & play devices pre-assembled on the panel. There are several versions for the control of the water's pH, ORP and FREE CHLORINE levels.

60361



AP PR-200 equipment is compatible with the Easy Salt, ProChlore Salt and Neolysis ranges

This is also the recommended solution for experts whenever several chlorination systems must be controlled at the same time from a single control and regulation panel (multiple control through the TIP kit).

60362



	Code	Pack. Standard	Weight kg Standard	Volume in m <sup>3</sup> Standard
AP PR-206 pH/ORP	<b>60359</b>	1	-	-
AP PR-207 pH/Cl <sub>2</sub> PPM*	<b>60361</b>	1	-	-
AP PR-204 Cl <sub>2</sub> PPM*	<b>60362</b>	1	-	-
AP PR-204 pH/ORP + integrated TRI KIT*	<b>60359-KIT TRI</b>	1	-	-
AP PR-207 pH/Cl <sub>2</sub> PPM + integrated TRI KIT*	<b>60361-KIT TRI</b>	1	-	-
AP PR-204 Cl <sub>2</sub> PPM + integrated TRI KIT*	<b>60362-KIT TRI</b>	1	-	-
ECC1S Electrolyte / free chlorine sensor gel (seawater)	<b>64658</b>	1	-	-
Optional: TRI kit, 3-unit simultaneous control	<b>70338</b>	1	-	-

Fluidra Connect  
compatible

\* Models with Cl<sub>2</sub> ppm: seawater can be used by substituting the gel electrolyte supplied with the standard unit for the gel electrolyte specifically for seawater (code 64658), which must be ordered separately.

## AUTOMATIC REGULATION AND CONTROL EQUIPMENT

New

## Control Connect: The smart multi-setting controller

A range of multi-setting control panels with colour touchscreen. Easy and efficient control of water sanitisation. Fully automated pool water treatment.

- Multi-function TFT colour touchscreen.
- 4 programmable timer relays and 4 digital inputs
- Poolstation (Ethernet as standard).
- Fluidra Connect Compatible.



	Code	Pack. Standard	Weight kg Standard	Volume in m <sup>3</sup> Standard
pH / ORP / Temp. with in-line probe holder	71537	1	5.85	-
pH / ORP / Temp. with panel probe holder	71538	1	6.85	-
pH / Cl (ppm) Temp. with panel probe holder	71539	1	6.85	-



71537



71538



71539



## Amperometric Chlorine Sensors

- Free Chlorine Sensor  
ECC1 Electrolyte / Gel for Organic Chlorine Sensor  
Membrane for CL.01.02 Inorganic Chlorine Sensor  
ECC1S Electrolyte / free chlorine sensor gel  
(Salt water).

	Code	Pack. Standard	Weight kg Standard	Volume in m <sup>3</sup> Standard
Free Chlorine Sensor	60645	1	0.22	-
ECC1 Electrolyte / Gel for Organic Chlorine Sensor	60646	1	0.07	-
Membrane for CL.01.02 Inorganic Chlorine Sensor	60647	1	0.02	-
ECC1S Electrolyte / free chlorine sensor gel (Salt water).	64658	1	0.02	-



## pH / ORP Sensors

- pH combined electrode  
ORP electrode

	Code	Pack. Standard	Weight kg Standard	Volume in m <sup>3</sup> Standard
pH combined electrode	60648	1	0.20	-
ORP electrode	60649	1	0.20	-

**+ info****PDB**  
Product DatabaseConsulte + info en **PRODUCTOS.**  
[www.astralpool.com](http://www.astralpool.com)**AUTOMATIC REGULATION AND CONTROL EQUIPMENT****Calibration Solutions**

	Code	Pack. Standard	Weight kg Standard	Volume in m <sup>3</sup> Standard
Buffer solution pH 7.0 - 50 mL (Green)	60618	1	0.053	-
Buffer solution pH 4.0 - 50 mL (Red)	60632	1	0.058	-
Calibration solution 470 mV - 50 mL	60633	1	0.060	-

**Pool Patrol**

The Colorimetric controller unit gives a reply to the demand of the Swimming Pool Market requiring compact, easy and low maintenance device, with IP65 enclosure. The available measures are: Free Chlorine (DPD1), pH, Redox (ORP), Temperature. Thanks to its internal graphic display it is possible to have all measures displayed at the same time. The Plastic Cover assures an easy accessibility to the hydraulic part. Includes: Measuring instrument, flow detector by temperature, pH sensor, ORP sensor, pH calibration solutions, ORP calibration solutions and DPD2 bottle.

	Code	Pack. Standard	Weight kg Standard	Volume in m <sup>3</sup> Standard
Pool Patrol	54527	1	-	-

**Controller**

The panels in the CONTROLLER range are fully equipped and assembled systems. They are therefore ideal for use in water treatment.

Their simple, compact design makes installation and start-up extremely easy.

They come with all of the components and accessories required for rapid assembly. All assemblies are made of PVC sheets, in various sizes depending on the model.

**General technical features**

- Range of available sizes depending of the probe selected.
- Range available for free chlorine: 0-2, 0-5 0-10, 0-20 and 0-200 ppm.
- pH range: 0-14.
- ORP range: +/-1500 mV.
- Temperature range: 0-50°C.
- Measurement of stable chlorine with low pH dependence.
- Self-calibration of all sizes.
- Alarm signal if water flow is insufficient.
- Instrument with IP65 protection rating.
- 250 V-10 A relays for connecting dosing pumps or salt chlorinators.
- 4-20 mA analogue outlets with repeat signal or manifold for proportional pumps.
- Power supply: 230 V / 50 Hz.
- Setpoints and programmable alarms.
- Pump pause function during calibration and for stopping flow.
- Temperature readings and readjustment (automatic with PT100 probe included).
- Three types of setpoint settings. On/Off, Proportional in Time and Proportional by Pulses.
- RS485 communications port.

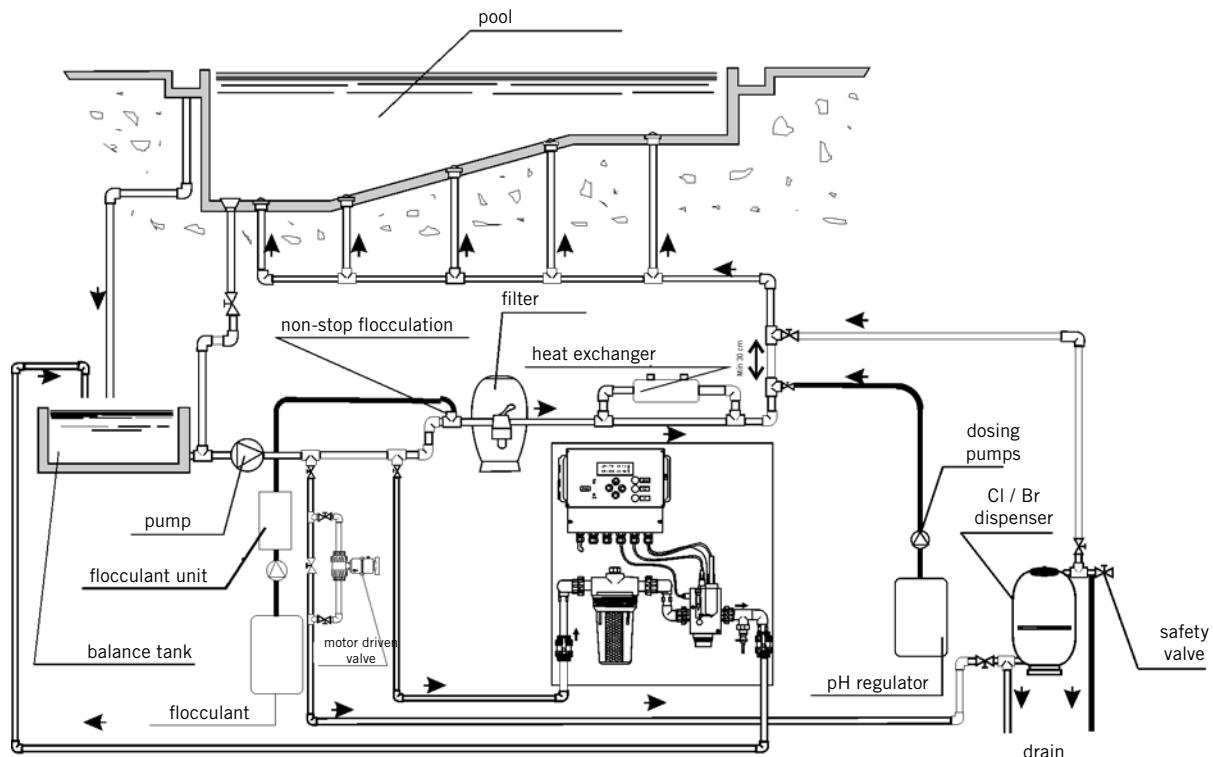
**Components included in the assembly:**

- Methacrylate probe holder, with flow regulator, sample taking valve and flow sensor.
- Filter holder and 80 micron filter cartridge for water inlet.
- DPD calibration standard solutions.
- Assembly accessories, and instruction and installation manual.
- Sensors depending on version.

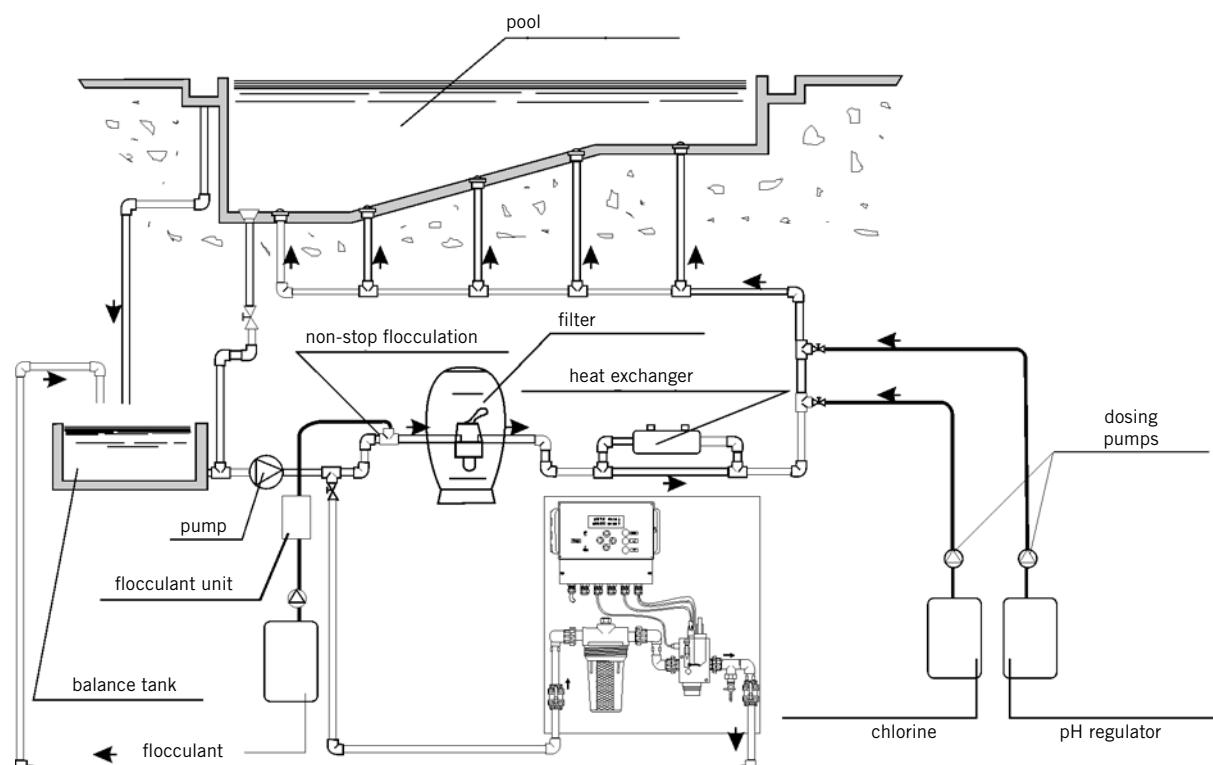
	Code	Pack. Standard	Weight kg Standard	Volume in m <sup>3</sup> Standard
Controller pH / Redox	66178	1	-	-
Controller pH / Free Chlorine	66177	1	-	-
Controller pH / ORP / Free Chlorine	66176	1	-	-
Controller Free Chlorine	66175	1	-	-
pH/Amperometric-free chlorine sensor	66168	1	-	-
pH/ORP/Amperometric free chlorine sensor	66169	1	-	-
Controller pH / ORP / Free Chlorine / Total amperometric chlorine	66170	1	-	-

## AUTOMATIC REGULATION AND CONTROL EQUIPMENT

Installation diagram for organic Chlorine or Bromine



Installation diagram for Inorganic Chlorine







## COMMERCIAL POOLS - CLEANING EQUIPMENT

538 • Automatic pool cleaners for public pools

540 • Pool cleaner accessories



### AUTOMATIC POOL CLEANERS FOR PUBLIC POOLS



**Ultra 125**



Pool cleaner for public pools up to 15 m. Cleans bottom, walls and water line in a 3-hour program. Gyroscope build-in ensures total coverage of the pool floor. It has 23 m of cable and high-quality DC brushless motors (1 pump motor and 1 drive motor). The pump unit provides a flow rate of 19 m<sup>3</sup>/h. Two-year warranty.

	Code	Pack. Standard	Weight kg Standard	Volume in m <sup>3</sup> Standard
--	------	-------------------	-----------------------	--------------------------------------

Ultra 125 suction cleaner

**60165**

**1**



**Cleaning**  
**Bottom, walls and water line**

**Pool size**  
**Up to 15 m length and 100 m<sup>2</sup>**

**Cleaning cycle**  
**3 H**

**Cable**  
**23 m**



**Ultra 250**



Pool cleaner for public pools up to 25 m. Cleans bottom, walls and water line. Gyroscope build-in ensures total coverage of the pool floor. Has three programs: 3 h (floor only), 4 h (floor and wall) and 5 h (floor and wall). Program start can be delayed. Has a cleaning level selector. Includes a remote control, 30 metres of cable and a caddy. Fitted with 3 high-quality DC brushless motors, the pump unit provides a suction rate of 19 m<sup>3</sup>/h. Two-year warranty.

	Code	Pack. Standard	Weight kg Standard	Volume in m <sup>3</sup> Standard
--	------	-------------------	-----------------------	--------------------------------------

Ultra 250 suction cleaner

**60140**

**1**



**Cleaning**  
**Bottom, walls and water line**

**Pool size**  
**Up to 25 m length and 165 m<sup>2</sup>**

**Cleaning cycle**  
**3 h (floor) – 4/5 h (floor + walls)**

**Cable**  
**30 m**



## AUTOMATIC POOL CLEANERS FOR PUBLIC POOLS



## Ultra 500

Pool cleaner Ultra 500 for commercial pools up to 25 m. Cleans the floor. With a gyroscope build in ensures the total coverage of the pool surface. It has three different programs: 3 h (floor only), 4 h (floor and wall), 5 h (floor and wall). Remote control, 30 meters of cable and a caddy. It has 3 high quality DC brushless motors. The pump capacity is 22 m<sup>3</sup>/h. A LED indicator that shows when the filter has to be cleaned. It has 24 months of warranty.

	Code	Pack. Standard	Weight kg Standard	Volume in m <sup>3</sup> Standard
--	------	-------------------	-----------------------	--------------------------------------

Ultra 500 suction cleaner

66015

1



**Cleaning**  
**Floor and walls but not water line**

**Pool size**  
**Up to 25 m length and 165 m<sup>2</sup>**

**Cleaning cycle**  
**3 H (bottom) / 4 / 5 H (bottom + walls)**

**Cable**  
**30 m**



## Ultramax Junior

Pool cleaner specially designed for public pools up to 50 m. The unit is manufactured in resistant materials for the most demanding applications. Gyroscope build-in ensures total coverage of the pool floor. It includes a programmable power pack with different cleaning programs, a remote control, 36 m of cable and a stainless steel caddy. Fitted with 4 high-quality brushless DC motors, the pump's 2 motors give it a suction rate of 40m<sup>3</sup>/h and the possibility of setting program length (3 to 6 hours) and delaying start time.

	Code	Pack. Standard	Weight kg Standard	Volume in m <sup>3</sup> Standard
--	------	-------------------	-----------------------	--------------------------------------

Ultramax Junior automatic cleaner

70198

1



**Cleaning**  
**Only bottom**

**Pool size**  
**Up to 50 m length**

**Cleaning cycle**  
**3 to 6 H**

**Cable**  
**36 m**

## AUTOMATIC POOL CLEANERS FOR PUBLIC POOLS



## Ultramax Gyro



Pool cleaner specially designed for public pools up to 50 m. The unit is manufactured in resistant materials for the most demanding applications. Gyroscope build-in ensures total coverage of the pool floor. It includes a programmable power pack with different cleaning programs, a remote control, 36 m of cable and a stainless steel caddy. Fitted with 4 high-quality brushless DC motors, the pump's 2 motors give it a suction rate of 40m<sup>3</sup>/h and the possibility of setting program length (3 to 6 hours) and delaying start time.

	Code	Pack. Standard	Weight kg Standard	Volume in m <sup>3</sup> Standard
--	------	-------------------	-----------------------	--------------------------------------

Ultramax Gyro suction cleaner with 36 m cable  
Ultramax Gyro suction cleaner with 45 m cable

60164

1

62268

1

-

-

-

-



**Cleaning**  
**Only bottom**



**Pool size**  
**Up to 50 m length**



**Cleaning cycle**  
**3 to 9 H**



**Cable**  
**36 m / 45 m**

## POOL CLEANER ACCESSORIES



## Pump caddy for stand-alone pool cleaners

Made of anodised aluminium tube and a 460 mm x 370 mm plastic platform. Face plate in AISI-304 stainless steel.

	Code	Pack. Standard	Weight kg Standard	Volume in m <sup>3</sup> Standard
--	------	-------------------	-----------------------	--------------------------------------

04648

1

8.06

0.12



## COMMERCIAL POOLS - SPAS AND SAUNAS

- 542 • Professional range
- 542 • Colour chart for spas
- 542 • Optional equipment
- 543 • In-ground overflow commercial spas
- 550 • Stainless steel public spas with overflow channel
- 552 • Stainless steel public spas
- 553 • Compact filtration for spas
- 554 • Complements for spas
- 556 • Liner accessories
- 560 • Pool Jet accessories
- 561 • Accessories for minispas
- 562 • Electrical accessories for spas / mini spas
- 563 • Air blowers

SPAS  
SAUNAS

## PROFESSIONAL RANGE



### COMMERCIAL SPAS WITH OVERFLOW CHANNEL AND COMPACT UNITS

Spas designed for commercial spaces, gyms, wellness centres, hotels... A wide range of options and finishes that cover all needs.

Spas with both an acrylic and mosaic tile finish.

## COLOUR CHART FOR SPAS



N° 44 WHITE



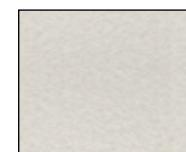
N° 46 BLUE MARBLE



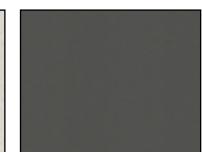
N° 59 STERLING



N° 64 PEARL SHADOW



N° 72 PEARL CAMEO



N° 27 SILVER



N° 18 SAND

## OPTIONAL EQUIPMENT

### Chromotherapy LED spotlight, for public spas only

The Mini LED spotlight is the best option for lighting public spas. Thanks to the high intensity LEDs, lighting is similar to that attained with conventional lamps.

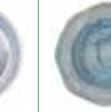
The range of LumiPlus Mini 2.0 projectors has a multitude of possible colour combinations and sequences with higher light intensity and better energy efficiency, which result in an 80% saving on electricity consumption compared with conventional projectors, as well as 100,000 hours of useful life time without the need for maintenance.

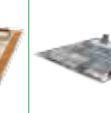


Chromotherapy LED spotlight option

**IN-GROUND OVERFLOW COMMERCIAL SPAS**

Comparison of models with an overflow channel

								
MODELS	Roma	Verona	Wellmax	Tokyo 70	Olympia	Odisea 20	Casiopea	Formentera
	<b>40769</b>	<b>70550</b>	<b>43638</b>	<b>53990</b>	<b>26440</b>	<b>45709</b>	<b>04007</b>	<b>16413</b>
Size cm (± 2 cm)	Ø 300	228 x 228	460 x 281	340 x 240	379 x 249	Ø 230	225 x 225	218 x 199
Positions (Seats / Loungers)	9 (9 / -)	5 (3 / 2)	7 (5 / 2)	7 (6 / 1)	11 (11 / -)	5 (5 / -)	4 (4 / -)	4 (4 / -)
Water capacity (litres)	2,290 l	1,200 l	2,940 l	2,200 l	2,490 l	1,120 l	782 l	959 l
Spa weight Empty	310 Kg	147 Kg	508 kg	373 kg	373 kg	163 kg	143 kg	250 kg
Spa weight Full	2,600 Kg	1,347 Kg	3,448 kg	2,573 kg	2,863 kg	1,283 kg	925 kg	1,209 kg
Acrylic	•	•	•	•	•	•	•	•
Colours	44 / 46 / 59	All	44 / 46 / 59	44 / 46 / 59	44 / 46 / 59	All	All	All
No of jets	18	24	53	58	16	8	4	12
No of air nozzles	18	12	10	21	20	10	7	28
Headrests	-	-	2	2	-	-	-	4
Piezoelectric press buttons	2	2	4	3	2	2	2	2
High resistance metallic structure	•	•	•	•	•	•	•	•
Projector	•	•	•	•	•	•	•	•
Chromotherapy	Op. 1 LED	Op. 1 LED	2 LEDs	4 LEDs	Op. 1 LED	Op. 1 LED	Op. 1 LED	Op. 1 LED
Isothermal cover	Op.	Op.	Op.	Op.	Op.	Op.	Op.	Op.
Recommended compact kit	Kit 75 2M	Kit 50 or 75	Kit 75 3M	Kit 75 3M	Kit 75 2M	Kit 50 or 75	Kit 50 or 75	Kit 75 2M

					
MODELS	Mirage 40	Lake	Vulcano	Mercurio	Minerva
	<b>44630</b>	<b>56537</b>	<b>71469</b>	<b>71470</b>	<b>71471</b>
Size cm (± 2 cm)	Ø 250	379 x 249	Ø 230	268 x 230	228 x 223
Positions (Seats / Loungers)	6 (6 / -)	11 (11 / -)	6 (6 / -)	4 (2 / 2)	4 (2 / 2)
Water capacity (litres)	1,410 l	2,490 l	1,300 l	2,000 l	1,200 l
Spa weight Empty	353 kg	373 kg	350 kg	500 kg	650 kg
Spa weight Full	1,763 kg	2,863 kg	1,650 kg	2,000 kg	1,200 kg
Mosaic	•	•	-	-	-
Colours	All	All	Stainless steel		
No of jets	26	16	12	12	29
No of air nozzles	12	20	Equiv. to 15 nozzles	Equiv. to 32 nozzles	Equiv. to 2 nozzles
Headrests	-	-	-	Yes	Yes
Piezoelectric press buttons	2	2	Yes	Yes	Yes
High resistance metallic structure	•	•	Yes	Yes	Yes
Projector	•	•	Yes	Yes	Yes
Chromotherapy	Op. 1 LED	Op. 1 LED	as standard	as standard	as standard
Isothermal cover	Op.	Op.	Op.	Op.	Op.
Recommended compact kit	Kit 75 2M	Kit 75 2M	Kit 75	Kit 75	Kit 75

We reserve the right to change, wholly or partially, the features of our products and the contents of this document, without prior notice

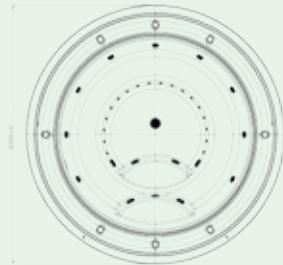
## IN-GROUND OVERFLOW COMMERCIAL SPAS

Roma - Code 40769

New



COLOUR: BLUE MARBLE (46)



## TECHNICAL SHEET

Size in cm ( $\pm 2\text{cm}$ )	$\varnothing 300 \text{ cm}$
Positions (Seats / Loungers)	9 (9 / -)
Jets + blower nozzles	18 + 18
Recommended compact kit	Kit 75 2M

## Description Code

ROMA + Light	<b>40769SE001</b>
ROMA + Light + Cover	<b>40769SE006</b>

Spa cover and balance tank sold separately.  
See section "Spa accessories".

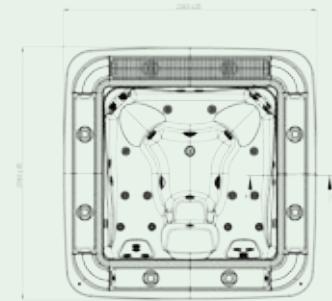
Fully fitted with overflow channel, main drain, filtering, hydromassage and blower nozzles, hydromassage buttons and overflow grating. Balance tank not included.

Verona - Code 70550

New



WHITE COLOUR (44)



## TECHNICAL SHEET

Size in cm ( $\pm 2\text{cm}$ )	228 x 228 cm
Positions (Seats / Loungers)	5 (3 / 2)
Jets + blower nozzles	24 + 12
Recommended compact kit	Kit 50 or 75

## Description Code

VERONA + Light	<b>70550SE001</b>
VERONA + Light + Cover	<b>70550SE006</b>

Spa cover and balance tank sold separately.  
See section "Spa accessories".

Fully fitted with overflow channel, main drain, filtering, hydromassage and blower nozzles, hydromassage buttons and overflow grating. Balance tank not included.

## IN-GROUND OVERFLOW COMMERCIAL SPAS

Wellmax - Code 43638



WHITE COLOUR (44)

## TECHNICAL SHEET

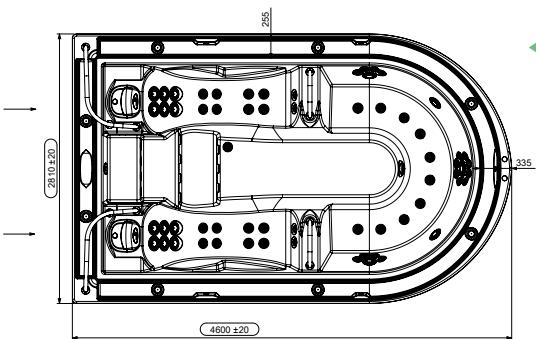
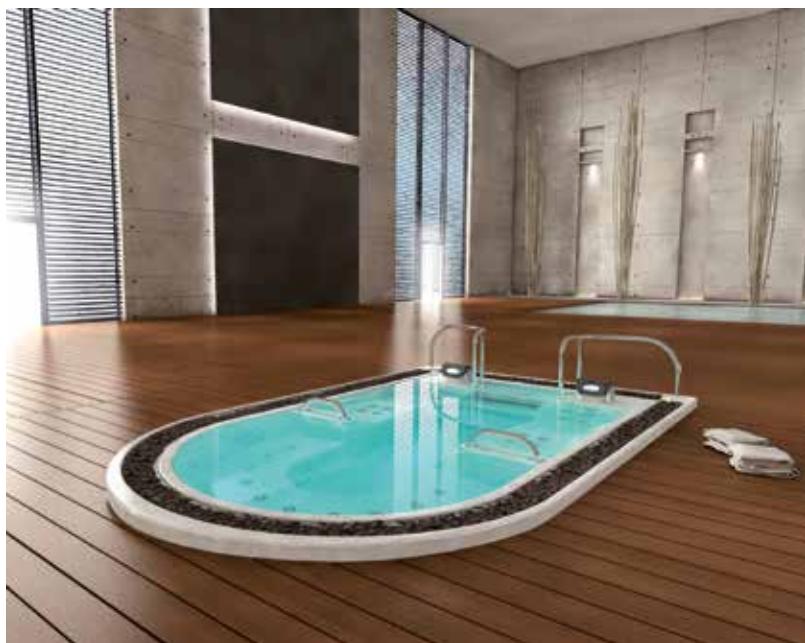
Size in cm ( $\pm 2\text{cm}$ )	460 x 281 cm
Positions (Seats / Loungers)	7 (5 / 2)
Jets + nozzles	53 + 10
Recommended compact kit	Kit 75 3M - Code 43639

Available colours: White / Blue Marble.

Description	Code
WELLMAX Jet Inox + high density colour LED + Stainless steel handrails	<b>43638SP315</b>
WELLMAX Jet Inox + high density colour LED + Stainless steel handrails + Cover	<b>43638SP316</b>

Spa cover and balance tank sold separately.  
See section "Spa accessories".

Fully fitted with overflow channel, main drain, filtering, hydromassage and blower nozzles, hydromassage buttons and overflow grating. Balance tank not included.

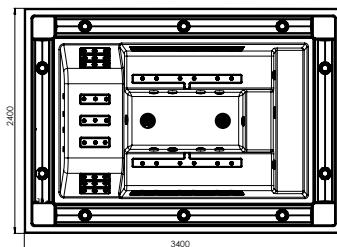


## IN-GROUND OVERFLOW COMMERCIAL SPAS

Tokyo 70 - Code 53990



WHITE COLOUR (44)



## TECHNICAL SHEET

Dimensions in cm ( $\pm$ 2cm)	340 x 240 cm
Positions (Seats / Loungers)	7 (6 / 1)
Jets + nozzles	58 + 21
Recommended compact kit	Kit 75 3M - Code 43639

Available colours: White / Blue Marble.

Description	Code
TOKYO 70 + Light	53990SE315
TOKYO 70 + Light + Cover	53990SE316
TOKYO 70 Plus + Light + Cascade	53993SE315
TOKYO 70 Plus + Light + Cascade + Cover	53993SE316

Spa cover and balance tank sold separately. See section "Spa accessories".

Fully fitted with overflow channel, main drain, filtering, hydromassage and blower nozzles, hydromassage buttons and overflow grating. Balance tank not included.

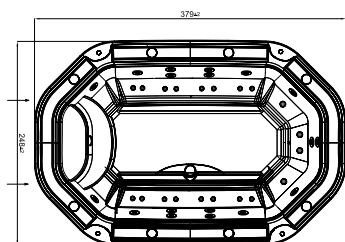


## IN-GROUND OVERFLOW COMMERCIAL SPAS

Olympia - Code 26440



BLUE MARBLE COLOUR (46)



## TECHNICAL SHEET

Size in cm ( $\pm 2\text{cm}$ )	379 x 249 cm
Positions (Seats / Loungers)	11 (11 / -)
Jets + nozzles	16 + 20
Recommended compact kit	Kit 75 2M - Code 16412

This Spa is only available in colours 44 and 46.

## Description Code

OLYMPIA + Light	<b>26440SE001</b>
OLYMPIA + Light + Cover	<b>26440SE006</b>

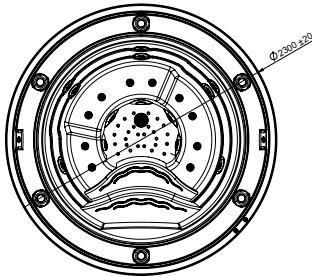
Spa cover and balance tank sold separately.  
See section "Spa accessories".

Fully fitted with overflow channel, main drain, filtering, hydromassage and blower nozzles, hydromassage buttons and overflow grating. Balance tank not included.

Odisea 20 - Code 45709



White COLOUR (44)



## TECHNICAL SHEET

Size in cm ( $\pm 2\text{cm}$ )	Ø 230 cm
Positions (Seats / Loungers)	5 (5 / -)
Jets + nozzles	8 + 10
Recommended compact kit	Kit 50 - Code 04015 / Kit 75 - Code 05135

## Description Code

ODISEA 20 + Light	<b>45709SP001</b>
ODISEA 20 + Light + Cover	<b>45709SP006</b>

Spa cover and balance tank sold separately.  
See section "Spa accessories".

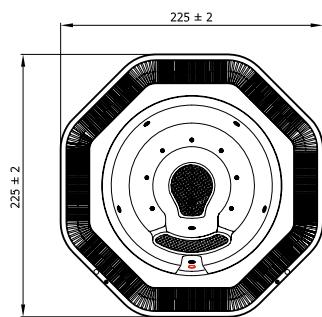
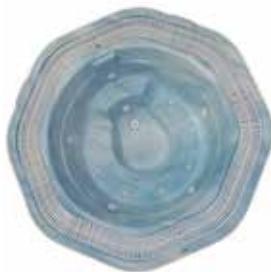
Fully fitted with overflow channel, main drain, filtering, hydromassage and blower nozzles, hydromassage buttons and overflow grating. Balance tank not included.

## IN-GROUND OVERFLOW COMMERCIAL SPAS

Casiopea - Code 04007



BLUE MARBLE COLOUR (46)



## TECHNICAL SHEET

Dimensions in cm ( $\pm 2\text{cm}$ )	225 x 225 cm
Positions (Seats / Loungers)	4 (4 / -)
Jets + nozzles	4 + 7
Recommended compact kit	Kit 50 - Code 04015 / Kit 75 - Code 05135

## Description Code

CASIOPEA + Light	04007SE001
CASIOPEA + Light + Cover	04007SE006

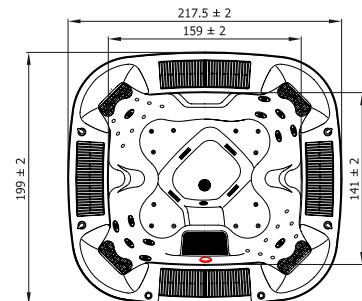
Spa cover and balance tank sold separately.  
See section "Spa accessories".

Fully fitted with overflow channel, main drain, filtering, hydromassage and blower nozzles, hydromassage buttons and overflow grating. Balance tank not included.

Formentera - Code 16413



PEARL SHADOW COLOUR (64)



## TECHNICAL SHEET

Size in cm ( $\pm 2\text{cm}$ )	218 x 199 cm
Positions (Seats / Loungers)	4 (4 / -)
Jets + nozzles	12 + 28
Recommended compact kit	Kit 75 2M - Code 16412

## Description Code

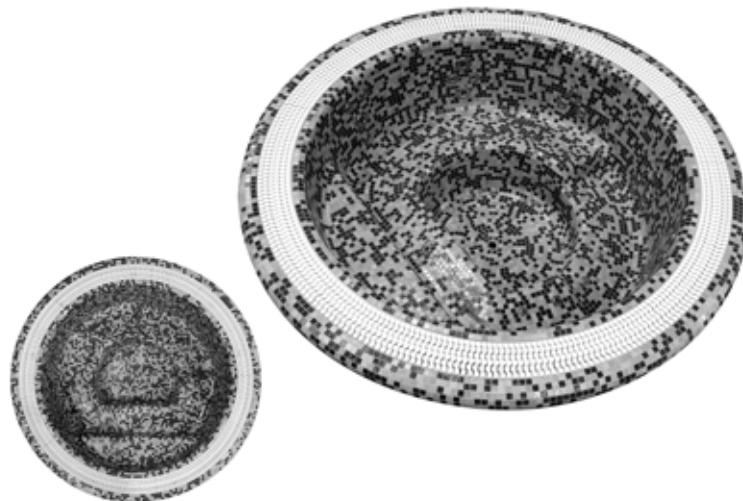
FORMENTERA + Light	16413SE001
FORMENTERA + Light + Cover	16413SE006

Spa cover and balance tank sold separately.  
See section "Spa accessories".

Fully fitted with overflow channel, main drain, filtering, hydromassage and blower nozzles, hydromassage buttons and overflow grating. Balance tank not included.

## IN-GROUND OVERFLOW COMMERCIAL SPAS

Mirage 40 - Code 44630



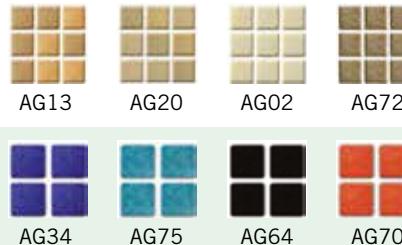
Description	Code
MIRAGE 40 + Stainless steel jets + Colour LEDs + press buttons	<b>44630SP315</b>
MIRAGE 40 + Stainless steel jets + Colour LEDs + press buttons + Cover	<b>44630SP316</b>

Spa cover and balance tank sold separately.  
See section "Spa accessories".

## TECHNICAL SHEET

Size in cm ( $\pm 2\text{cm}$ )	$\varnothing 250 \text{ cm}$
Positions (Seats / Loungers)	6 (6 / -)
Jets + nozzles	26 + 12
Recommended compact kit	Kit 75 2M - Code 16412

Available colours:



New

Fully fitted with overflow channel, main drain, filtering, hydromassage and blower nozzles, hydromassage buttons and overflow grating. Balance tank not included.

Lake 40 - Code 56537



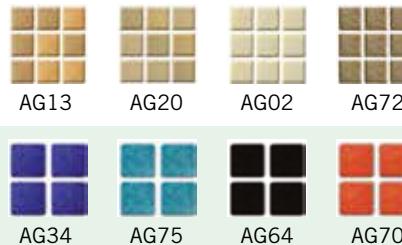
Description	Code
LAKE 40 + Stainless steel jets + Colour LEDs + press buttons	<b>56537SE315</b>
LAKE 40 + Stainless steel jets + Colour LEDs + press buttons + Cover	<b>56537SE316</b>

Spa cover and balance tank sold separately.  
See section "Spa accessories".

## TECHNICAL SHEET

Size in cm ( $\pm 2\text{cm}$ )	$379 \times 249 \text{ cm}$
Positions (Seats / Loungers)	11 (11 / -)
Jets + nozzles	16 + 20
Recommended compact kit	Kit 75 2M - Code 16412

Available colours:



New

Fully fitted with overflow channel, main drain, filtering, hydromassage and blower nozzles, hydromassage buttons and overflow grating. Balance tank not included.

## STAINLESS STEEL PUBLIC SPAS WITH OVERFLOW CHANNEL

Vulcano - Code 71469

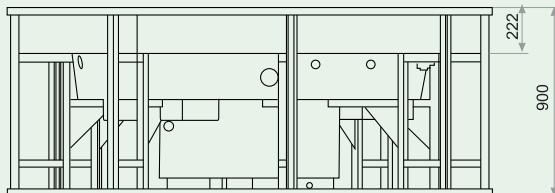
New



## TECHNICAL SHEET

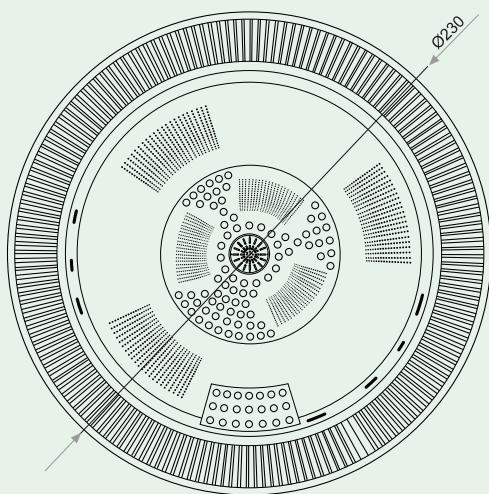
Dimensions in cm ( $\pm 1\text{cm}$ )	$\varnothing 230 \times 90$
Positions (Seats / Loungers)	6 (6 / -)
Jets + nozzles	12 + 15
Recommended compact kit	Kit 75 - Code 05135

Description	Code
VULCANO circular stainless steel SPA + Spotlight	<b>71469</b>



Spa cover and balance tank sold separately.  
See section "Spa accessories".

Equipped with overflow channel, main drain, hydromassage push buttons, and filtration, hydromassage and blower nozzles. Buffer tank not included.



## STAINLESS STEEL PUBLIC SPAS WITH OVERFLOW CHANNEL

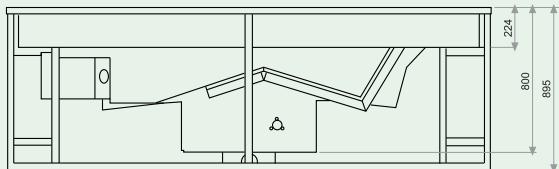
Mercurio - Code 71470

 New

## TECHNICAL SHEET

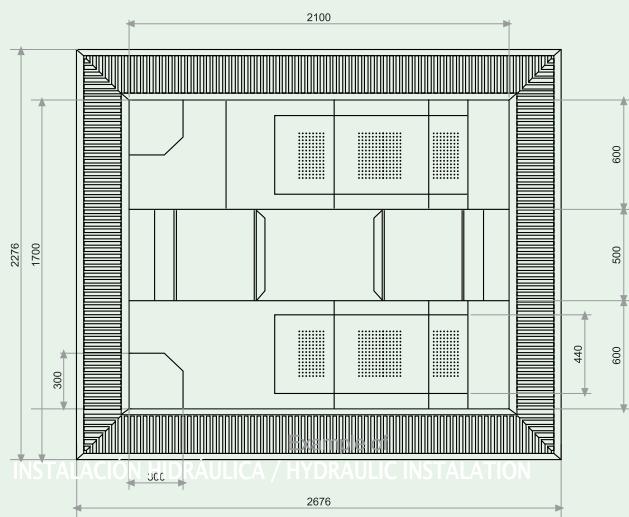
Dimensions in cm ( $\pm 1\text{cm}$ )	268 x 230 x 90
Positions (Seats / Loungers)	4 (2 / 2)
Jets + nozzles	12 + 29
Recommended compact kit	Kit 75 - Code 05135

Description	Code
MERCURIO Rectangular Stainless steel SPA + Spotlight	<b>71470</b>



Spa cover and balance tank sold separately.  
See section "Spa accessories".

Equipped with overflow channel, main drain, hydromassage push buttons, and filtration, hydromassage and blower nozzles. Buffer tank not included.



## STAINLESS STEEL PUBLIC SPAS

Minerva - Code 71472



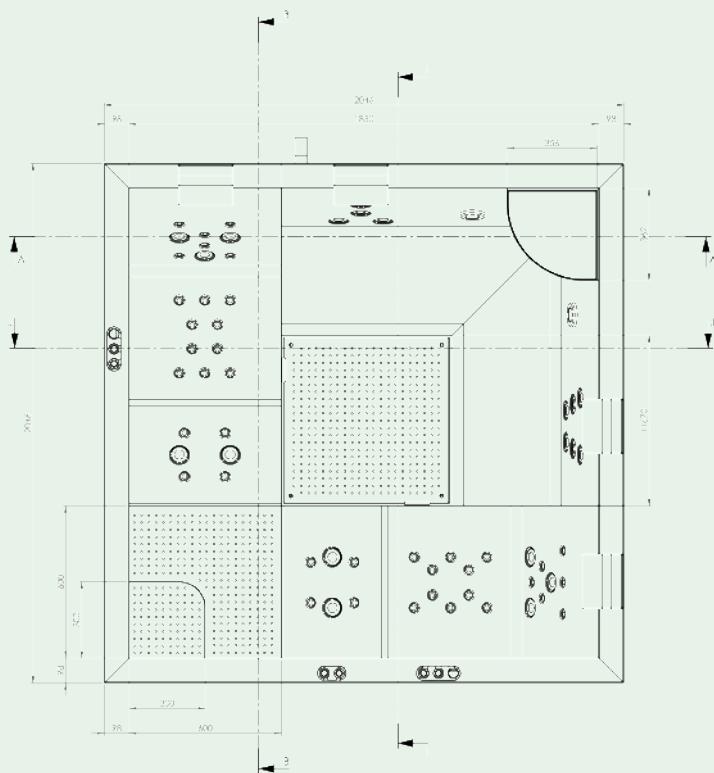
TECHNICAL SHEET

Dimensions in cm ( $\pm$ 1cm)	205 x 205 x 90,5
Positions (Seats / Loungers)	4 (2 / 2)
Jets + nozzles	2 + 29
Recommended compact kit	Kit 75 - Code 05135

Description	Code
MINERVA Design Stainless steel SPA + Spotlight	<b>71472</b>

**Spa cover and balance tank sold separately.  
See section "Spa accessories".**

**Equipped with overflow channel, main drain, hydromassage push buttons, and filtration, hydromassage and blower nozzles. Buffer tank not included.**



## COMPACT FILTRATION FOR SPAS

Compact kits for public use



16412



04015

Preassembled for filtering, heating and massage.

All kits are fitted with the electronic control cabinet operated using piezoelectric switches.

	04015CE000	04015CE001	04015CE004	05135CE000	05135CE001	05135CE004	16412CE000	16412CE001	16412CE004	43639CE001	43639CE004
<b>Spa Model</b>	Casiopea, Odisea 20, Venecia			Casiopea, Odisea 20, Venecia			Formentera, Coliseum, Olympia, Mirage 40			Wellmax, Tokyo 70	
<b>Compact weight (with assembly)</b>	114 kg			94 kg			116 kg			134 kg	
<b>Filter weight (with assembly)</b>	Included			85 kg			85 kg			85 kg	
<b>Assembly volume compact kit</b>	1.39 m <sup>3</sup>			1.39 m <sup>3</sup>			1.39 m <sup>3</sup>			1.39 m <sup>3</sup>	
<b>Volume with filter</b>	-			0.83 m <sup>3</sup>			0.83 m <sup>3</sup>			0.83 m <sup>3</sup>	
<b>Filter Ø</b>	Ø 500 mm			Ø 650 mm			Ø 650 mm			Ø 650 mm	
<b>Filter pump</b>	0.60 kW			0.82 kW			0.82 kW			0.82 kW	
<b>Filter pump flow rate</b>	10000 l/h			11000 l/h			11000 l/h			11000 l/h	
<b>Massage pump</b>	1.40 kW			1.40 kW			2 x 1.81 kW			2 x 1.81 kW + 1 x 2.70 kW	
<b>Blower pump</b>	1.3 kW			1.3 kW			1.3 kW			1.3 kW	
<b>Electric heater</b>	6 kW		-	6 kW		-	6 kW		-	6 kW	
<b>Voltage</b>	400 AC III + N			400 AC III + N			400 AC III + N			400 AC III + N	
<b>Power requirements</b>	9362 W (18.1 A)		3350 W (5.6 A)	9582 W (19.2 A)		3570W (6 A)	11802 W (23 A)		5790 W (9.7 A)	14485 W (27.5 A)	
<b>Kit size without assembly (PrxAnxAI)</b>	1160 x 1000 x 1200 mm			1160 x 1000 x 1200 mm			1160 x 1000 x 1200 mm			1160 x 1000 x 1200 mm	
<b>Ozone</b>		•			•			•		•	
<b>Water-water exchanger 20 kW</b>			•			•			•		•

## COMPLEMENTS FOR SPAS



Covers for spas



Canvas cover for the Wellmax Spa

	Code	Pack. Standard	Weight kg Standard	Volume in m <sup>3</sup> Standard
Cover Spa ODISEA 20 / Infinity	<b>45721</b>	1	20	0.25
Cover Spa CASIOPEA	<b>23195</b>	1	15	0.25
Cover Spa FORMENTERA	<b>28297</b>	1	17	0.58
Cover Spa VENECIA	<b>23198</b>	1	16	0.32
Cover Spa COLISEUM	<b>28298</b>	1	18	0.86
Cover Spa OLYMPIA	<b>43817</b>	1	15	0.44
Cover Spa MIRAGE	<b>41892</b>	1	15	0.44
Cover Spa WELLMAX	<b>43729</b>	1	15	0.35
Cover Spa TOKYO	<b>54184</b>	1	-	-
Cover Spa VERONA	<b>71994</b> <span style="color: blue;">New</span>	1	18	0,86
Cover Spa ROMA	<b>62402</b>	1	18	0,86



Cover Stand

Metal Stand for simple handling of the cover.

Code	Pack. Standard	Weight kg Standard	Volume in m <sup>3</sup> Standard
<b>28462</b>	1	10	0.118

Spa access steps

	Code	Pack. Standard	Weight kg Standard	Volume in m <sup>3</sup> Standard
Synthetic wood staircase in Graphite	<b>42002CL0K</b>	1	15	0.09
Basic staircase coastal grey colour	<b>60194</b>	1	5	0.07
Swimspa staircase	<b>56918CL01</b>	1	35	0.59
Synthetic wood staircase in Thunder	<b>42002CL0R</b>	1	15	0.09
Synthetic wood staircase in Creek	<b>42002CL0T</b>	1	15	0.09

**42002CL0K****60194****56918CL01****42002CL0R****42002CL0T**

## COMPLEMENTS FOR SPAS



**Spa parasol in Cameo with LED**

Spa parasol in Cameo with LED

	Code	Pack. Standard	Weight kg Standard	Volume in m <sup>3</sup> Standard
Spa parasol in Cameo with LED	<b>60220</b>	2	15	2



**Portable spa handrail holder**

Portable spa handrail holder

	Code	Pack. Standard	Weight kg Standard	Volume in m <sup>3</sup> Standard
Portable spa handrail holder	<b>60226</b>	2	8	0.95



**Spa filter cartridge cleaner**

Spa filter cartridge cleaner

	Code	Pack. Standard	Weight kg Standard	Volume in m <sup>3</sup> Standard
Spa filter cartridge cleaner	<b>60197</b>	1	2	0.04



**Polyester balance tank**

Used for collecting water volume displaced in overflow channel of commercial spas

1000 litres capacity (162 x 122 x 83 cm)  
2000 litres capacity (204 x 160 x 75 cm)

	Code	Pack. Standard	Weight kg Standard	Volume in m <sup>3</sup> Standard
1000 litres capacity (162 x 122 x 83 cm)	<b>11372</b>	1	10.0	1.75
2000 litres capacity (204 x 160 x 75 cm)	<b>27865</b>	1	15.0	3.81



**PE balance tank**

1000 litres capacity. Used for collecting water volume displaced in overflow channel of commercial spas.

158 x 92 x 95 cm

	Code	Pack. Standard	Weight kg Standard	Volume in m <sup>3</sup> Standard
158 x 92 x 95 cm	<b>17144</b>	1	10.0	1.75

Different compensation vessel capacities depending on model:

Code	Balance tank	Spa model
<b>11372</b>	1000 litre polyester tank	Casiopea, Formentera, Venecia, Coliseum, Odisea 20, Mirage 40
<b>17144</b>	1000 litre polyethylene tank	Olympia, Wellmax, Casiopea, Formentera, Venecia, Coliseum, Odisea 20, Mirage 40
<b>27865</b>	2000 litre polyester tank	Olympia, Wellmax, Casiopea, Formentera, Venecia, Coliseum, Odisea 20, Mirage 40

## LINER ACCESSORIES



## 2 1/2" adjustable jet

Regulates proportion of air/water outlet. 50 mm diameter water inlet and 32 mm air inlet. Flow: 4 m<sup>3</sup>/hour. Pressure 0.8 a.t.m.

Code	Pack. Standard	Weight kg Standard	Volume in m <sup>3</sup> Standard
<b>32641</b>	12	7.625	0.028



## 2" threaded jet

Water inlet diameter of 50 mm and air inlet diameter of 32 mm. Flow rate of 4 m<sup>3</sup>/hour. Atm pressure of 0.8.

Code	Pack. Standard	Weight kg Standard	Volume in m <sup>3</sup> Standard
<b>33586</b>	12	7.625	0.028



## 2" jet thread for liner

New

Water inlet diameter of 50 mm and air inlet diameter of 32 mm. Flow rate of 4 m<sup>3</sup>/hour Atm pressure of 0.8.

Code	Pack. Standard	Weight kg Standard	Volume in m <sup>3</sup> Standard
<b>70532</b>	12	7.625	0.028



## 2" main drain

With elbow for gluing to Ø 50 mm pipe.

Code	Pack. Standard	Weight kg Standard	Volume in m <sup>3</sup> Standard
<b>04042</b>	15	4.8	0.028



## Adjustable air inlet

1"for air regulation to Venturi system for jet function.

Code	Pack. Standard	Weight kg Standard	Volume in m <sup>3</sup> Standard
<b>04045</b>	25	6.0	0.028



## Adjustable silent air inlet

Silent venturi for jet air flow control. Air intake is through embedded part. Attaches to air distributor code 33937.

Code	Pack. Standard	Weight kg Standard	Volume in m <sup>3</sup> Standard
<b>33938</b>	25	8.5	0.028

## LINER ACCESSORIES



## 5 outlet air distributor for venturi

5 outlet air distributor for gluing to venturi with code 33938. Outlets for clamping a flexible hosepipe of 10 mm inner diameter.

Code	Pack. Standard	Weight kg Standard	Volume in m <sup>3</sup> Standard
<b>33937</b>	25	8.5	0.028



## 6 outlet air distributor for venturi

6 outlet air distributor to attach to pipes with a 10 mm inner diameter and glue to 15 mm pipes.

Code	Pack. Standard	Weight kg Standard	Volume in m <sup>3</sup> Standard
<b>33936</b>	25	8.5	0.028



## 10 outlet air distributor

10 outlet air distributor to attach to pipes with a 10 mm inner diameter and glue to 50 mm pipes.

Code	Pack. Standard	Weight kg Standard	Volume in m <sup>3</sup> Standard
<b>35346</b>	25	8.5	0.028



## 4 water outlet manifold

Manifold for gluing to 50 mm pipe, 4 outlets for clamping a hosepipe of 20 mm inner diameter.

Code	Pack. Standard	Weight kg Standard	Volume in m <sup>3</sup> Standard
<b>33934</b>	25	8.5	0.028



## 8 water outlet manifold

Manifold for gluing to 50 mm pipe, 8 outlets for clamping a hosepipe of 20 mm inner diameter.

Code	Pack. Standard	Weight kg Standard	Volume in m <sup>3</sup> Standard
<b>33935</b>	25	8.5	0.028



## Threaded blower nozzle

For air distribution into the SPA from the blowers. Flow rate 5.4 to 7.5 m<sup>3</sup>/h.

	Code	Pack. Standard	Weight kg Standard	Volume in m <sup>3</sup> Standard
White plastic front panel	<b>27602</b>	80	1.6	0.03
Stainless steel front panel	<b>43440</b>	80	1.6	0.03

## LINER ACCESSORIES



### Blower nozzle for gluing

For air distribution into the SPA from the blowers. Flow rate 5.4 to 7.5 m<sup>3</sup>/h.

	Code	Pack. Standard	Weight kg Standard	Volume in m <sup>3</sup> Standard
White plastic front panel	<b>28460</b>	80	1.6	0.03
Stainless steel front panel	<b>43441</b>	80	1.6	0.03



### Blower nozzle lateral outlet 3/8"

For air distribution into the SPA from the blowers. Flow rate 5.4 to 7.5 m<sup>3</sup>/h.

	Code	Pack. Standard	Weight kg Standard	Volume in m <sup>3</sup> Standard
White plastic front panel	<b>34318</b>	80	1.6	0.03
Stainless steel front panel	<b>43442</b>	80	1.6	0.03



### 2" return unit

For return line and massage.

	Code	Pack. Standard	Weight kg Standard	Volume in m <sup>3</sup> Standard
	<b>04034</b>	25	5.0	0.028



### Adjustable air impulsion inlet

For air distribution by means of the blowers. Maximum flow rate 18 m<sup>3</sup>/h.

	Code	Pack. Standard	Weight kg Standard	Volume in m <sup>3</sup> Standard
	<b>49818</b>	12	4.24	0.021



### Pneumatic push button

For starting and stopping massage and hydromassage functions.

	Code	Pack. Standard	Weight kg Standard	Volume in m <sup>3</sup> Standard
For max. 15 m	<b>04047</b>	20	0.5	0.028
For max. 7 m simple	<b>04048</b>	40	1.6	0.028
For max. 7 m simple, with thread	<b>09667</b>	20	0.5	0.028

### Plastic tube

For pneumatic signal from press button to switch. Inner Ø 3.5 mm.

	Code	Pack. Standard	Weight kg Standard	Volume in m <sup>3</sup> Standard
	<b>04054</b>	50	3.33	0.006

**LINER ACCESSORIES****Rotating jet**Flow rate 2 to 2.5 m<sup>3</sup>/h.

Code	Pack. Standard	Weight kg Standard	Volume in m <sup>3</sup> Standard
<b>20297</b>	25	3.33	0.028

**Twin rotating jet**Flow rate 2 to 2.5 m<sup>3</sup>/h.

Code	Pack. Standard	Weight kg Standard	Volume in m <sup>3</sup> Standard
<b>20296</b>	25	3.83	0.028

**Rotating jet housing**

Code	Pack. Standard	Weight kg Standard	Volume in m <sup>3</sup> Standard
<b>20299</b>	15	3.33	0.028

**Jet housing for linear pool**

Code	Pack. Standard	Weight kg Standard	Volume in m <sup>3</sup> Standard
<b>63144</b>	12	3.33	0.028

**Moveable tube jet nozzle to install in substitution of a fixed one**Compatible with codes 20295 and 20299. Flow rate 2 to 2.5 m<sup>3</sup>/h.

Code	Pack. Standard	Weight kg Standard	Volume in m <sup>3</sup> Standard
<b>20298</b>	1	0.8	0.001

**2 1/2" wall conduit for rotating jet**Made up of: The jet body, 20 cm wall conduit, niche, threaded fitting, front body. Jet not included.  
Flow rate 5 m<sup>3</sup>/h at 1 bar.

Code	Pack. Standard	Weight kg Standard	Volume in m <sup>3</sup> Standard
<b>20295</b>	4	4	0.018

**Stainless steel accessories  
should not be used in  
pools with salt  
electrolysis systems**

## POOL JET ACCESSORIES

Pool Jet accessories are designed for pools that have a hydromassage section .



### Pool Jet 1 Directional Jet

Flow rate 2.4 to 3.6 m<sup>3</sup>/h. Accessories compatible with 2½" handrail for Pool Jet.

	Code	Pack. Standard	Weight kg Standard	Volume in m <sup>3</sup> Standard
Stainless steel finish*	<b>63148</b>	25	3.83	0.028
White finish	<b>63149</b>	25	3.83	0.028



### Pool Jet 1 Rotating Jet

Flow rate 2.4 to 3.6 m<sup>3</sup>/h. Accessories compatible with 2½" handrail for Pool Jet.

	Code	Pack. Standard	Weight kg Standard	Volume in m <sup>3</sup> Standard
Stainless steel finish*	<b>63150</b>	25	3.83	0.028
White finish	<b>63151</b>	25	3.83	0.028



### Pool Jet 2 Rotating Jets

Flow rate 2.4 to 3.6 m<sup>3</sup>/h. Accessories compatible with 2½" handrail for Pool Jet.

	Code	Pack. Standard	Weight kg Standard	Volume in m <sup>3</sup> Standard
Stainless steel finish*	<b>63152</b>	25	3.83	0.028
White finish	<b>63153</b>	25	3.83	0.028



### Pool Jet Rotating Beehive

Flow rate 2.4 to 3.6 m<sup>3</sup>/h. Accessories compatible with 2½" handrail for Pool Jet.

	Code	Pack. Standard	Weight kg Standard	Volume in m <sup>3</sup> Standard
Stainless steel finish*	<b>63154</b>	25	3.83	0.028
White finish	<b>63155</b>	25	3.83	0.028



### 2½" handrail for Pool Jet

With elbow for gluing Ø 50 mm pipe.

	Code	Pack. Standard	Weight kg Standard	Volume in m <sup>3</sup> Standard
Chrome-plated bronze front panel	<b>63146</b>	4	4	0.018

Chrome accessories suitable only for baths that use no chemical treatment. Not suitable for pools.



## ACCESSORIES FOR MINISPAS

### 1 ½" main drain

With elbow for gluing Ø 50 mm pipe.

Chrome-plated bronze front panel

Code	Pack. Standard	Weight kg Standard	Volume in m <sup>3</sup> Standard
04104	3	7.5	0.028



### Adjustable air inlet

¾" to control air massage to Venturi system for jet function

Chrome-plated bronze front panel  
White plastic front panel

Code	Pack. Standard	Weight kg Standard	Volume in m <sup>3</sup> Standard
04108	10	9.0	0.028
04110	10	3.0	0.028



### Pneumatic push button

For starting and stopping massage and hydromassage functions.

Chrome-plated bronze front panel  
White plastic front panel

Code	Pack. Standard	Weight kg Standard	Volume in m <sup>3</sup> Standard
04111	10	6.0	0.028
04113	12	6.0	0.028



### Blower Inlet

For minispa air distribution from the blower. 1 ½" thread.

Chrome-plated bronze front panel

Code	Pack. Standard	Weight kg Standard	Volume in m <sup>3</sup> Standard
04114	20	7.5	0.028



### 1 ¼" jet with adaptor to water return

Jet with adaptor to return water to pipe. Also adaptor to connect to water return and air circulation pipe, solvent for inner Ø 32 mm, directional.

Chrome-plated bronze front panel  
White plastic front panel

Code	Pack. Standard	Weight kg Standard	Volume in m <sup>3</sup> Standard
04095	8	12.0	0.028
04097	12	12.0	0.028



### Jet 1 ¼"

With adaptor to connect to return water pipe and Venturi to glue to Ø 32 mm pipe, directional.

Chrome-plated bronze front panel  
White plastic front panel

Code	Pack. Standard	Weight kg Standard	Volume in m <sup>3</sup> Standard
04092	8	10.0	0.028
04094	24	5.0	0.028



### 1 ¼" return inlet

Built in chrome brass  
Built in white plastic

Code	Pack. Standard	Weight kg Standard	Volume in m <sup>3</sup> Standard
04100	4	15.0	0.028
04103	12	3.5	0.028

## ELECTRICAL ACCESSORIES FOR SPAS / MINI SPAS



Programmable digital thermostat

To operate ON/OFF contactor.

Code	Pack. Standard	Weight kg Standard	Volume in m <sup>3</sup> Standard
<b>11288</b>	20	0.5	0.003



Electric press button

230 V 50 Hz.

Code	Pack. Standard	Weight kg Standard	Volume in m <sup>3</sup> Standard
<b>33387</b>	1	1.5	0.003



Electropneumatic equipment

With two switches. Up to 1.47 kW (2HP).

Code	Pack. Standard	Weight kg Standard	Volume in m <sup>3</sup> Standard
<b>04053</b>	2	4.0	0.028



Pneumatic switch

For starting and stopping massage and hydromassage functions.

	Code	Pack. Standard	Weight kg Standard	Volume in m <sup>3</sup> Standard
Pneumatic switch	<b>04050</b>	25	1.0	0.028
Pneumatic switch and presostat	<b>11290</b>	6	0.5	0.028
Pneumatic presostat	<b>11291</b>	12	1.0	0.028

## AIR BLOWERS



## Continuous operation lateral turbo blower pump

Air pump designed for spas, baths, hydromassage installations and similar which produces a constant stream of air bubbles at medium and high air volume levels. It can also be used to stir up the filter bed, for example in back wash cycles where a low intensity air current is required.

The filter casing and impeller are made from an injected aluminium alloy whilst the motor spindle is manufactured from stainless steel, with the impeller dynamically balanced and directly adapted to the spindle. The motors, single phase or 3 phase for continuous use, are made from steel in compliance with CEI 2/3 1988 regulations, and feature IP54 external protection and class-F insulation. The standard voltages are 100-120/200-240V for the monophase range and 200-240/380-440V for the triphase models, at 50/60Hz. The pumps can be mounted horizontally or vertically. Moreover, since there is no contact between the mobile parts and the pump static discharges, neither lubrication nor maintenance is necessary and it does not cause wear on the parts.

The turbines have a maximum working temperature of 40°C. Do not use in conjunction with aggressive, inflammable or explosive gases.

Model	Code	Frequency (Hz)	Power supply (V)	Phase	Flow rate (m³/h)	Maximum pressure (mbar)	Standard weight (kg)	Standard volume (m³)
Blower 0.4 kW	33970	50	Δ 200-240 Y 345-415	3	80	130	10	0.045
Blower 0.5 kW		60	Δ 220-275 Y 380-480	3	98	170		
Blower 0.85 kW	35388	50	200-240	1	145	160	17	0.059
Blower 0.95 kW		60	200-240	1	175	160		
Blower 0.85 kW	35387	50	Δ 200-240 Y 345-415	3	145	160	16	0.045
Blower 0.95 kW		60	Δ 220-275 Y 380-480	3	175	160		
Blower 1.3 kW	31090	50	200-240	1	210	170	23	0.059
Blower 1.5 kW		60	200-240	1	255	140		
Blower 1.3 kW	31091	50	Δ 200-240 Y 345-415	3	210	170	22	0.059
Blower 1.5 kW		60	Δ 220-275 Y 380-480	3	255	140		
Blower 1.5 kW	33971	50	200-240	1	210	220	24	0.064
Blower 1.75 kW		60	200-240	1	255	220		
Blower 1.6 kW	31092	50	Δ 200-240 Y 345-415	3	210	220	23	0.064
Blower 2.1 kW		60	Δ 220-275 Y 380-480	3	255	220		
Blower 1.6 kW 2V	35389	50	Δ 200-240 Y 345-415	3	150	300	25	0.087
Blower 2.06 kW 2V		60	Δ 220-275 Y 380-480	3	180	310		
Blower 2.2 kW	31093	50	Δ 200-240 Y 345-415	3	318	230	30	0.097
Blower 2.55 kW		60	Δ 220-275 Y 380-480	3	376	220		
Blower 3.0 kW 2V	31094	50	Δ 200-240 Y 345-415	3	230	410	40	0.126
Blower 3.45 kW 2V		60	Δ 220-275 Y 380-480	3	275	400		
Blower 3.0 kW	31095	50	Δ 200-240 Y 345-415	3	318	280	36	0.097
Blower 3.45 kW		60	Δ 220-275 Y 380-480	3	376	280		
Blower 4.3 kW 2V	31096	50	Δ 345-415 Y 600-720	3	520	600	54	0.217
Blower 4.8 kW 2V		60	Δ 380-480 Y 660-720	3	385	320		
Blower 5.5 kW	31097	50	Δ 345-415 Y 600-720	3	530	320	63	0.16
Blower 6.3 kW		60	Δ 380-480 Y 660-720	3	620	340		
Blower 5.5 kW 2V	33972	50	Δ 345-415 Y 600-720	3	320	515	66	0.201
Blower 6.3 kW 2V		60	Δ 380-480 Y 660-720	3	385	530		
Blower 7.5 kW	31098	50	Δ 345-415 Y 600-720	3	530	400	66	0.16
Blower 8.6 kW		60	Δ 380-480 Y 660-720	3	620	400		
Blower 11 kW 2V	33973	50	Δ 345-415 Y 600-720	3	520	600	104	0.353
Blower 12.6 kW 2V		60	Δ 380-480 Y 660-720	3	620	600		
Blower 12.5 kW	33974	50	Δ 345-415 Y 600-720	3	1050	270	116	0.353
Blower 14.5 kW		60	Δ 380-480 Y 660-720	3	1250	260		



## Intermittent operation air blower, 900 W

0.90 kW flow 54 m³/h at 1.5 m water head

Code	Pack. Standard	Weight kg Standard	Volume in m³ Standard
19289	1	3.5	0.028

## AIR BLOWERS



### Water pump

ABS (25%) and fibreglass (75%) housing. A 0.37 kW (0.5 hp) motor. IP-55 electrical connection rating of 24 V 220 V 1~ 50Hz . 2" male suction connection. 1½" male return connection.

#### TECHNICAL DETAILS

Water head	m <sup>3</sup> /h
2	16.5
4	14.8
6	12.6
8	10
10	7

Code	Pack. Standard	Weight kg Standard	Volume in m <sup>3</sup> Standard
04091	1	6.0	0.016

04091 1 6.0 0.016



### Intermittent operation air blower

Code	Pack. Standard	Weight kg Standard	Volume in m <sup>3</sup> Standard
06862	1	3.5	0.028
06863	1	3.5	0.028



### Cala Pump

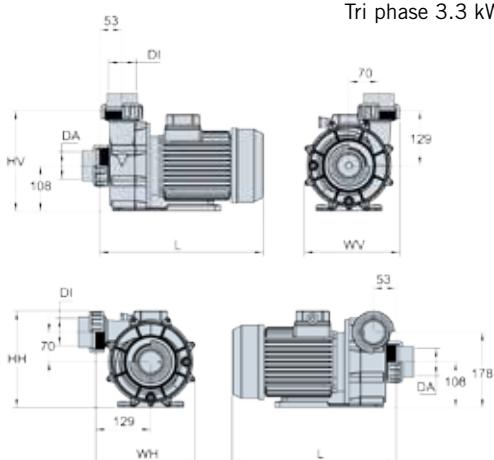
Centrifugal pump for spas, backwashes and other applications.

- Pump body manufactured in polypropylene reinforced with fibreglass, resistant to pool chemical products thus guaranteeing long and excellent duration.
- Turbine in Noryl.
- Graphite and ceramic mechanical seal.
- AISI 316L stainless steel motor spindle.
- Enclosed motor, completely silent, with IP-55 protection at 2850 r.p.m. Single phase power voltage at 230V-50Hz or triphase at 230/400-50Hz.
- Versions from 1.5 to 4.5 HP.
- Suction and return connections for gluing hoses included with the pump.
- Suction and return at Ø63.



Single phase 1.1 kW Cala Pump  
Tri phase 1.1 kW Cala Pump  
Single phase 1.5 kW Cala Pump  
Tri phase 1.5 kW Cala Pump  
Single phase 2.2 kW Cala Pump  
Tri phase 2.2 kW Cala Pump  
Single phase 2.9 kW Cala Pump  
Tri phase 3.3 kW Cala Pump

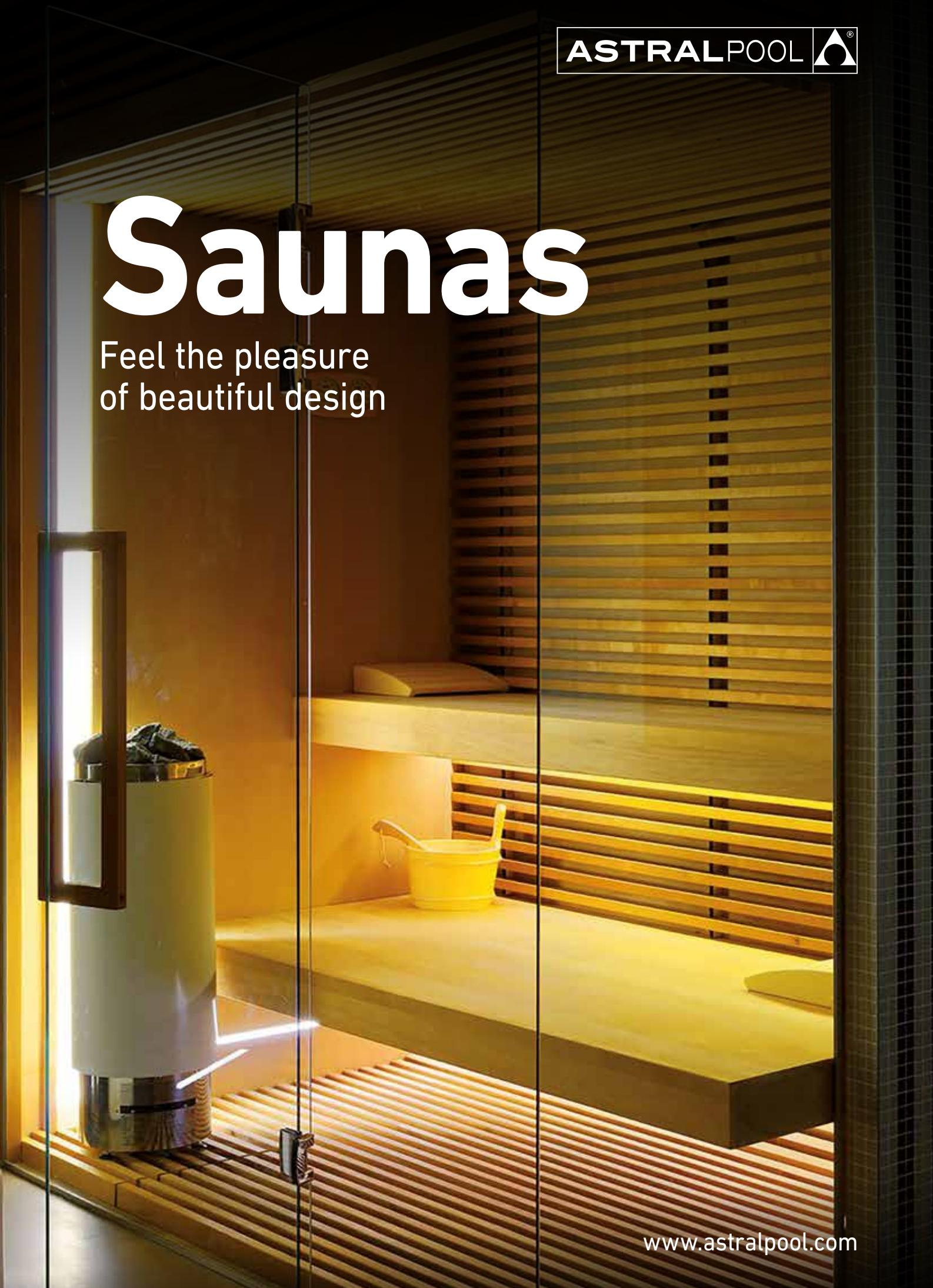
Code	Pack. Standard	Weight kg Standard	Volume in m <sup>3</sup> Standard
CA150M	1	15.0	0.058
CA150T	1	15.0	0.058
CA200M	1	16.5	0.058
CA200T	1	16.5	0.058
CA300M	1	19.5	0.058
CA300T	1	19.5	0.058
CA400M	1	22.5	0.058
CA450T	1	22.5	0.058



Code	Power		Size						
	kW	HP	L	WV	HV	WH	HH	DA	DI
CA150M	1.1	1.5	350	225	237	235	228	Ø63	Ø63
CA150T									
CA200M	1.5	2.0	365	225	237	235	228	Ø63	Ø63
CA200T									
CA300M	2.2	3.0	385	225	237	235	228	Ø63	Ø63
CA300T									
CA400M	2.9	4.0	415	225	237	235	228	Ø63	Ø63
CA450T	3.3	4.5							

# Saunas

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## COMMERCIAL POOLS - HEATING

- 568 • Air-water heat pumps with axial or centrifugal fan for outdoor or indoor installation
- 569 • Water-water exchanger
- 571 • Dehumidifiers

new app:

AstralPool Toolbox



Download this new app to consult which heat pump and dehumidifier best adapt to your pool.



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[www.astralpool.com](http://www.astralpool.com)



Fluidra Connect  
compatible



AstralPool  
Toolbox app for  
iOS and Android

#### Web

Heat pump configurator:  
[www.astralpool.com](http://www.astralpool.com) ->  
 Calculation tools

## AIR-WATER HEAT PUMPS WITH AXIAL OR CENTRIFUGAL FAN FOR OUTDOOR OR INDOOR INSTALLATION

### ProHeat II

- Robust, lightweight casing made from corrosion-resistant magnesium coated aluminium.
- High performance evaporator battery in an inner corrugated copper tube with lacquered aluminium fins, especially for corrosive environments.
- Axial ventilator.
- Scroll compressor.
- Water condensers in G2 titanium. Guaranteed against corrosion.
- R-410A refrigerant gas.
- Expansion via thermostatic valve, with external balancing unit.
- High and low pressure switches.
- Flowmeter for controlling the water flow rate.
- Reverse cycle defrosting with 4-way valve.
- Control of purifying system.
- Electrical protection for handling and strength.
- Easy-to-use control panel with current temperature display and set point, and alarm notifications. Communication protocols are available.
- Chiller model for possibility of cooling water in periods of high air temperature.
- Indoor model for installing the equipment in a plant room with air conductors.

#### TECHNICAL SPECIFICATIONS

		MODELS	PROHEAT II 35	PROHEAT II 45	PROHEAT II 60	PROHEAT II 90	PROHEAT II 120
CODE	Standard	65542-MOB	65543-MOB	65544-MOB	65545-MOB	65546-MOB	65546-MOB
	Chiller	68245-MOB	68246-MOB	68247-MOB	68248-MOB	68249-MOB	68249-MOB
	Indoor	69649-MOB	69650-MOB	69651-MOB	69652-MOB	69653-MOB	69653-MOB
VOLTAGE	V/Ph/Hz	400/50/3+N					
WATER CONDENSER		TITANIUM					
COMPRESSOR		SCROLL					
REFRIGERANT		R410-A					
REFRIGERANT GAS CHARGE	kg	4	6	9	2 x 6.5	2 x 9	
WATER FLOW RATE	m³/h	12-15	15-25	25-35	30-50	50-70	
Ø WATER CONNECTION	mm	63	63	75	75	75	
SOUND LEVEL	dbA (d*)	66.20	66.20	72.53	71.14	71.14	
	dbA (5 m)	60.85	60.85	68.42	69.39	69.39	
25°C T <sup>a</sup> AIR 26°C T <sup>a</sup> WATER	INPUT POWER	kW	6.40	8.20	11.90	17.00	24.30
	OUTPUT POWER	kW	36.20	44.40	63.50	91.30	125.50
	COP		5.66	5.41	5.34	5.37	5.16
15°C T <sup>a</sup> AIR 26°C T <sup>a</sup> WATER	INPUT POWER	kW	6.20	8.10	11.50	16.80	23.90
	OUTPUT POWER	kW	30.53	39.70	56.80	80.20	110.50
	COP		4.92	4.90	4.94	4.77	4.62
5°C T <sup>a</sup> AIR 26°C T <sup>a</sup> WATER	INPUT POWER	kW	6.00	7.90	10.70	16.20	22.70
	OUTPUT POWER	kW	23.20	30.00	41.30	61.00	80.10
	COP		3.87	3.80	3.86	3.77	3.53
CHILLER MODE							
30°C AIR TEM- PERATURE 26°C WATER TEMPERATURE	INPUT POWER	kW	7.00	8.40	12.00	17.30	24.40
	OUTPUT POWER	kW	42.25	51.00	72.00	104.00	140.00
	EER		6.04	6.07	6.00	6.01	5.74
43°C AIR TEM- PERATURE 32°C WATER TEMPERATURE	INPUT POWER	kW	9.44	11.86	15.60	24.50	31.20
	OUTPUT POWER	kW	29.10	37.00	49.50	74.00	99.00
	EER		3.08	3.12	3.17	3.02	3.17
STANDARD AND CHILLER MODELS							
SIZE							
	A (mm)	1000	1000	1700	2100	2400	
	B (mm)	950	950	1200	1200	1200	
	C (mm)	1140	1140	1200	1500	1700	
NET WEIGHT	kg	185	210	287	447	500	

NOTE: d\* = As per UNE-EN 12102/ISO 3744:2010.

## WATER-WATER EXCHANGER



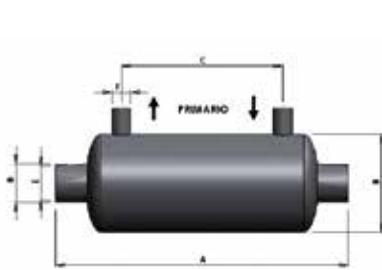
## Waterheat

Heat exchanger suitable for warming the water temperature of pools and SPAS, thanks to the heat exchange between the primary circuit (warm area) and a secondary one (cold area that we want to warm).

- Titanium body (secondary, pool water).
- Coils made in titanium alloy (primary, water from boiler).
- Primary work pressure 10 bar and secondary work pressure 3 bar.

TIT-20 kW  
TIT-40 kW  
TIT-60 kW  
TIT-100 kW  
TIT-140 kW  
TIT-210 kW

	Code	Pack. Standard	Weight kg Standard	Volume in m <sup>3</sup> Standard
TIT-20 kW	<b>41426</b>	1	1.2	-
TIT-40 kW	<b>41427</b>	1	1.7	-
TIT-60 kW	<b>41428</b>	1	2.3	-
TIT-100 kW	<b>65539</b>	1	5.0	-
TIT-140 kW	<b>65540</b>	1	7.0	-
TIT-210 kW	<b>65541</b>	1	9.0	-



The 140 and 210 kW models include 4 primary connections.



## Equipped Waterheat

Heat exchanger suitable for warming the water temperature of pools and SPAS, thanks to the heat exchange between the primary circuit (warm area) and a secondary one (cold area that we want to warm).

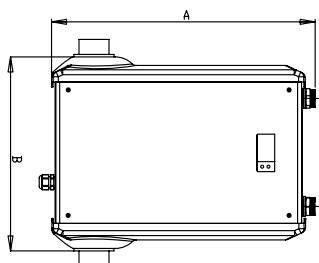
- Regulator with secondary pump control, voltage free contact and timer.
- Casing built in Alucoil and ABS plastic.
- Body made in Titanium (secondary, water from pool).
- Coils made in titanium alloy (primary, water from boiler).
- Fully fitted, anti-return valve, primary recirculation pump and control thermostat with immersion probe.
- Primary work pressure 10 bars and secondary work pressure 3 bars.

## CONNECTIONS:

- Primary (heating): 1"
- Secondary (pool): D-50 three piece link.

TIT-20 kW  
TIT-40 kW  
TIT-60 kW

	Code	Pack. Standard	Weight kg Standard	Volume in m <sup>3</sup> Standard
TIT-20 kW	<b>43506</b>	1	-	-
TIT-40 kW	<b>43507</b>	1	-	-
TIT-60 kW	<b>43508</b>	1	-	-



Code	[kW]		Pool PRIM.		Heating SEC.		Dimensions [mm]			
	90/70°C	60/40°C	m <sup>3</sup> /h	bar	m <sup>3</sup> /h	bar	A	B	C	D
<b>43506</b>	20	10	1.6	0.12	10	0.14	530	395	160	215
<b>43507</b>	40	20	2.7	0.41	15	0.24	530	490	160	225
<b>43508</b>	60	30	3.0	0.70	20	0.29	530	585	160	305



## WATER/WATER PLATE HEAT EXCHANGER

## Etna

- Corrugated plates in AISI-316 or Titanium.
- EPDM gaskets.
- Housing in epoxy painted carbon steel.
- In non-equipped heat exchangers, AISI-316 stainless steel connections in ISO G2 direct thread.
- In "equipped" heat exchangers, primary connections in copper, and secondary in PVC.
- In "equipped" heat exchangers, full regulation, with control of the filtering pump. Double display (setpoint and current reading).
- Simple recirculating pump in the primary circuit is optional.



Basic model



Equipped model



Equipped model + recirculating pump

Model	AISI-316 codes			Titanium codes			Power (kcal/h)	Nº Plates	Primary circuit			Secondary circuit		
	Basic model	Equipped model	Model Eq+B(1)	Basic model	Equipped model	Model Eq+B(1)			Flow rate (m <sup>3</sup> /h)	Head loss (m.w.h.)	Connections	Flow rate (m <sup>3</sup> /h)	Head loss (m.w.h.)	Connections
ETNA-15	67985	68003	68021	67994	68012	68030	15,000	5	0.75	1 1/4"	0.74	1.93	1 1/4"	
ETNA-35	67986	68004	68022	67995	68013	68031	35,000	7	1.77	2.15	1 1/4"	1.73	2.57	1 1/4"
ETNA-50	67987	68005	68023	67996	68014	68032	50,000	9	2.56	2.01	1 1/4"	2.51	2.41	1 1/4"
ETNA-60	67988	68006	68024	67997	68015	68033	60,000	11	3.09	2.14	1 1/4"	3.03	2.57	1 1/4"
ETNA-90	67989	68007	68025	67998	68016	68034	90,000	15	4.64	2.34	1 1/4"	4.55	2.81	1 1/4"
ETNA-120	67990	68008	68026	67999	68017	68035	120,000	19	6.19	2.45	1 1/4"	6.07	2.95	1 1/4"
ETNA-150	67991	68009	68027	68000	68018	68036	150,000	23	7.71	2.24	1 1/4"	7.56	2.7	1 1/4"
ETNA-180	67992	68010	68028	68001	68019	68037	180,000	29	9.23	2.32	1 1/4"	9.06	2.79	1 1/4"
ETNA-200	67993	68011	68029	68002	68020	68038	200,000	31	10.3	2.38	1 1/4"	10.1	2.86	1 1/4"
ETNA-250	32550	32563	32576	33137	33155	33173	250,000	15	12.86	2.2	2 1/2"	12.61	2.74	2 1/2"
ETNA-300	32552	32565	32578	33139	33157	33175	300,000	17	15.42	2.4	2 1/2"	15.13	2.99	2 1/2"
ETNA-350	32553	32566	32579	33140	33158	33176	350,000	21	17.98	2.12	2 1/2"	17.64	2.64	2 1/2"
ETNA-400	33114	33119	33124	33141	33159	33177	400,000	23	20.55	2.27	2 1/2"	20.16	2.82	2 1/2"
ETNA-460	33115	33120	33125	69796	33160	33178	460,000	25	23.18	2.41	2 1/2"	22.73	2.99	2 1/2"
ETNA-500	32554	32567	32580	69797	33161	33179	500,000	27	25.1	2.41	2 1/2"	24.62	2.99	2 1/2"
ETNA-580	33116	33121	33126	69798	33162	33180	580,000	33	29.83	2.26	2 1/2"	29.26	2.81	2 1/2"

(1) Eq + B: Equipped model + recirculating pump.



Further information in **PRODUCTS**  
[www.astralpool.com](http://www.astralpool.com)

## DEHUMIDIFIERS



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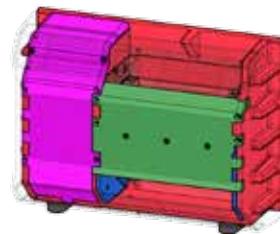
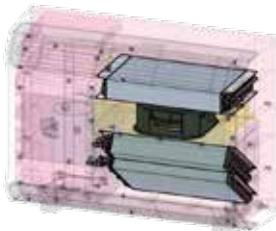
**Web**  
Dehumidifier configurator:  
[www.astralpool.com](http://www.astralpool.com) ->  
Calculation tools

### CDP LINE 2 Dehumidifier

The new CDP LINE v2 dehumidifier console is used in installations where individual humidity and temperature control of small pools and spas is required.

- Evaporation and condensation battery made out of copper pipes with lacquered aluminium fins (specially designed for corrosive environments).
- Airtight compressor with an internal protection mechanism, carter resistance and a muffler.
- Optional heating battery, electrical or hot water.

The new innovations this equipment introduces include the expanded polypropylene structure (EPP) which reduces its weight and noise level and the front panel with a picture the customer can personalise as an optional extra.



#### TECHNICAL SPECIFICATIONS

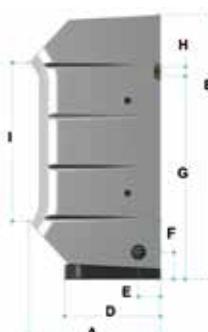
	MODELS	CDP LINE - 2	CDP LINE - 3	CDP LINE - 4	CDP LINE - 5												
Code	DEHUMIDIFIER ONLY	65891	65892	65893	65894												
	WITH WATER HEATER BATTERY	65895	65896	65897	65898												
	WITH ELECTRIC BATTERY	65899	65900	65901	65902												
<b>DEHUMIDIFICATION CAPACITY*</b>	l/hour	2	3	4	5												
<b>HEATING CAPACITY</b>	Water heater battery (W)	6000		12000													
	Electric battery (W)	4000		5000													
<b>VOLTAGE</b>	V/Ph/Hz		230/50/l+N														
<b>FAN</b>	m <sup>3</sup> /h	850 (centrifugal fan)		1,000 (centrifugal fan)													
<b>REFRIGERANT</b>	Type		R410-A														
<b>NOISE</b>	<b>LEVEL 1 m</b>	dB (A)	62		65												
	<b>LEVEL 3 m</b>	dB (A)	54.7		60												
<b>Size</b>		A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P
	mm	400	800	1075	290	67	80	610	30	480	152	120	531	825	325	45	50
<b>NET WEIGHT</b>	Water heater battery (kg)	54		56		63		65									
	Electric battery (kg)	50		52		58		60									

\* General operating conditions:

Installation air temperature: 28°C.

Humidity: 75 %

Installation minimum air temperature: 20°C





Further information in **PRODUCTS**  
[www.astralpool.com](http://www.astralpool.com)

## DEHUMIDIFIERS



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Toolbox app for  
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**Web**  
**Dehumidifier configurator:**  
[www.astralpool.com](http://www.astralpool.com) ->  
**Calculation tools**

### BDP Confort Dehumidifying Unit

The BDP Confort heat pump is used for the dehumidification of indoor pools, using the latent heat of evaporation and the performance of the system itself to heat the pool water and the room air.

The energy savings achieved with these systems compared to traditional heating systems mean that they are virtually essential when you wish to heat an indoor pool.

The wide range of models covers all market requirements.

- Made of non-corrosive magnesium coated aluminium.
- Thermal-acoustic inside insulation.
- Direct transmission single centrifugal ventilator. Radial Ventilator Optional.
- Air filter can be changed for a G4 type filter.
- Condensation collection gutter with drainpipe.
- A copper nitrogen, dehydrated and deoxidised refrigerated circuit. Air condensation.
- Ozone-safe R407C refrigerant gas charge (ecological).
- Evaporation, condensation and hot water batteries made of copper pipes with lacquered aluminium fins (specially designed for corrosive environments).
- Airtight compressor mounted on anti-vibration mounts.
- Pressure balancing expansion valve.
- High and low pressure switch.
- General security switch.
- Power source, compressor and ventilator motor protection mechanisms.
- Full adjustment of all the items included.
- Three-way valves and their regulation when a hot water battery is incorporated.

#### Optional:

- 1 or 2 stage electrical resistance to support air heating.
- Hot water battery to support air heating, with three-way valve, temperature probe and regulation (ask about primary temperatures different to standard equipment).
- Freecooling or mixed chamber and shutter to bring in outside air.
- Optional enthalpic regulation in the case of freecooling.

#### Generation Operating Conditions

The thermo-hygrometric conditions for these facilities that are considered optimal for materials and people include:

- Air 28°C - 30°C
- 65% RH
- Water 2°C below air temperature.

#### TECHNICAL FEATURES

	MODELS	BDP-4	BDP-5	BDP-6	BDP-8	BDP-10	BDP-12	BDP-16
DEHUMIDIFICATION CAP.	l/h	4,2	5,2	5,9	8,3	11	12,5	17,35
AIR CONDENSATION POWER	W	7068	8473	11598	12395	13826	19121	26648
<b>COOLING CIRCUIT</b>								
TYPE OF COMPRESSOR								
GAS LOAD	Kg.	3	3,5	4	5	9	9	10
VOLTAGE	V/Ph/Hz	230/2/50			400/3/50			
MAX. CONSUMPTION	kW	1,8	2,4	3,71	3,66	4,33	5,49	6,81
<b>FANS</b>								
TYPE								
AIR FLOW RATE	m <sup>3</sup> /h	1000	1200	1800	2800	3800	4300	5500
TOTAL AVAILABLE PRESSURE	mca	15	15	20	20	20	20	20
MAX. CONSUMPTION KW	RETURN	0,2	0,2	0,25	0,55	1,1	1,1	3,00
<b>OTHER DATA</b>								
Ø DRAIN	mm	22	22	22	22	22	22	22
NOISE LEVEL AT 1 M	dB	68	68	68	68	69	69	70
WEIGHT	kg	100	110	160	182	270	360	448
AIR FILTERS		G4						
<b>OPTIONAL</b>								
ELECTRIC POWER BATTERY	W	5000	5000	-	-	-	-	-
BATTERY HOT WATER AIR HEATER	POWER	W	11600	11600	22200	22200	35800	35800
	PRIMARY T.	°C	90					
		°C	70					
	FLOW RATE	l/h	500	500	990	990	1590	1590
	CONNECTION	Inches	¾"	¾"	¾"	¾"	¾"	¾"

1) For 28 °C air T. 65% RH, 24 °C water T,

2) Return plus suction.

## DEHUMIDIFIERS



### AirPool

The new AIRPOOL dehumidifier is used to dehumidify covered pools by harnessing the latent heat from vaporisation and the very output of the equipment in heating the basin water and pool ambient air, recovering the energy needed and controlling air temperature and relative humidity.

#### STRUCTURE

- The structure is made from aluminium profiles with reinforced nylon on the corners.
- The housing is a 25 mm sandwich panel with IDROTEC polyurethane and auto-close handles, classifying the equipment as tightness L1(M) and thermal transmission T2.
- Condensation collection gutter with drainpipe.

#### COOLING CIRCUIT

- Evaporation and condensation battery made out of copper pipes with lacquered aluminium fins.
- Scroll compressor.
- R-410A refrigerant gas.

#### AIR CIRCUIT

- G4 filter.
- Free-cooling system made up of three motorised weir flaps, mixing chamber and return fan.

#### REGULATORS

- Through a programmable electronic regulator.
- Return air and outside air humidity and temperature probes, and a pool water temperature probe.
- Dirty filter pressure switches.
- Control of the pool water circulation pump through a voltage-free contact.
- Free-cooling weir flap servomotors.

#### OPTIONAL

- Harnesses the energy in the air discharged from the high-performance crossflow recuperator (according to Spain's RITE Regulation for Thermal Installations in Buildings)
- High-performance backup hot water battery manufactured in copper piping and lacquered aluminium fins specially designed for corrosive atmospheres. Includes a 3-way proportional valve. Controls flow temperature as an optional extra.
- Titanium condensers with PVC shell and Titanium coil.
- M6 filter in pool air suction unit and exterior air inlet and F8 filter in flow unit.
- Siemens regulation with touchscreen, enthalpy control and Eco operating mode, reducing fan flow in line with setpoints.
- Electronic radial plug fan with flow rate control.
- Water-water exchanger, assembled with the water condenser as a series feature.
- Increased air and pressure flow available in fans.
- External condenser.
- Weatherproofed.
- Optional CO<sub>2</sub> probes for controlling the quality of the air and adjusting it.
- Remote management.
- AND/OR preventive maintenance.
- AND/OR warranty extension.
- Start-up.



AstralPool  
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### TECHNICAL FEATURES

MODELS		AIRPOOL-9	AIRPOOL-14	AIRPOOL-18	AIRPOOL-25	AIRPOOL-35	AIRPOOL-45	AIRPOOL-55	AIRPOOL-70	AIRPOOL-85	AIRPOOL-110	AIRPOOL-140	AIRPOOL-180
CODES		67665	67666	67667	67668	67669	67670	67671	67672	67673	67674	67675	67676
Voltage		1-230V 50 Hz	3-400V 50 Hz										
Dehumidification (1)	kg/h	8.4	14.1	18.6	27	34.5	47.05	54.32	71.24	86.53	107.98	136.9	177.8
Dehumidification (2)	kg/h	11.6	18	23	34.44	42.68	58.98	69.07	88.85	108	134.95	177	231
Dehumidification (3)	kg/h	6.12	10.3	12.7	16.56	22.86	30.89	34.5	46.04	57.01	72.24	90.9	116.5
Air flow rate	m <sup>3</sup> /h	1800	2500	3800	5500	7000	10000	12000	15000	18000	22000	30000	40000
Crossflow recuperator	m <sup>3</sup> /h	540	750	1140	1800	2100	3000	3600	4500	5500	7000	10000	13500
Air battery power (80-60°C)	kW	14.33	22.14	29.25	40.7	54.18	78.34	88.07	111.51	134.07	167.1	237.5	293.8

(1) Local 28°C 65% hr with 30% outside air 20°C 70% hr. With recuperator.

(2) VDI 2089 Local 30°C 54% hr with 30% outside air 5°C 80% hr. With recuperator.

(3) Local 28°C 65% hr in recirculation



Further information in **PRODUCTS**  
www.astralpool.com

## DEHUMIDIFIERS



AirPool+

The new high performance AIRPOOL + dehumidifier is used for dehumidifying indoor pools. Thanks to its design, in which the cooling circuit components are distributed differently to conventional dehumidifiers, it uses the dehumidified air to recover heat. By optimising its various operating modes, huge savings can be made in running a pool.

### STRUCTURE

- The structure is made from aluminium profiles with reinforced nylon on the corners.
- The housing is a 45 mm sandwich panel with IDROTEC polyurethane and auto-close handles, classifying the equipment as tightness L1(M) and thermal transmission T2.
- Condensation collection gutter with drainpipe.
- Equipment interior with painted sheet metal for greater durability against chlorine degradation.

### COOLING CIRCUIT

- High-performance evaporation and condensation batteries manufactured in copper piping and lacquered aluminium fins.
- Scroll compressor.
- R-410A refrigerant gas.

### AIR CIRCUIT

- M6 filter in pool air suction unit and exterior air inlet and F8 filter in flow unit.
- Radial plug fans with flow rate control
- Free-cooling system made up of three motorised weir flaps, mixing chamber and return fan.
- Harnesses the energy in the air discharged from the crossflow recuperator from 100% of flow
- Back-up water heating battery. With three-way proportional valve and flow-rate temperature control.

### REGULATORS

- Siemens regulation with touchscreen, absolute humidity control and Eco operating mode, reducing fan flow in line with setpoints.
- Return air and outside air humidity and temperature probes, and a pool water temperature probe.
- Dirty filter pressure switches.
- Control of the pool water circulation pump through a voltage-free contact.
- Servomotors for free-cooling weirs.

### OPTIONAL

- Increase in air flow rate (involves rise in heating battery power)
- Titanium condensers with PVC shell and Titanium coil.
- Water-water exchanger, assembled with the water condenser as a series feature.
- Equipment can be operated in reverse to expel surplus heat from the facility.
- Weatherproofed.
- Optional CO<sub>2</sub> probes for controlling the quality of the air and adjusting it.
- ModBus.
- Remote management.
- AND/OR preventive maintenance.
- AND/OR warranty extension.
- Start-up.



Only heats air.



Dehumidification through alpha circuit



Dehumidification through alpha circuit with air renewal



Full air renewal.

### TECHNICAL FEATURES

MODELS		AIRPOOL+ 12	AIRPOOL+ 22	AIRPOOL+ 30	AIRPOOL+ 44	AIRPOOL+ 54	AIRPOOL+ 70	AIRPOOL+ 84	AIRPOOL+ 108	AIRPOOL+ 132	AIRPOOL+ 175
CODES		67677	67678	67679	67680	67681	67682	67683	67684	67685	67686
Voltage		1-220V 50 Hz	3-400V 50 Hz								
Dehumidification (1)	kg/h	13.39	22.31	21.69	44.29	53.57	70.87	84.15	110.71	133.35	177.60
Dehumidification (2)	kg/h	25.62	30.22	57.12	85.55	102.33	136.75	162.39	213.67	256.24	342.27
Dehumidification (3)	kg/h	7.99	12.84	12.33	24.96	37.81	42.49	50.57	66.49	83.67	130.94
Air flow rate	m <sup>3</sup> /h	2100	3500	4900	7000	8400	11200	13300	17500	21000	28000
Recuperator efficacy (1)	%	67	69	71	68	73	70	70	70	68	68
Air battery power (90-70°C)	kW	20.38	38.74	48.49	70.95	87.93	106.71	134.22	177.75	216.54	272.95

(1) Local 28°C 65% hr with 30% outside air 20°C 70% hr

(2) VDI 2089 Local 30°C 54% hr with 30% outside air 5°C 80% hr

(3) Local 28°C 65% hr in recirculation



## COMMERCIAL POOLS - COMPETITION MATERIALS

- 576 • SkyPool Commercial Pools
- 578 • Competition pool systems
- 580 • Swimming pool competition podiums
- 582 • Lane ropes
- 583 • Floats
- 584 • Lane rope storage equipment
- 585 • Lane rope accessories
- 587 • Signage
- 588 • Turning panels
- 589 • Attachments for competition equipment
- 589 • Water polo goal

## SKY POOL COMMERCIAL POOLS

### ABOUT SKYPOOL

#### PANEL POOLS, THE VERY LATEST TECHNOLOGY THAT ENSURES PRECISION AND ACCURACY



The easiest, quickest and surest way of building any required residential and commercial pool. SkyPool is AstralPool's range of prefabricated panel pools that can be adapted to fit existing infrastructures or new ones.

The use of these totally prefabricated panels that are easy to fasten and assemble together means that an in-ground or above-ground pool can be built in record time.

The steel panels undergo hot-dip galvanisation in a bath of zinc, which gives them excellent protection against rusting so that they last longer and their safety is guaranteed throughout their service life.

### SkyPool, experts in end-to-end solutions

Thanks to SkyPool, AstralPool is the undisputed world leader in prefabricated pools made of galvanised steel panels. Our flexibility and drive, in addition to the way we adapt to the needs and regulations of each market have led us to build pools in more than 60 countries, which has made us one of the companies with the greatest international outreach in the sector.

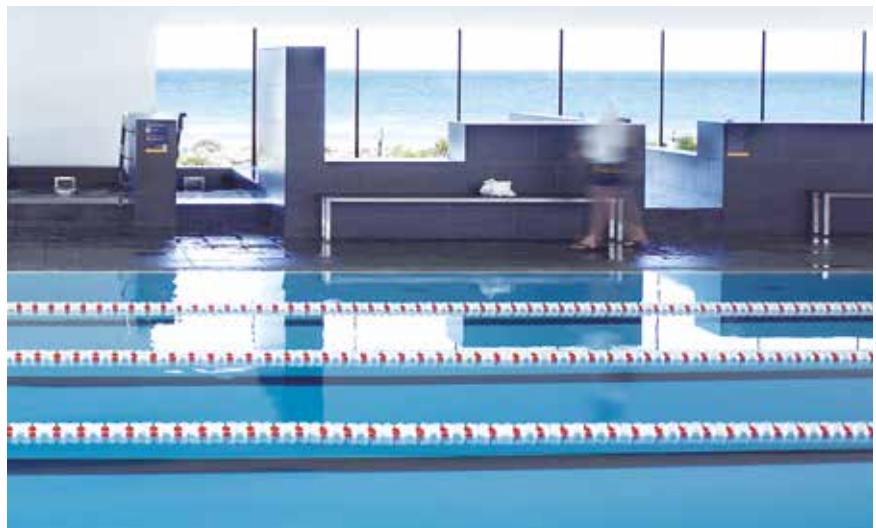
#### Award-winning competition pools.

As leaders in this sector, we have longstanding experience in the development of solutions for the world of competition. We make pools of any size including the required by FINA standards and regulations.

#### End-to-end solutions.

AstralPool has a multidisciplinary team able to give you support in the development of your project from beginning to end, as well as the degree of experience and know-how expected of a world leader:

- Project analysis.
- Preliminary design study and quote.
- Advice and water treatment.
- Manufacture.
- Worksite management.
- Installation of complete solutions.



## SKY POOL COMMERCIAL POOLS

SkyPool is the best choice for many reasons.



### Quick

The use of completed prefabricated components together with the easy assembly system considerably reduces the time required to build a pool.



### Versatile

This system can be used for any design, whatever a pool's shape.



### Long-lasting

New design and manufacturing systems are used to obtain maximum quality, functionality and durability of all pool components. The metal structure has a 20-year warranty.



### Lightweight

Choose a place and we'll build a pool there! The advantage of the lightweight structure that is easily adaptable is that pools can be built even in awkward conditions. Small spaces, rooftops, stadiums, etc.



### Inexpensive

As no complex infrastructure has to be built, a high performance pool can be obtained at a lower cost.



### Reliable

The use of the very best components, together with a totally safe construction system, delivers the reliability required in this type of facility.



### Sustainable

All components can be recycled, are non-contaminating and are manufactured using processes with a low environmental impact.

## Advantages of SkyPool

### 1. Technology

Thanks to the technology used in the construction of SkyPool panels, they are fully compliant with FINA regulations. There is an extremely easy and efficient system for adjusting the level and angles of a pool. The access through the system's manholes enables all adjustment to be made.

### 2. Watertight. No leaks.

There are no cracks. The perfect fit of the assembled SkyPool panels covered by the liner ensure the pool shell is completely watertight. Furthermore, the system has been designed to withstand land movements and subsidence, in addition to the pressure exerted when a pool is emptied or filled.

### 3. High resistance finishes.

The PVC-P reinforced liner used by SkyPool is watertight, which gives these pools a high level of safety, protection, robustness and durability. Furthermore, it is resistant to chlorinated water and aging caused by external agents. The liner ensures elasticity and is available with a wide range of optional features (colours, etc.).

### 4. Quicker installation time.

It can take as much as two months off the time to manufacture and install an Olympic SkyPool (50 x 25 x 2 m) in comparison with a concrete pool. This considerably reduces indirect and opportunity costs.

### 5. Low maintenance.

As there is access to the pool perimeter, any problems are more quickly located, so repair and maintenance work is easier and costs less.

## SKY POOL COMMERCIAL POOLS

SkyPool panel models



### BARCELONA PANEL

Freestanding galvanised steel panel suitable for pools of up to 2.5 m. Fastenings are only required at the bottom.



### CAR PANEL

Freestanding galvanised steel panel suitable for pools of up to 3 m. Fastenings are required at the top and on the bottom.



### RENOVATION PANEL

Freestanding galvanised steel panel suitable for pools of up to 2.5 m. Fastenings are only required at the bottom.



### MELBOURNE PANEL

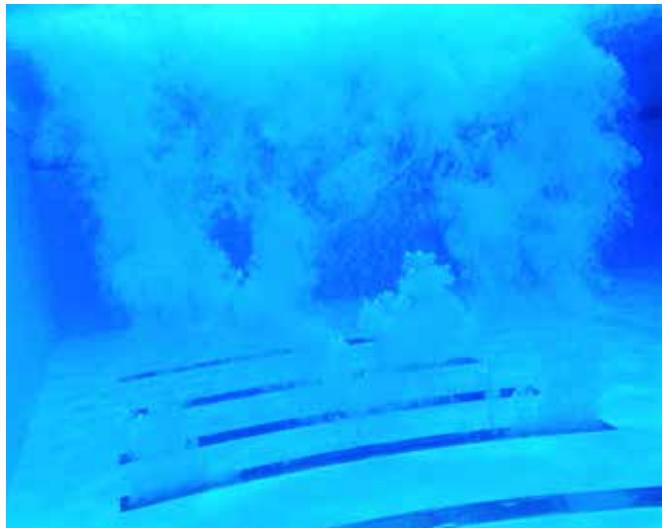
Freestanding galvanised steel panel suitable for pools of up to 3 m with structure to install the surround of the pool.

## COMPETITION POOL SYSTEMS

Sparger. Safety on diving boards.

When diving off a diving board, the undisturbed water forms a fairly resistant surface, which if combined with a bad descent can result in serious injury on impact.

AstralPool has added Sparger technology to its pools in the shape of a new safety system for diving pools. Air is released at high pressure from the pool floor, which forms a large amount of bubbles when it mixes with the water to form a cushion for divers. This reduces the risk of injury and divers are more confident when they dive into the water, whether they are beginners or professionals.



## COMPETITION POOL SYSTEMS

Movable wall. Divides pools and multiplies their uses.

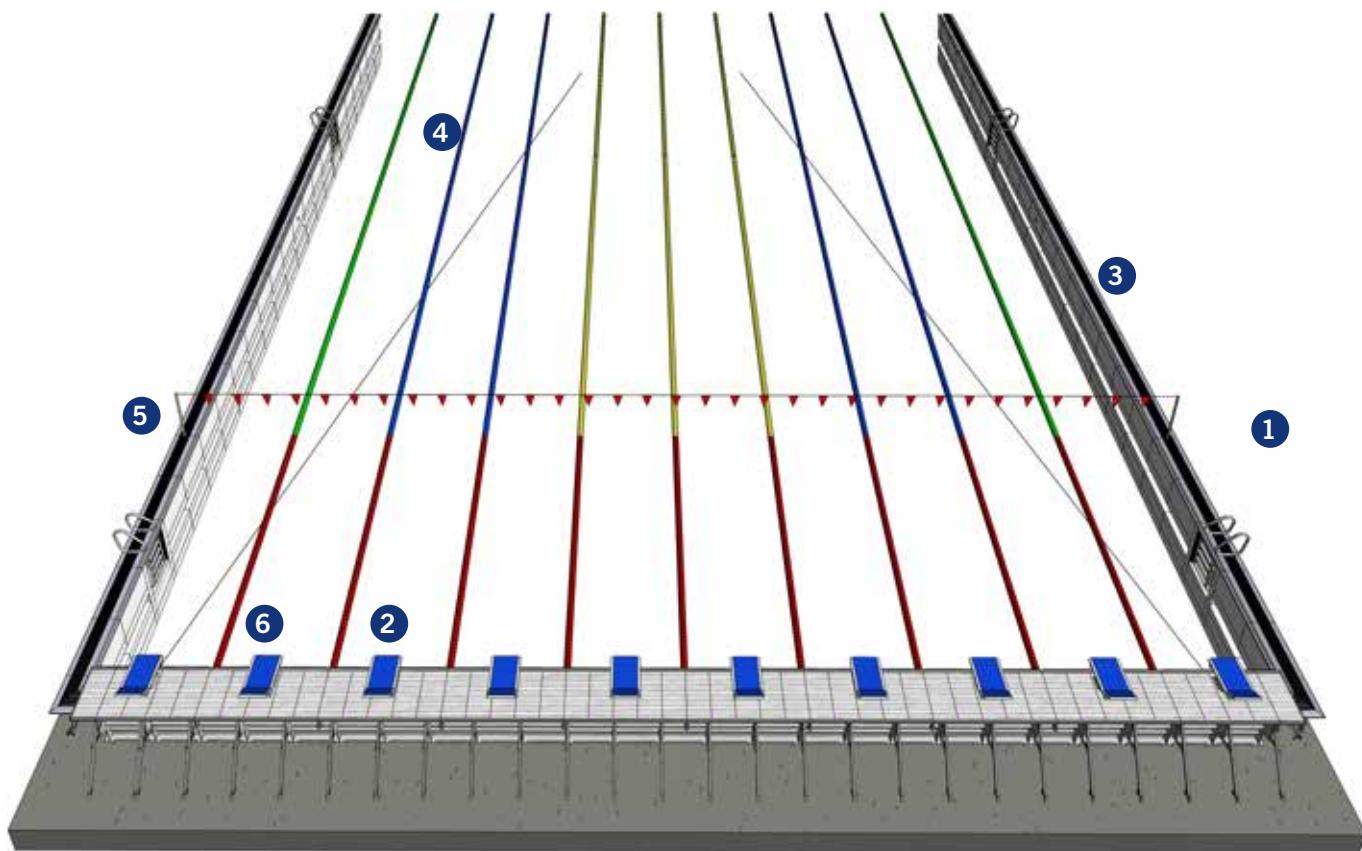


Technology that allows a single pool to be divided into two separate pools for different uses. This therefore makes better use of space and gives swimmers a greater variety of options for a lower overall cost.

The movable wall system is able to adapt to and be used in existing pools or newly built ones.

The movable wall is made of AISI-304 stainless steel and is lined with white plastic non-slip sheeting.

## LOCATION OF THE VARIOUS EQUIPMENT USED IN COMPETITION POOLS



- ① Ladder
- ② Starting block
- ③ Grating for pool overflow

- ④ Float lines
- ⑤ Backstroke flags
- ⑥ Turning panel with supports

+ info

PDB  
Product DatabaseConsulte + info en PRODUCTOS.  
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## SWIMMING POOL COMPETITION PODIUMS



## Starting block

Specially designed for competition events. Available with adjustable footrest to facilitate entry into the water. Its minimalist design in high quality materials gives it an elegant and modern look. Manufactured in AISI-316 stainless steel. Polished surface finish. Adjustable support (6 positions). Fastening 54460 not included in supply.

	Code	Pack. Standard	Weight kg Standard	Volume in m <sup>3</sup> Standard
Starting block	53875	1	-	-



## Starting blocks

Base in S.S. AISI-316. Adjustable platform in polyester & fibreglass with non-slip finish 500 mm x 500 mm. Number sequence not included. Plate anchoring for starting block in AISI-316 code 54461 not included.

	Code	Pack. Standard	Weight kg Standard	Volume in m <sup>3</sup> Standard
<b>POLISHED FINISH:</b> Height 700 mm Height 400 mm	00144	1	32.0	0.36
	00145	1	25.3	0.18



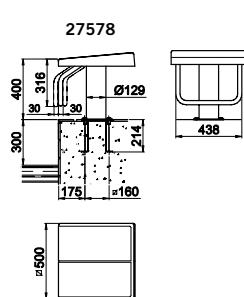
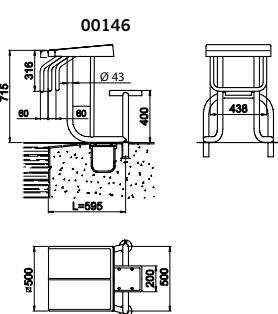
## Starting blocks

Made in S.S. AISI-304. Platform in Polyester and fibreglass with non-slip finish 500 mm x 500 mm. Number sequence not included.

	Code	Pack. Standard	Weight kg Standard	Volume in m <sup>3</sup> Standard
<b>POLISHED FINISH:</b> Height 700 mm Height 400 mm	00146	1	25.0	0.48
	27578	1	18.0	0.11

**Note:** The starting block with code number 00146 may be made to order to adapt to the position of the overflow channels. In such cases, the measurement for L must be provided.

**Notes:**  
Code 00146: Fastener (code 00143), not included.  
Code 27578: Fastener (code 54462), not included.



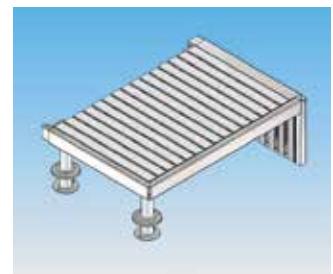
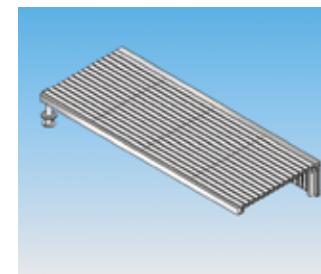
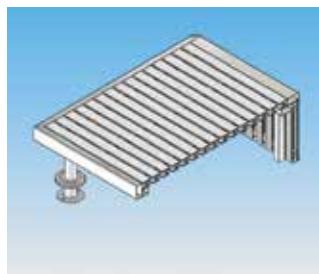
## SWIMMING POOL COMPETITION PODIUMS



## Headwall for podiums

AstralPool has created a headwall that allows starting blocks to be attached. This addition extends our range of products for competition. The item consists of an AISI-304 Stainless Steel structure and plastic grating. The platform can also be used as a turning panel and includes anchors for float lines.

	Code	Pack. Standard	Weight kg Standard	Volume in m <sup>3</sup> Standard
Headwall, lane width 2 m	<b>34213</b>	1	-	-
Headwall, lane width 2.5 m	<b>34214</b>	1	-	-
Headwall, right corner	<b>34215</b>	1	-	-
Headwall, left corner	<b>34216</b>	1	-	-



## Podiums fixing

Anchoring for installation of the podiums in concrete, made in Stainless Steel AISI-304/316, composed by inground base, bolts and washers, with connection to the equipotential circuit.

	Code	Pack. Standard	Weight kg Standard	Volume in m <sup>3</sup> Standard
Competition podium fixing, made in AISI-316	<b>54460</b>	1	2.4	0.02
Fixing for the podium made in AISI-316	<b>54461</b>	1	3.5	0.02
Fixing for the podium made in AISI-304	<b>54462</b>	1	2.4	0.02

Fastening 54460: For podiums codes 28760 - 28761 - 53875

Fastening 54461: For podiums codes 00144 - 00145 - 19956

Fastening 54462: For podium code 27578

## Starting blocks numbers

4 units of each supplied.



	Code	Pack. Standard	Weight kg Standard	Volume in m <sup>3</sup> Standard
--	------	-------------------	-----------------------	--------------------------------------

**Height 80 mm**

(For starting blocks 00146 - 27578 - 27836)

For starting blocks from 1 to 6

**28616**

1

-

-

For starting blocks from 1 to 10

**28617**

1

-

-

**Height 100 mm**

(For starting blocks 00144 - 00145 - 19956 -

- 28760 - 28761 - 53875)

For starting blocks BCN03 from 1 to 6

**34200**

1

0.1

0.001

For starting blocks BCN03 from 1 to 10

**34201**

1

0.1

0.001

**+ info****PDB**  
Product DatabaseConsulte + info en **PRODUCTOS.**  
[www.astralpool.com](http://www.astralpool.com)**LANE ROPES****BCN03 Competition lane rope model**

Lane ropes supplied assembled with floats, 6 mm stainless steel rope (code 28808), tightener (00208) and spring (01468). Floats with interior turbines with an external Ø of 148 mm in accordance with FINA international swimming federation regulations.

	Code	Pack. Standard	Weight kg Standard	Volume in m <sup>3</sup> Standard
<b>25 m</b>				
Red - White colour	<b>67599</b>	1	-	-
Red - Green colour	<b>67601</b>	1	-	-
Red - Blue colour	<b>67602</b>	1	-	-
Red - Yellow colour	<b>67603</b>	1	-	-
<b>50 m</b>				
Red - White colour	<b>67600</b>	1	-	-
Red - Green colour	<b>67604</b>	1	-	-
Red - Blue colour	<b>67605</b>	1	-	-
Red - Yellow colour	<b>67606</b>	1	-	-

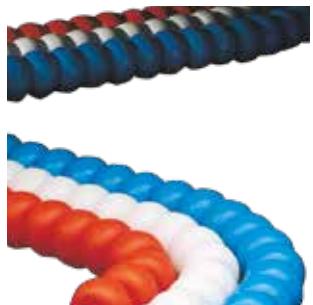
**Sydney model**

Range comprising lane ropes with an external Ø of 148 mm in accordance with FINA international swimming federation regulation FR 3 for pools for Olympic Games or world championships. Supplied assembled with floats, 6 mm stainless steel rope (code 28808), tightener (00208) and spring (01468).



	Code	Pack. Standard	Weight kg Standard	Volume in m <sup>3</sup> Standard
<b>12,5 m*</b>				
White colour	<b>67607</b>	1	-	-
<b>16,5 m White colour</b>				
White colour	<b>67608</b>	1	-	-
<b>25 m</b>				
Red - White colour	<b>67609</b>	1	-	-
Red - Green colour	<b>67612</b>	1	-	-
Red - Blue colour	<b>67613</b>	1	-	-
Red - Yellow colour	<b>67614</b>	1	-	-
<b>33 m<sup>3</sup>/h</b>				
Red - White colour	<b>67610</b>	1	-	-
<b>50 m</b>				
Red - White colour	<b>67611</b>	1	-	-
Red - Green colour	<b>67615</b>	1	-	-
Red - Blue colour	<b>67616</b>	1	-	-
Red - Yellow colour	<b>67617</b>	1	-	-

\* Available in other colours (blue, green, yellow)

**Roma model**

Supplied assembled with floats, 7 mm polyester rope (code 00210), tightener (00209) and hook (00207).

	Code	Pack. Standard	Weight kg Standard	Volume in m <sup>3</sup> Standard
<b>12,5 m White colour</b>	<b>67618</b>	1	-	-
<b>16,5 m White colour</b>	<b>67619</b>	1	-	-
<b>25 m Orange - White</b>	<b>67620</b>	1	-	-
<b>33 m Orange - White</b>	<b>67621</b>	1	-	-
<b>50 m Orange - White</b>	<b>67622</b>	1	-	-

\* Available in other colours (Blue, Green, Red)

It is possible to supply any length, colour combination and rope.

## LANE ROPES



### MMoscow model

Supplied assembled with floats, 7 mm polyester rope (code 00210), tightener (00209) and hook (00207).

		Code	Pack. Standard	Weight kg Standard	Volume in m <sup>3</sup> Standard
12.5 m	White colour	67623	1	-	-
16.5 m	White colour	67624	1	-	-
25 m	Orange - White	67625	1	-	-
33 m	Orange - White	67626	1	-	-
50 m	Orange - White	67627	1	-	-

\* Available in other colours (Blue, Green, Red)

## FLOATS



### BCN03 model

Supplied with inner turbine mechanism.

	Code	Pack. Standard	Weight kg Standard	Volume in m <sup>3</sup> Standard
Colour white	28204	-	-	-
green	28425	-	-	-
Blue	28423	-	-	-
red	28424	-	-	-



### Sydney model

	Code	Pack. Standard	Weight kg Standard	Volume in m <sup>3</sup> Standard
Colour white	54032	-	-	-
yellow	54031	-	-	-
Blue	54028	-	-	-
red	54029	-	-	-
green	54030	-	-	-

### Moscow model



#### Moscow propeller:

	Code	Pack. Standard	Weight kg Standard	Volume in m <sup>3</sup> Standard
Colour white	00161	150	7.0	0.070
orange	00162	150	7.0	0.070
Blue	00163	150	7.0	0.070
red	00164	150	7.0	0.070



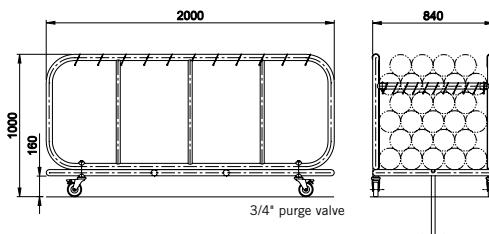
#### Rome floaters:

	Code	Pack. Standard	Weight kg Standard	Volume in m <sup>3</sup> Standard
Colour white	00149	500	7.0	0.110
orange	00150	500	7.0	0.110
Blue	00151	500	7.0	0.110
red	00152	500	7.0	0.110

**+ info****PDB**  
Product DatabaseConsulte + info en **PRODUCTOS.**  
[www.astralpool.com](http://www.astralpool.com)**LANE ROPE STORAGE EQUIPMENT****BCN03 Lane rope storage basket**

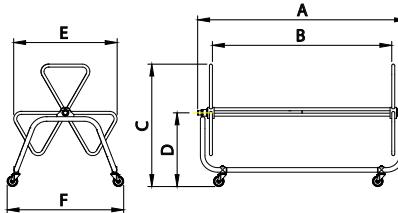
A new trolley designed to transport and store the BCN03 Lane ropes after use in the swimming pool. The BCN03 lane rope storage basket is manufactured of AISI-316 Stainless Steel and includes a PVC bag for collecting excess water from the float lines. Due to the bag's bottom outlets, it is emptied in a controlled manner with no water spillage. The trolley has four castor wheels for maximum mobility. Two of these fitted with brakes. It can store a lane rope up to 50 m long (or 2 of 25) and can be used for all lane rope models.

Code	Pack. Standard	Weight kg Standard	Volume in m <sup>3</sup> Standard
<b>28623</b>	1	55.0	0.389

**Lane rope roller**

Made in Stainless Steel AISI-304, fitted with a large wheel for operation. It is mounted on 4 castor wheels for easy handling. Two of these are fitted with brakes.

Code	Pack. Standard	Weight kg Standard	Volume in m <sup>3</sup> Standard
Width 1.2 m	58860	1	27
Width 1.8 m	58859	1	32

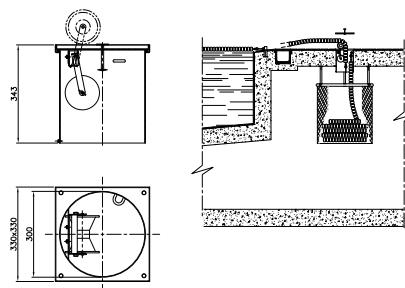
**NUMBER OF LANE ROPE COLLECTED**

Code	A	B	C	D	E	F
58860	1415	1125		1165	690	970
58859	2015	1725				1085

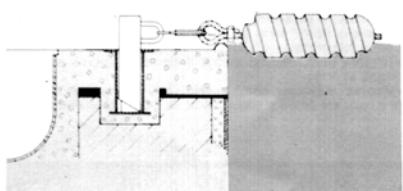
**Under deck lane rope storage system**

Made of AISI-316, allows the storage of the float lines beneath the deck. The float line box is embedded in the pool surround and holds the retractable reel over which the float line slides into the hole. This unit can be complemented with a lane rope collecting bag if required.

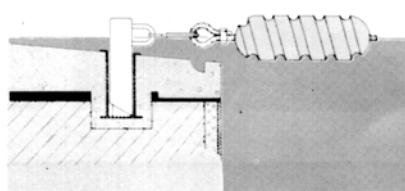
Code	Pack. Standard	Weight kg Standard	Volume in m <sup>3</sup> Standard
<b>15842</b>	1	12.8	0.08



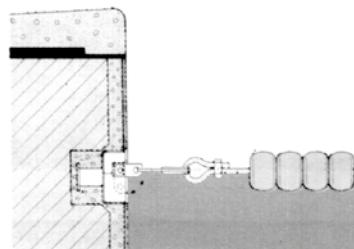
## LANE ROPE ACCESSORIES

Zurich/Wiesbaden installation diagram  
WiesbadenAnchor  
Lane rope support code 00141  
code 00140

Finnish type installation diagram

Anchor  
Lane rope support code 00142  
code 00140

Standard Installation diagram

Anchoring cup code 09206  
code 09207  
code 00205  
code 00206

## Lane rope anchor



Made in Stainless Steel AISI-316. To use with anchoring fixture 00141 and 00142.

Code	Pack. Standard	Weight kg Standard	Volume in m <sup>3</sup> Standard
00140	2	0.63	0.003

## Concrete anchoring cup with central rod



Made in Stainless Steel AISI-316.

For concrete pool

Code	Pack. Standard	Weight kg Standard	Volume in m <sup>3</sup> Standard
09206	1	0.4	0.001

## Concrete anchoring cup with central rod



Made in Stainless Steel AISI-316.

For pre-fabricated pools  
with flange, gasket and screws

Code	Pack. Standard	Weight kg Standard	Volume in m <sup>3</sup> Standard
09207	1	0.5	0.001

## Retractable anchoring cup



Made in Stainless Steel AISI-316.

For concrete pool  
with a retractable hook

Code	Pack. Standard	Weight kg Standard	Volume in m <sup>3</sup> Standard
00205	1	0.46	0.001

**+ info****PDB**  
Product DatabaseConsulte + info en **PRODUCTOS.**  
[www.astralpool.com](http://www.astralpool.com)**LANE ROPE ACCESSORIES****Retractable anchoring cup**

Made in Stainless Steel AISI-316.

For pre-fabricated pools  
with retractable hook,  
flange, gaskets and screws

Code	Pack. Standard	Weight kg Standard	Volume in m <sup>3</sup> Standard
<b>00206</b>	1	0.6	0.001

**Lane rope ratchet**

Chrome plated brass.

Code	Pack. Standard	Weight kg Standard	Volume in m <sup>3</sup> Standard
<b>00208</b>	1	0.97	0.002

**Lane rope ratchet**

Stainless Steel AISI-316.

Code	Pack. Standard	Weight kg Standard	Volume in m <sup>3</sup> Standard
<b>00209</b>	1	0.2	0.001

**Lane rope spring**

AISI-204 stainless steel with rope fastener.

Code	Pack. Standard	Weight kg Standard	Volume in m <sup>3</sup> Standard
<b>01468</b>	1	0.62	0.002

**Lane rope hook**

Stainless Steel AISI-304.

Code	Pack. Standard	Weight kg Standard	Volume in m <sup>3</sup> Standard
<b>00207</b>	100	5	0.01

## LANE ROPE ACCESSORIES



### Cords and cables

	Code	Pack. Standard	Weight kg Standard	Volume in m <sup>3</sup> Standard
Ø 6 mm polyester rope	00210	110 m	2.0	0.090
AISI-316 stainless steel cable				
Ø 4 x 6 mm with plastic coating DIN 3055	00211	-	0.1	0.001
BCN03 cable Stainless Steel				
Ø 6 mm without plastic coating	28808	-	-	-

## SIGNAGE



### False start indicators

Please indicate pool width when placing your order.

Comprises 2 posts in S.S. AISI-316 (one with pulley and quick release cord). Height 1.8 m. Anchoring socket not included.

#### False start posts:

- Pool width up to 21 m
- Ø 43 mm pipe for use with anchoring sockets 00141 and 00142
- Pool width over 21 m
- Ø 48 mm pipe for use with anchoring sockets 19960 and 19961

#### False start floats:

Polyester cord and floats

	Code	Pack. Standard	Weight kg Standard	Volume in m <sup>3</sup> Standard
	19950	1	5.6	0.01
	19951	1	9.4	0.01

19954

**NOTE:**  
You must state the pool dimensions on placing your order.



### Backstroke turn indicators

Please indicate pool width when placing your order.

Comprises 4 posts in Stainless Steel AISI-316. Height 1.8 m. Anchoring sockets not included.

	Code	Pack. Standard	Weight kg Standard	Volume in m <sup>3</sup> Standard
	19952	1	11.2	0.03
	19953	1	20.0	0.03

19955

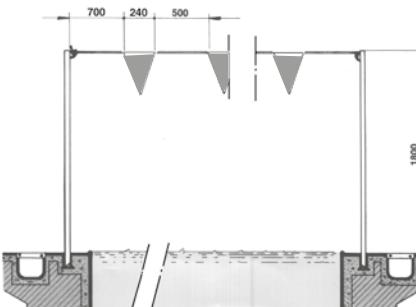
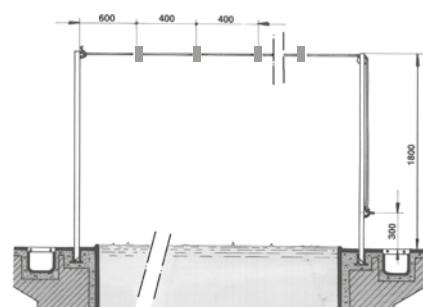
**NOTE:**  
You must state the pool dimensions on placing your order.

#### Backstroke turn indicator posts

- Pool width up to 21 m
- Ø 43 mm pipe for use with anchoring sockets 00141 and 00142
- Pool width over 21 m
- Ø 48 mm pipe for use with anchoring sockets 19960 and 19961

#### Backstroke turn indicator bunting

2 units



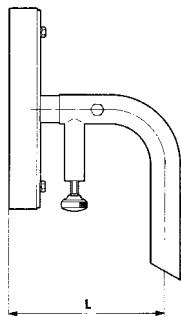
**+ info****PDB**  
Product DatabaseConsulte + info en **PRODUCTOS.**  
[www.astralpool.com](http://www.astralpool.com)**TURNING PANELS****Turning panels**

In Stainless Steel AISI-316 with plastic lattice screen. Height 300 mm. Fixing support (00139) is not included

	Code	Pack. Standard	Weight kg Standard	Volume in m <sup>3</sup> Standard
Lane width 2 m	00137	1	13.6	0.040
Lane width 2.5 m	00138	1	16.5	0.051

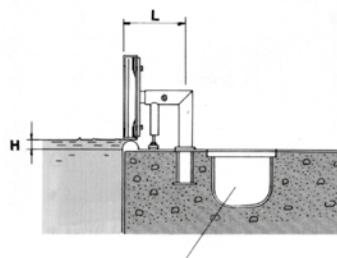
**NOTE:**

You must state the pool dimensions and depths on placing your order.

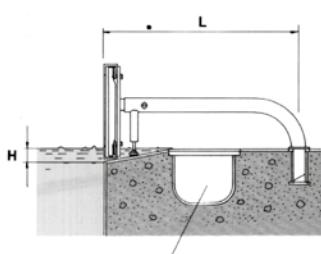
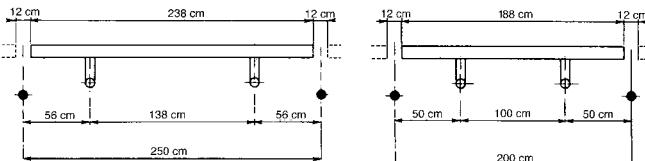
**Bracket**

AISI-316 stainless steel (for coupling to 00141 and 00142 fasteners). State H and L dimensions and type of overflow channel when placing an order. A minimum of two units are required for each rotating panel.

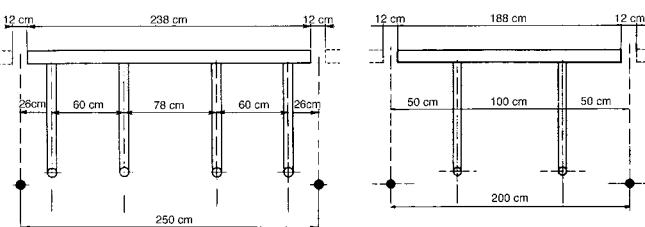
Code	Pack. Standard	Weight kg Standard	Volume in m <sup>3</sup> Standard
00139	1	4.0	0.054



**ANCHORING DETAILS WHEN  
MEASUREMENT «L» IS LESS THAN 500 mm.**



**ANCHORING DETAILS WHEN  
MEASUREMENT «L» IS OVER 500 mm.**



## ATTACHMENTS FOR COMPETITION EQUIPMENT



Horizontal flange anchoring sockets

**Zurich-Wiesbaden.** In S.S. AISI-316.For Ø 43 mm pipe.  
For Ø 48 mm pipe.

Code	Pack. Standard	Weight kg Standard	Volume in m <sup>3</sup> Standard
00141	2	1.17	0.002
19960	2	1.3	0.002



Angled flange anchoring socket

**Finnish.** In S.S. AISI-316.For Ø 43 mm pipe.  
For Ø 48 mm pipe.

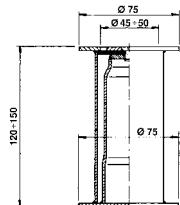
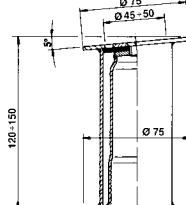
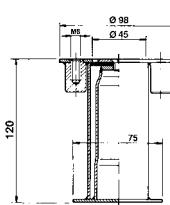
Code	Pack. Standard	Weight kg Standard	Volume in m <sup>3</sup> Standard
00142	2	1.13	0.002
19961	2	1.26	0.002



Anchoring socket with locking bolts

**With bolts.** In S.S. AISI-316.

Code	Pack. Standard	Weight kg Standard	Volume in m <sup>3</sup> Standard
00143	2	1.47	0.003

code 00141  
Code 19960code 00142  
Code 19961

Code 00143

## WATER POLO GOAL



Water polo goal

New

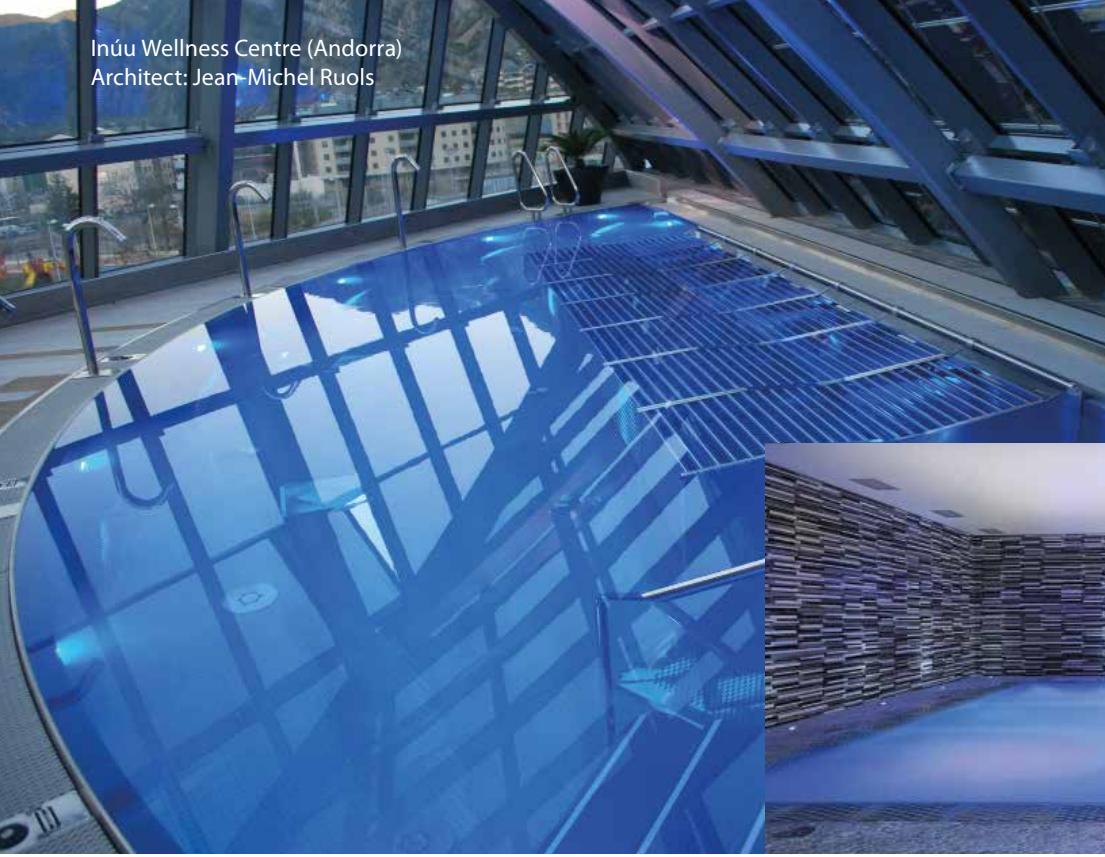
The water polo goal is lightweight, floating and very resistant. It is built entirely from aluminium and is oven-painted white.

Manufacturing and measurements in accordance with FINA international swimming federation standards.

- Floating: Polyurethane foam-filled aluminium floats.
- Goal frame: 80 x 50mm aluminium tube
- Net fastening: 6 mm stainless steel round rod.
- Net side pipe: 23 mm stainless steel round pipe with fastening in frame and float.
- Fastening for goal lines.
- Nets included.

Official water polo goal kit

Code	Pack. Standard	Weight kg Standard	Volume in m <sup>3</sup> Standard
69654	1	-	-



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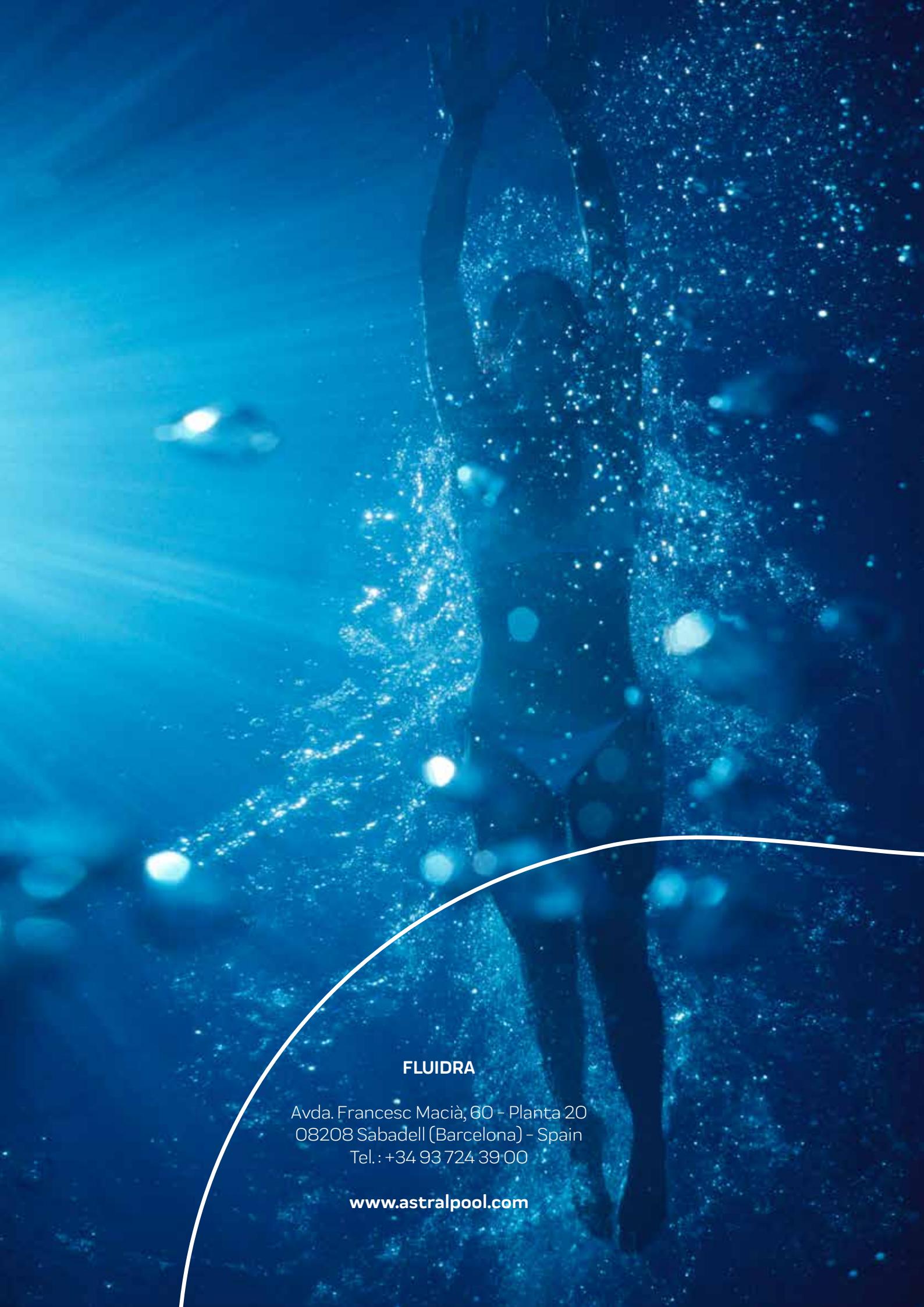
## Notes

## Notes

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# FOUNTAINS

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# GENERAL SPA & POOL CATALOGUE 2019