ARISTON

The home of sustainable comfort

Gas boilers and accessories

HOT WATER ⌂ HEATING ⌂ RENEWABLE

The home of **sustainable comfort**

As a leading specialist in heating and water-heating with over 90 years of history, Ariston understands well the challenges in creating practical and high-performance products and systems that guarantee exceptional levels of comfort and efficiency. That is why it has set itself a new mission – to give more homes access to sustainable comfort solutions using less energy and effort.

To this end, it has further strengthened its commitment to delivering high-quality, renewable and energy-efficient solutions that can simplify and improve the quality of home life while empowering people to live more sustainably.

By successfully combining its global reach with an in-depth focus on the needs of the different markets where it has a presence, Ariston prides itself in being the home of sustainable comfort: a reference brand trusted worldwide by millions of families and industry professionals longing for advanced thermal comfort solutions that not only are easy to use and maintain but also use as little energy as possible.

Our story, driven by your needs

Ariston's continuous growth has been fueled by its commitment to provide people with reliable and highly-efficient comfort solutions to improve and enjoy life at home.
Each step of the way we have been driven by the existing and emerging needs of our customers, and our solutions have been conceived with their lifestyle in mind.

'30s Foundation

Aristide Merloni founds "Industrie Merloni" company in the Marche Region of Italy, and starts the production of weighing scales.

'80s Heating

We consolidate our market leadership in water heating and the production of boilers begins.

'60s **Water** heating

The Ariston brand is launched and the production of electric water heaters begins.

'90s

Global expansion

With the launch in China and Russia, we begin to evolve into a global brand.

'10s

Ariston Comfort Challenge

With this mission, Ariston proved the ability of its products to guarantee exceptional performance, durability and efficiency's levels in every condition, even where it seems impossible. It was a huge challenge, but it was just the beginning.

'00s

Renewable technologies

We successfully develop and launch our new model in heat pump, which marks our development into innovative and sustainable heating technology.

'20s

The home of sustainable comfort

We strengthen our commitment to providing our end-users with products that generate heating and hot water in the most efficient and renewable way possible. A tangible sign of our dedication to respecting everything that surrounds us.

Why **choose Ariston?**

We are a global **thermal comfort specialist**

Standing out as global leader in heating and water-heating with more than 90 years of expertise, Ariston boasts an extensive product and service portfolio equally focused on the provision of renewable and high-efficiency heating and hot water solutions. With its proven ability to meet the local needs of every country where it has a presence, our company is trusted and welcomed by millions of families around the world, while also being the preferred choice for thousands of professionals.

Water Heating

Market leader in

40+ countries

Heating

Market leader in

10+ countries

We are masters of **renewable and high-efficiency solutions**

Sustainable comfort lies at the heart of our company and our commitment is to provide our customers with products and systems that generate heating and hot water in the most efficient and renewable way possible, whatever their energy source. Choosing Ariston means gaining access to a broad and comprehensive range of high-performance and easy-to-use solutions that not only will play a significant role in the reduction of energy bills, but also represent the perfect upgrade for a more sustainable home thanks to smart connectivity and the latest technologies being developed for environmentally-friendly heating and water heating.

30%

local centres of competence for product research and development in 5 continents*

66%

of turnover coming from products dedicated to climate change mitigation and adaptation 1,2

Efficient
hybrid systems
tailored for every need

Commitment to frontier R&D
(Hydrogen, gas absorption heat pump, demand-response, natural refrigerants)

Connectivity in all Heating and Water Heating segments

*The data refer to Ariston group, worldwide portfolio of solutions.

We are dedicated to **enduring quality**

Our products and solutions are made to last, so are of the highest quality. We achieve this by using the best components and materials available and through rigorous checks taking place before, during and after production. For maximum serenity, every product we sell comes with a solid warranty. But not only that; anyone purchasing one of our products can be reassured there will always be a point of contact available to deal with anything.
High standards of quality apply to all our processes and functions: our facilities are involved in a continuous performance and quality monitoring process, constantly improving every aspect of manufacture, plant maintenance and distribution logistics.

100%
checked and tested products

>95%
Extra quality certification issued by reliable third-parties

High-quality
after-sales service
always available

Effective
warranty

*The data refer to Ariston group, worldwide portfolio of solutions.

We are champions of **home and planet**

Italian in origin, since its founding in 1930 Ariston has been synonymous with innovation and sustainability and has been driven by the mission to make every home a haven of comfort – while maintaining a strong focus on the environment. As a leading global brand, we now feel at home in almost every part of the world. And because we see the world as the home we all share, we develop products and solutions that represent an accessible and effective way for anyone to improve and enjoy life at home while making more responsible and energy-conscious choices.

2030 Ariston Group
ESG Plan

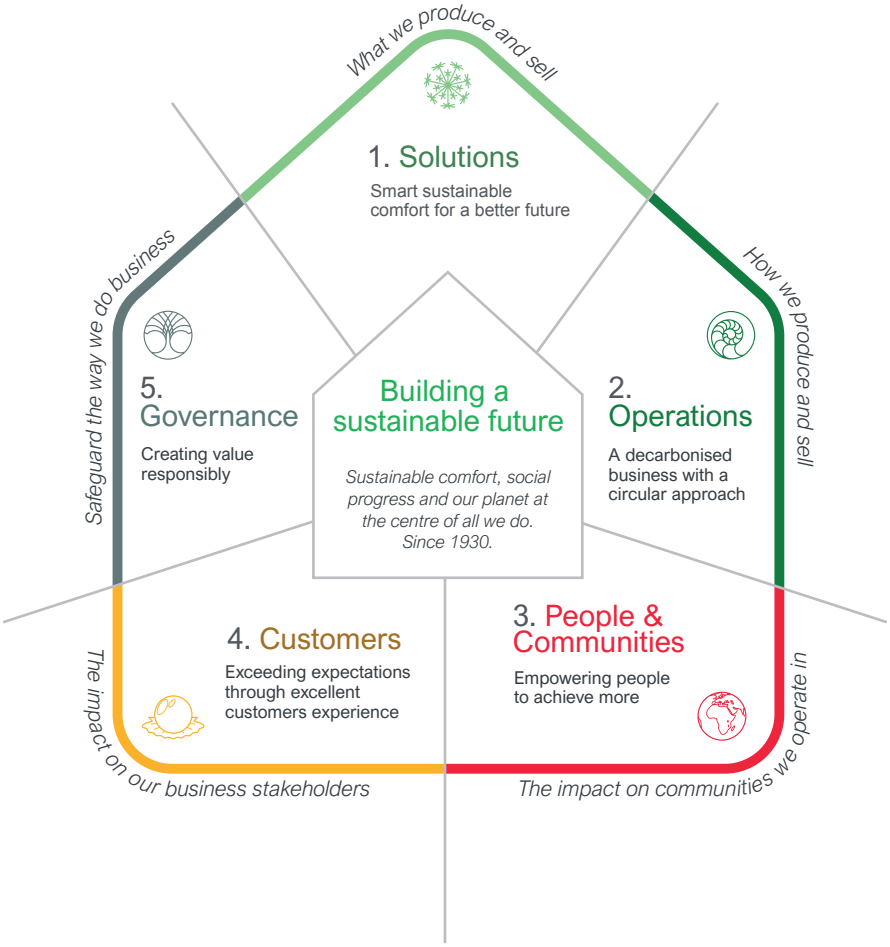
Believe in **future**

Our purpose is to provide everyone, in every corner of the world, with high-quality heating and water heating solutions, while protecting the environment and society.

As a leading actor of sustainable development, the Company is aware that sustainability means a long-term vision and objectives, which can be achieved only through a solid path of actions and initiatives.

With this purpose in mind, the Group's 2030 ESG roadmap sets out a detailed and structured plan built on short- and medium-term targets, which will eventually lead the Company to the achievement of its ultimate 2030 targets.

The 5 engagement areas that define the key pillars on which Ariston Group has set its ESG strategical direction include solutions, operations, customers, people & communities and sustainable governance.



Some of the goal we have set to ourselves:

100mio

tCO2e emission avoided thanks to the renewable and high efficiency products we sell in the regions we operate like Heat Pumps, Hydrogen, Low Fuel, Low NOX

42%

Scope-1 and Scope-2 absolute GHG emissions reduction (2021 base year). Implementing initiatives related to WCM methodology, use of photovoltaic in plants.

100%

Strategic Suppliers aligned with our ESG journey with a strict selection of partners and digitalization of supply chain.

>85

Quality score per year in the cumulative Group Quality Excellence index (GQE index)

To discover more about the committment of Ariston Group toward the future, please visit **www.aristongroup.com**

Smart connected services

The easy way to comfort and energy saving

Our product range includes a variety of WI-Fi enabled thermal comfort solutions that can be controlled remotely using a smartphone or through all the main smart home platforms.

Connectivity allows users to to have domestic comfort under control, keep an eye on consumption, avoid energy waste and receive remote assistance without a visit from the technician, thus making life simpler for both end customers and professionals.

At the center of your connected home

Enjoy all the benefits of a smart home, where everything is perfectly integrated and easily controlled. Ariston NET is designed to provide you with maximum comfort while ensuring seamless operation and compatibility with leading IoT solutions".

Use **voice control** to manage all your connected heating and water heating products.
Just say a word!

*Voice control & Apple/Amazon/Google integration are available for selected heating products.
Refer to product pages for the details on the compatibility.

VOICE CONTROL

Ariston NET

Home gets smarter, life gets simpler

Ariston NET

Comfort always at your fingertips, wherever you are

Manage and control your Ariston products easily and wherever you are: set a schedule, change operation mode, control your heating and hot water temperature, adjust your indoor temperature based on your location, and ensure your water is hot only when you need it.

Ariston NET is designed for you and your comfort, with a simple and intuitive Interface, to provide you with the best possible user experience.

Save on your bill while helping the planet

Save on your bills by **monitoring your energy consumption**, and **avoid energy waste** by remotely controlling your heating and water heating systems.

Ariston NET provides energy reports and tips so you can be more aware and build good habits **saving up to 25% of energy!***

Your awareness is the beginning of the journey to build our sustainable future.
Because saving means caring.

Get prompt Assistance

Ariston NET is a smart way to get prompt assistance helping you identify any technical problem and get them fixed as quickly as possible. Find all the information you need without any effort: the error code and description to facilitate technical assistance, and the details of your nearest service center.

* Estimated saving up to 25% on daily basis, compared to Ariston standard mechanical products.

Discover all the functions of Ariston NET
for connected heating solutions

Easy Control

\ Temperature setting
\ Operating modes
\ Smart Programming
\ Geo-fencing
\ Optimum start
\ Smart scheduling
\ Hot water management
\ Advanced appliance settings
\ Voice control

Energy Saving

\ Energy monitoring
\ Energy advice
\ Proactive saving
\ Emailed energy report

Prompt Assistance

\ Error notification
\ Find nearest Service Centre
\ Service Center's contact details
\ Remote Assistance with Active Care


ARISTON
SERVICE

Pre-Sales and After-Sales technical support

Our services

We are always at your side In all phases of the realization of a project.

From the design of a plant, to the construction of the system itself and even after commissioning, a team of Ariston specialists is constantly available to provide support and assistance.

PRE-SALES

A team of technicians and engineers offer their support and their experience in the design of key-on-hand solutions, providing them with products, designs and maintenance services.

The pre-sales team provides every day specialist consultancy and timely responses on the technical characteristics of installations.

The technical team is the right interlocutor with whom interface for design and maintenance of complex plants.

AFTER-SALES

Our qualified Service Network provides technical support for startup, maintenance, troubleshooting and repair interventions, by remote and on field as well.

Our mission is to deliver high level of service, through solid know-how and quality of genuine spare parts, in order to ensure the Ariston products performance, long term reliability and make them exceed the Customer expectations.

ERP

Are you up-to-date with the new regulations?

Since 26 September 2015, the new European Union regulations define minimum efficiency and energy labelling requirements for boilers, heat pumps, micro-cogeneration, water heaters and hot water tanks.

On 26 September 2018 have been introduced new limits of NOx emissions, in addition to the efficiency limits already in force. The NOx limits have been applied to products placed on the market starting from 26 September 2018. Products purchased before that date and already in retail outlets or distribution warehouses can continue to be sold and installed, even though they do not comply with the new requirements.

26.09.2015

A++ (space heating) / **A** (water heating)

Compulsory labelling on space heating and water heating products (energy class)

2017

A+

introduced for domestic hot water production

26.09.2018

26.09.2019

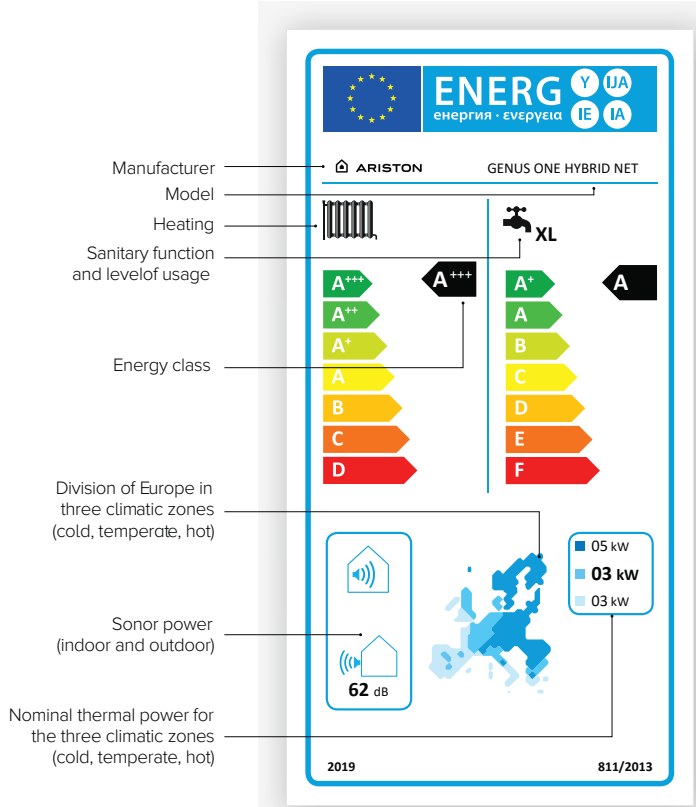
A+++

introduced for space heating

ErP ENERGY RELATED PRODUCTS

Minimum performance requirements for space heating and domestic hot water production

New limits for NOx emissions < 56 mg/kWh (for gas fuels)



Energy label of a boiler

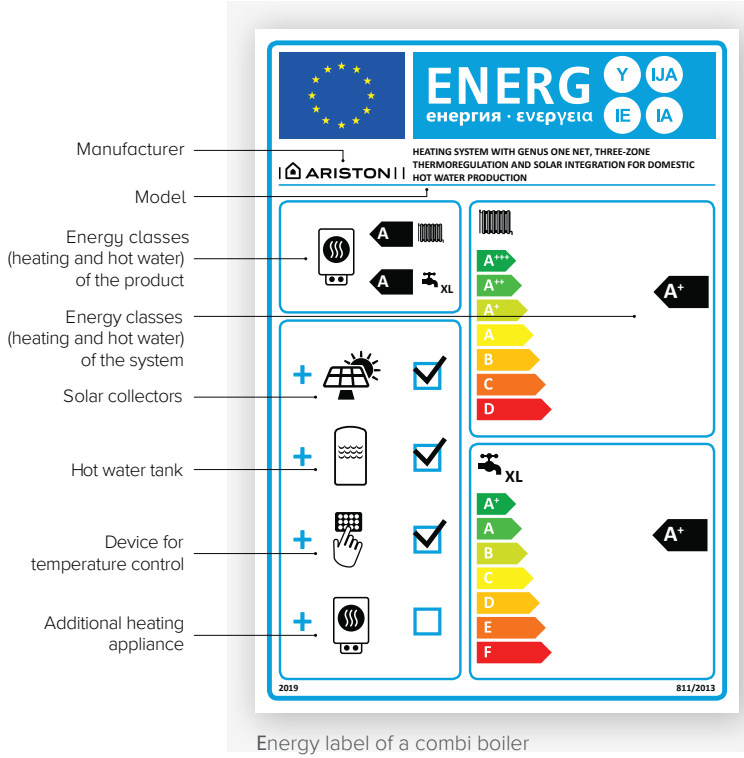
Product label

There are different labels, depending on the type of product and service guaranteed.

The efficiency classes A, A+ and A++ indicate the products with higher performance.

There are two different classifications for the heating and water production services; for products which can provide both services, labels must show both the classifications.

In addition to the energy class, the labels display information to help consumers choosing the most efficient prodcts with less environmental impact (power consumption in different weather areas noise, etc...).



Energy label of a combi boiler

System label

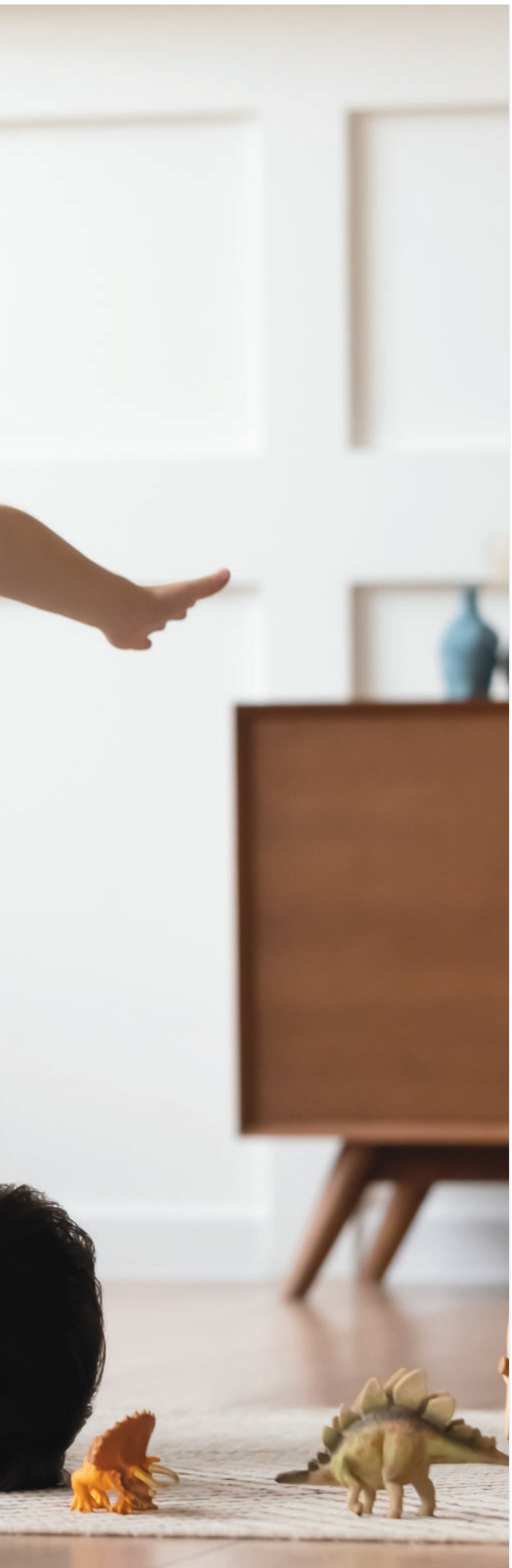
All devices for which it is proposed (or expected) a combination with predefined devices, must have a second label, in addition to the product label and technical documentation, advertising and promotional materials showing its performance.

Who sells these systems will be responsible for define the achieved performance (through an automatic algorithm) and inform his client.

In this catalogue

Equivalent Capacity value mentioned in this catalogue identifies a product category.
Storage volume is specified in technical documents included in the product.

Condensing boilers



Whether wall-hung or floor-standing, Ariston condensing boilers offer high efficiency performances and substantial energy savings through effective reuse of the heat produced in the combustion process.
Easy and intuitive to use, they are the right choice for those who
wish to reduce their energy bills and protect the environment.

- One series

One+ NET
Wi-Fi Condensing Range

READY FOR
20% H_2

The new Wi-Fi condensing range **ready for 20% H_2**
for extra comfort & full heat management

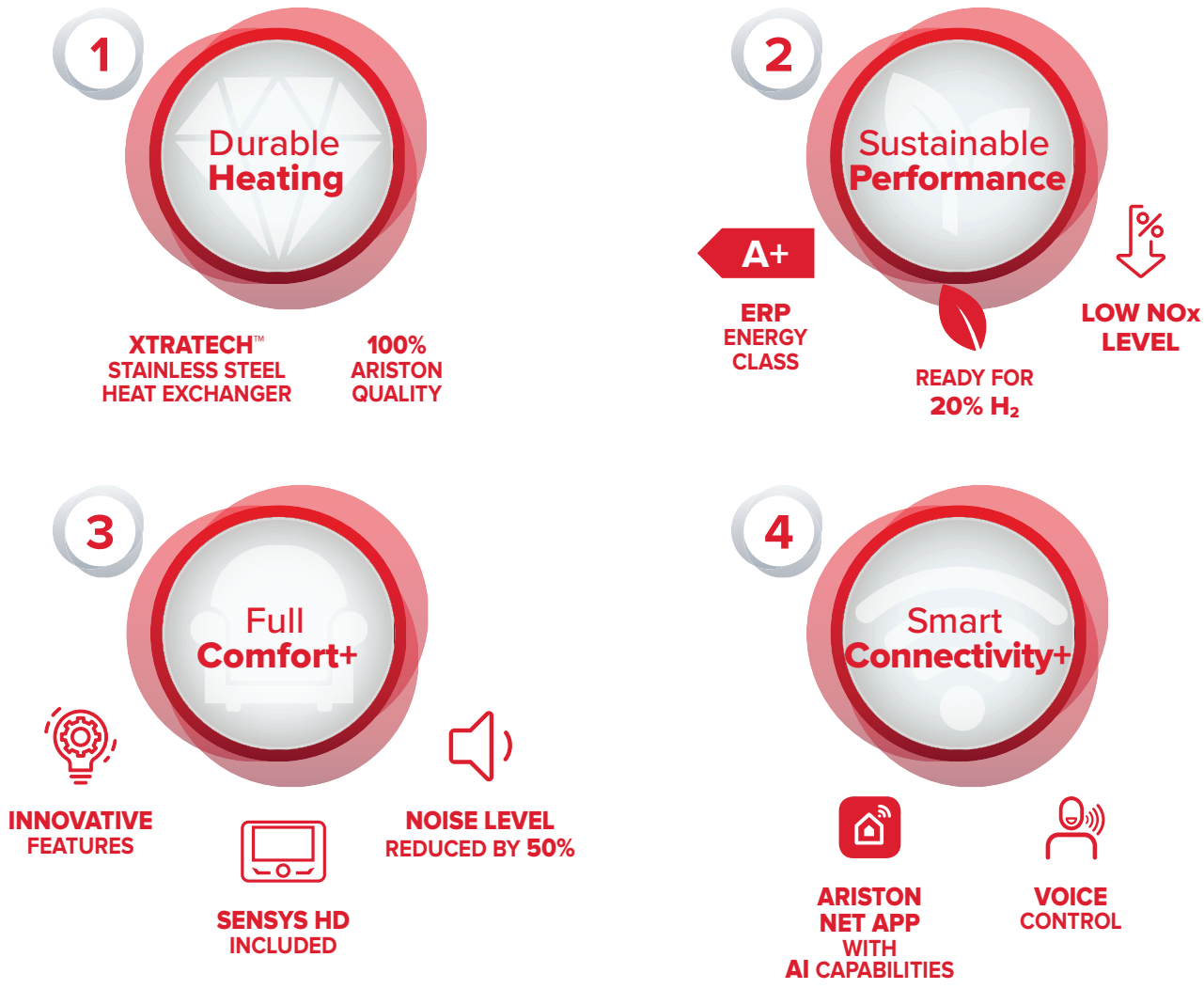
Hi-tech, **Hi-Comfort. PLUS**

Benefitting from the One series' condensing technology and upgraded with new advanced features, the new Ariston condensing wall-hung boiler range stands out for its enhanced performance, durability and efficiency, but it's also a more environmentally-friendly option, as it can now run on hydrogen enriched natural gas.

The boilers combine modern Italian design with hi-tech materials and are equipped with Sensys HD*, the innovative system interface for easy and accurate control over comfort.

All of One+ NET boilers offer built-in Wi-Fi compatibility which makes them ready for Ariston NET. The app allows for easy smartphone control, energy savings and remote assistance**. But not only that: with the new Ariston NET's AI capabilities you can choose to let your boiler create a custom heating experience and take active care of your system.

Choose One+ NET and achieve a new level of comfort provided by its **Per4mance System+**.



A+ class achieved with thermoregulation accessories (Sensys NET HD with Netweather functionality or Sensys HD + external sensor).

1 Durable **Heating**

Enduring quality inside and out

One+ NET are engineered for exceptionally long life and designed to ensure reliable comfort day after day, even in extreme conditions.

Maximum durability

The patented XtraTechTM stainless steel heat exchanger is the heart of One+ NET condensing technology. It enables the product to deliver consistent and dependable heating performance over time.

PREVIOUS HEAT EXCHANGER

XTRATECH™ HEAT EXCHANGER

The larger pipes improve the water flow, thus **increasing heating performance** and **preventing the risk of debris blockage**.

TÜVRheinland CERTIFIED
www.tuv.com
ID 0000056520

Performance guaranteed by TÜV certification.

Proven Ariston quality

The new boilers are made with sturdy and durable materials and fitted with state-of-the-art components and technology ensuring the highest standards of quality.

WORLD CLASS MANUFACTURING

In Ariston's world-class production hubs, excellence in industrial manufacturing is pursued through constant updates and improvements of processes, always focusing on product quality, the environment and safety.

100% MADE BY ARISTON

All system components and software are developed in-house by Ariston experts to ensure long-lasting performance, high-efficiency, and extended product life.

100% AUTOMATICALLY CHECKED AND TESTED

Before leaving the plant, One+ NET undergoes a fully automated quality, safety and efficiency testing process with instantaneous tracking capability.

2 Sustainable **Performance**

A more energy-conscious home

One+ NET is very energy efficient and offers a more environmentally-friendly way to heat your home.

Energy class A+

The range achieves class A+ energy performance thanks to the synergy between.

/ The brand-new Ignition-System+, that automatically detects the gas characteristics to improve combustion performance;

/ The advanced thermo-regulation accessories;

/ The outdoor temperature data received from the internet.

Lower environmental impact

One+ NET boilers are also a perfect choice to help you preserve our planet.

/ They are able to self-regulate and run properly and safely using natural gas mixtures enriched with up to 20% hydrogen*.

/ They have a reduced NOx level of 25mg/kWh, 55% lower than the maximum limit required for class 6 resulting in more environment-friendly performance.

3 Full **Comfort+**

A next-level heating experience

A unique set of innovative features devised to bring extra comfort into your home, in the most efficient and convenient way.

Stable and consistent heating

The new Flow Control System+ enhances the optimization of the water flow to ensure the same level of comfort in each room.

Perfect pressure control

The Hydro Sensor automatically monitors the system pressure and displays an alert to notify when system filling is required.

Ultra-quiet operation

Thanks to their state-of-the-art insulated panels and technologies, the boilers produce about the same noise level as the one in a library.

360° control over comfort

One+ NET comes with Sensys HD included*. Equipped with the BUS BridgeNet® protocol, this innovative system interface will become the control center of your home comfort.

With Sensys HD system interface you can

/ Easily create a daily and weekly temperature schedule

/ Set up different temperatures for up to six different zones within your home

/ Choose between different modes and special functions according to your needs and preferences

4 Smart **Connectivity+**

Smartly connected to you

One+ NET allows you to have perfect control over your comfort, and also offers new AI capabilities for more peace of mind.

Ariston NET APP

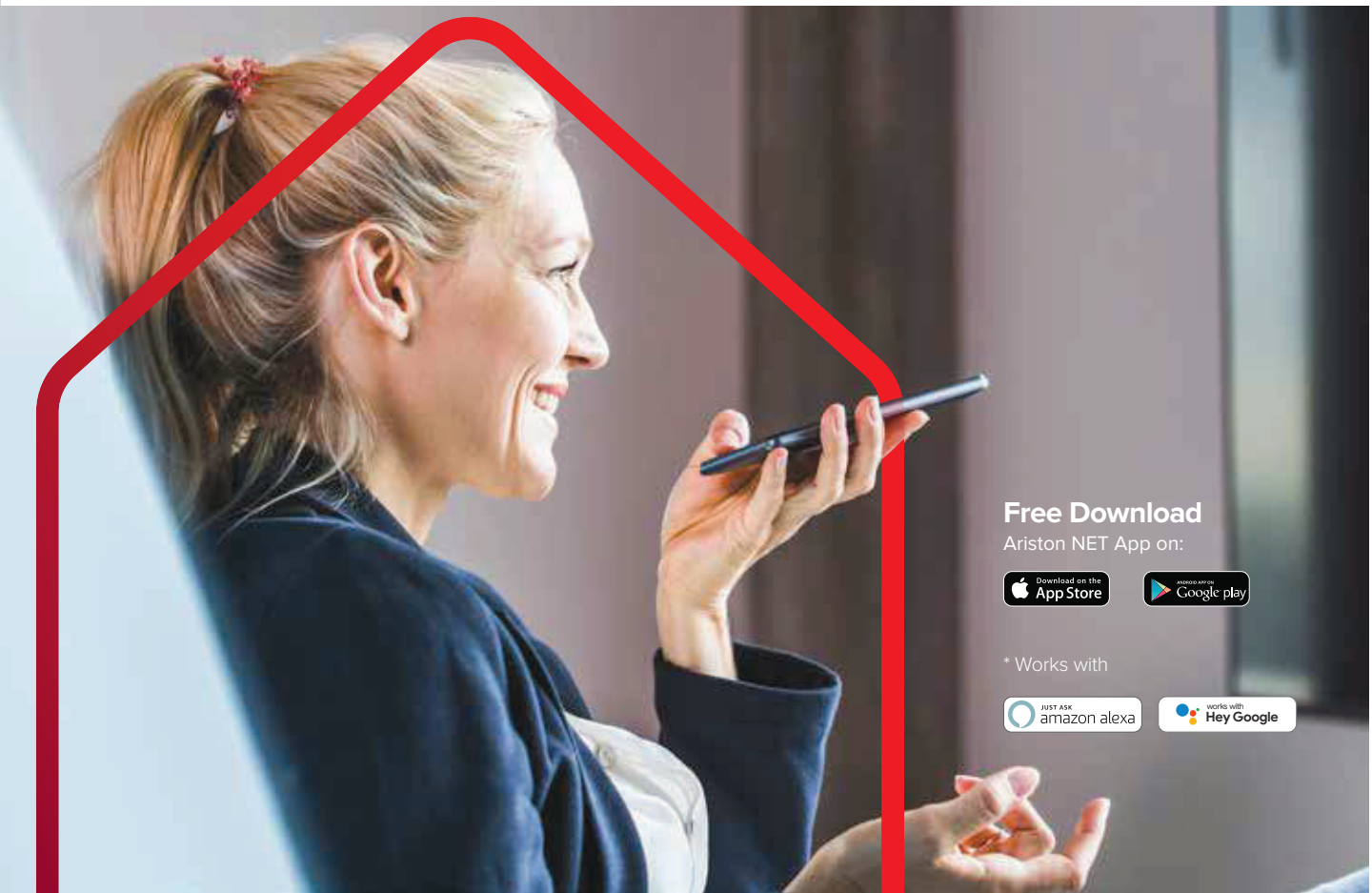
ARISTON NET

All models are equipped with always-on connectivity. That means you can manage them remotely, optimise energy consumption and receive continuous remote assistance* direct to your phone or tablet using the Ariston NET app.

All the advantages of Ariston NET

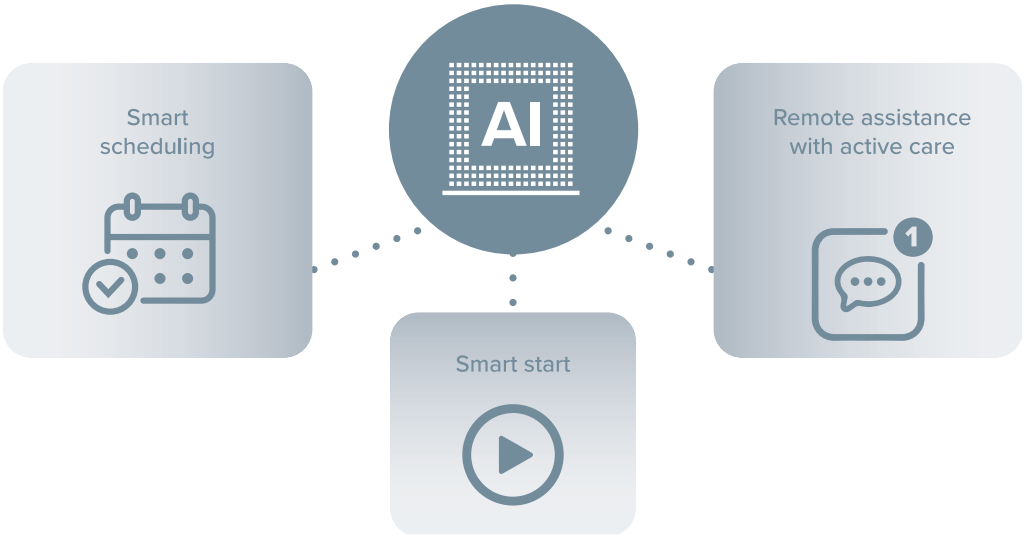
- Remote Control
- Voice control*
- Energy savings
- Real-time notifications & Remote assistance**

** Remote assistance is available through subscription to an Ariston NET after-sales service. Availability varies by country.



Home gets smarter, life gets simpler. With AI-powered comfort

With the new AI capabilities offered by Ariston NET, the benefits of smart comfort become even greater.



Smart scheduling: If you want, the boiler can learn from your habits and provide a tailormade weekly schedule that self-adjusts to meet your changing needs.

Optimum start: When this function is active, Ariston NET is able to recognize your home's thermal characteristics and start to preheat the home accordingly. That means the desired temperature when you need it, with minimal consumption.

Remote assistance with active care: If you subscribe to Ariston NET's remote assistance, your service centre will be able to monitor your system and correct faults before you experience any inconvenience. Thanks to AI, Ariston NET can even predict a drop in water pressure and inform you beforehand via a notification.

Premium Design

Perfect for your home

One+ NET boilers stand out for their exclusive and patented design, characterized by distinctive lines and sleek materials. Besides, they boast hi-tech interface that will make managing your home heating and a more seamless pleasant experience.

Italian contemporary look

Engineered and produced in Italy, the new One+ NET boiler is a contemporary and captivating creation of Umberto Palermo, the Italian designer behind all our award-winning products.

Elegant finishes

Glass frontal panel tempered
and scratch-resistant

LCD display with full text
and intuitive menu

Condensing Boilers

	ALTEAS ONE+ NET			GENUS ONE			CLAS ONE		
	24	30	35	24	30	35	24	30	35
SPACE HEATING ENERGY CLASS	A+*			A			A		
WATER HEATING ENERGY CLASS	A - XL		A - XXL	A - XL		A - XXL	A - XL		A - XXL
CONNECTIVITY	Built into the boiler			READY FOR with optional kit			READY FOR with optional kit		
DISPLAY	Large touchscreen display			Large touchscreen display			Large display, keys		
MODULATION	1:10			1:10			1:7		
HI-COMFORT FUNCTION	AUTO, Comfort, CARE			AUTO, Comfort, CARE			AUTO, Comfort		
GAS TYPE	NG, LPG			NG, LPG			NG, LPG with optional kit		
PAGE	40			42			46		

Alteas One+ NET

Top of the range condensing boiler italian designed and integrated connectivity

- / All-around comfort: new Ignition and Flow Control System+ for constant heating in every room with safety and precision but decreased noise perception by 50%.
- / Reduced consumption and environmental friendly: in A+ class heating, with H2 compatibility up to 20%.
- / Elegant italian design to match any home
- / Simplified control: via smartphone with Ariston NET intuitive app.

Features:

- / Large touchscreen display
- / Scratch proof tempered glass
- / Stainless steel Xtratech heat exchanger (+142% increased flow sections)
- / New Flow control + system
- / Busbridge net communication protocol
- / Auto, Comfort, Holiday and automatic scheduled maintenance reminder
- / Modulation ratio 1:10
- / Installation in partially protected areas

Energy Class

A

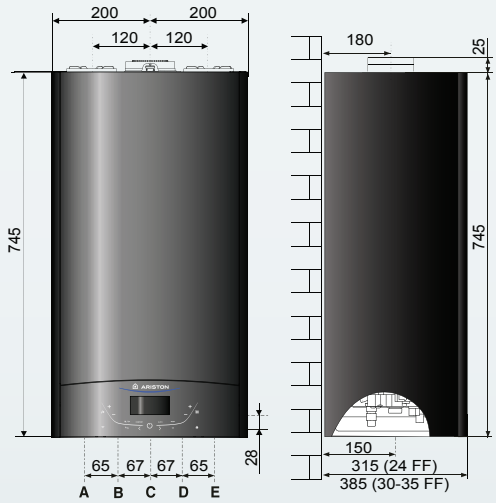
A+

ErP

XtraTech™ stainless steel heat exchanger

TÜV RHEINLAND GROUP PERFORMANCE CERTIFICATE

www.tuv.com ID 0000056520

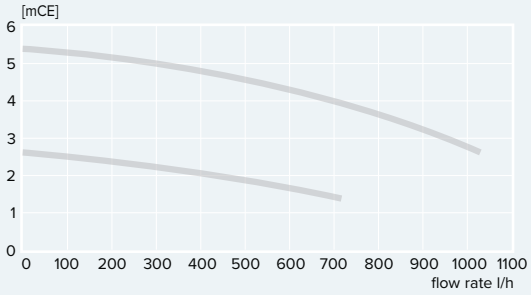


KEY

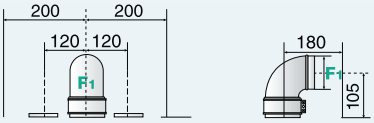
A \ System flow Ø 3/4" gas
B \ Domestic hot water outlet Ø 1/2" gas
C \ Gas inlet Ø 3/4" gas
D \ Domestic hot water intake Ø 1/2" gas
E \ System return Ø 3/4" gas

Sensys HD included

Boiler residual head

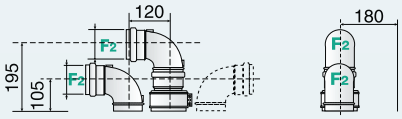


Version - Coaxial exhaust

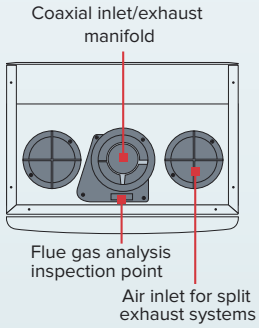


Maximum flue gas/air generation:
Ø60/100: up to 8m (24 kW) - up to 5m (30 kW and 35 kW)
Ø80/125: up to 21m (24 kW) - up to 14m (30 kW and 35 kW)

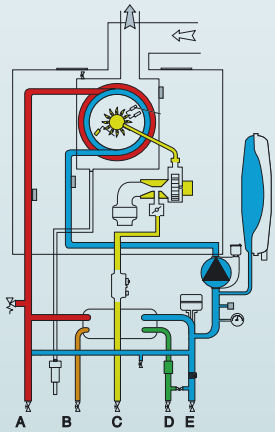
Versions - Split exhaust



Maximum flue gas/air generation:
Ø80/80: 38 (24 kW) - 28 (30 kW) - 29 (35kW)
Ø60/60: 7 (24 kW) - 5 (30-35kW)



Hydraulic circuit diagram



Description	N° of boilers per pallet
ALTEAS ONE NET 24	14
ALTEAS ONE NET 30 - 35	12

TECHNICAL DATA		24	30	35
GENERAL				
EC certification no.			0085CU20034	
Boiler type			C13(X)-C23-C33(X)-C43(X)-C53(X)-C63(X)C83(X)-C93(X) B23-B23P-B33	
POWER SPECIFICATIONS				
Max/min nominal calorific flow rate (Pci) Qn	kW	22.0/2.5	28.0/3.0	31.0/3.5
Max/min nominal calorific flow rate (Pcs) Qn	kW	24.4/2.9	31.1/3.3	34.4/3.9
Domestic hot water max/min nominal calorific flow rate (Pci) Qn	kW	26.0/2.6	30.0/3.0	34.5/3.5
Domestic hot water max/min nominal calorific flow rate (Pcs) Qn	kW	28.9/2.9	33.3/3.3	38.3/3.9
Max/min power output (80°C-60°C) Pn	kW	21.5/2.5	27.5/2.8	30.8/3.3
Max/min power output (50°C-30°C) Pn	kW	23.6/2.7	30.3/3.1	34.0/3.6
Domestic hot water max/min power output Pn	kW	24.9/2.5	28.7/2.9	33.1/3.4
Combustion efficiency (of flue gas)	%	97.9	97.9	97.9
Nominal calorific flow rate efficiency (60/80°C) Hi/Hs	%	98.2/88.4	98.6/88.8	98.1/88.3
Nominal calorific flow rate efficiency (30/50°C) Hi/Hs	%	107.3/96.6	108.3/97.6	107.8/97.1
Efficiency at 30% at 30°C (condensation) Hi/Hs	%	109.5/98.6	109.3/98.5	109.4/98.5
Minimum calorific flow rate efficiency (60/80°C) Hi/Hs	%	95.1/85.6	94.6/85.2	94.2/84.8
Efficiency rating (dir. 92/42/EEC)	stars		★★★★	
Loss of burner gas when operating	%	2.1	2.1	2.1
EMISSIONS				
Available air pressure	Pa		100	
NOx class	class		6	
Flue gas temperature (G20) (80°C-60°C)	°C	61	61	61
CO2 content (G20) (80°C-60°C)	%		9.0/7.7	
CO content (0%O2) (80°C-60°C)	ppm	112	107	94
CO2 content (G20) (80°C-60°C)	%	5.0	4.9	5.5
Maximum flue gas flow (G20) (80°C-60°C)	kg/h	44.1	50.8	60.2
Excess air (80°C-60°C)	%	31	31	35
HEATING CIRCUIT				
Expansion chamber inflation pressure	bar		1	
Maximum heating pressure	bar		3	
Expansion chamber capacity	l		8	
Min/max heating temperature (high temperature range)	°C		35/82	
Min/max heating temperature (low temperature range)	°C		20/45	
DOMESTIC HOT WATER				
Domestic hot water max/min temperature	°C		36/60	
Specific flow rate of domestic hot water (ΔT=30°C)	l/min	12.8	14.3	16.5
Quantity of hot water ΔT=25°C	l/min	15.4	17.2	19.8
Quantity of hot water ΔT=35°C	l/min	11.0	12.3	14.1
Hot water comfort rating (EN13203)	stars		★★★	
Hot water minimum flow rate	l/min	2	2	2
Domestic hot water max/min pressure	bar		7.0/0.2	
ELECTRICAL				
Power supply frequency/voltage	V/Hz		230/50	
Total electrical power absorbed	W	82	83	82
Circulation Pump energy efficiency index			EEI≤0,20	
Minimum ambient temperature for use	°C		0	
Protection level for the electrical appliance	IP		X5D	
Weight	kg	32	34	36

CODE

ErP	3301771*	3301772	3301773
Energy class	A	A	A
Domestic hot water production energy class	A	A	A
Consumption profiles	XL	XL	XXL

For complete list of accessories see from page 120 on.

Genus One

Top of the range condensing boiler with connectivity capabilities.

/ Long-lasting, high performances: with stainless steel Xtratech heat exchanger, with +142% increased flow sections.
/ Reduced consumption: A+ class heating achievable with thermal regulation.
/ Simplified control via smartphone with Ariston NET intuitive app (enabled with connected thermostat).

Features:
/ Large touchscreen display
/ Busbridge net communication protocol
/ Auto, Comfort, Holiday and automatic scheduled maintenance reminder
/ Internal sound assorbing panels
/ Modulation ratio 1:10
/ Electronic combustion control
/ Installation in partially protected areas
/ Flue gas discharge 80, 60

Energy Class

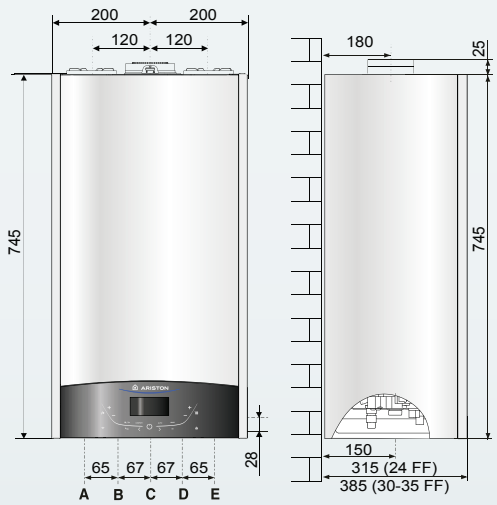
A

A+

ErP

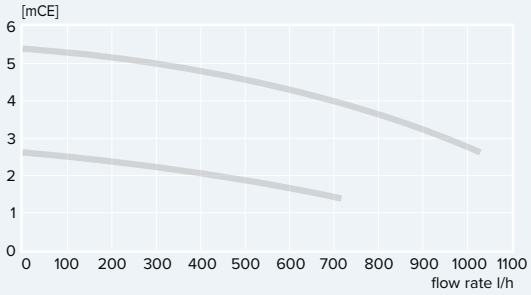
XtraTech™ stainless steel heat exchanger

TÜV RHEINLAND GROUP PERFORMANCE CERTIFICATE

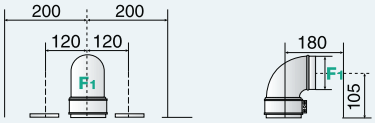


KEY
A \ System flow Ø 3/4" gas
B \ Domestic hot water outlet Ø 1/2" gas
C \ Gas inlet Ø 3/4" gas
D \ Domestic Hot water intake Ø 1/2" gas
E \ System return Ø 3/4" gas

Boiler residual head

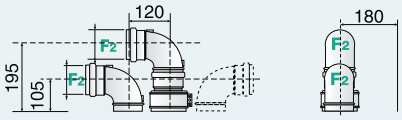


Version - Coaxial exhaust

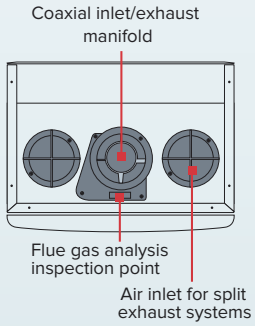


Maximum flue gas/air generation:
Ø60/100: up to 8 m (24 kW) - 7 m (30 kW) - 6 m (35 kW)
Ø80/125: up to 21 m (24 kW) - 20 m (30 kW) - 24 m (35 kW)

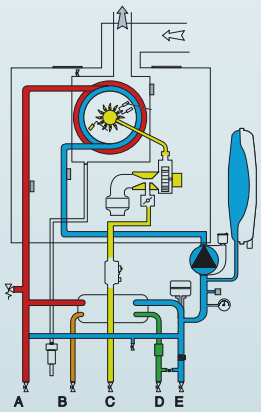
Versions - Split exhaust



Maximum flue gas/air generation:
Ø80/80: up to 60 m (24-30 kW) - 45 m (35 kW)
Ø60/60: up to 16 m (24 kW) - 12 m (30 kW) - 14 m (35 kW)



Hydraulic circuit diagram



Description	N° of boilers per pallet
GENUS ONE 24	14
GENUS ONE 30 - 35	12

TECHNICAL DATA		24	30	35
GENERAL				
EC certification no.			0085CR0394	
Boiler type			C13(X)-C23-C33(X)-C43(X)-C53(X)-C63(X)C83(X)-C93(X) B23-B23P-B33	
POWER SPECIFICATIONS				
Max/min nominal calorific flow rate (Pci) Qn	kW	22.0/2.5	28.0/3.0	31.0/3.5
Max/min nominal calorific flow rate (Pcs) Qn	kW	24.4/2.8	31.1/3.0	34.4/3.9
Domestic hot water max/min nominal calorific flow rate (Pci) Qn	kW	26.0/2.5	30.0/3.0	34.5/3.5
Domestic hot water max/min nominal calorific flow rate (Pcs) Qn	kW	28.9/2.8	33.3/3.3	38.3/3.9
Max/min power output (80°C-60°C) Pn	kW	21.5/2.3	27.5/2.8	30.3/3.3
Max/min power output (50°C-30°C) Pn	kW	23.6/2.6	30.3/3.1	33.5/3.6
Domestic hot water max/min power output Pn	kW	24.9/2.4	28.7/2.9	33.1/3.4
Combustion efficiency (of flue gas)	%	97.4	97.8	97.8
Nominal calorific flow rate efficiency (60/80°C) Hi/Hs	%	97.7/87.9	98.4/88.6	97.7/88.0
Nominal calorific flow rate efficiency (30/50°C) Hi/Hs	%	107.4/96.7	108.3/97.5	108.0/97.2
Efficiency at 30% at 30°C (condensation) Hi/Hs	%	109.8/98.9	109.5/98.6	109.5/98.6
Minimum calorific flow rate efficiency (60/80°C) Hi/Hs	%	91.1/82.0	93.0/83.8	93.5/84.2
Efficiency rating (dir. 92/42/EEC)	stars		★★★★	
Loss of burner gas when operating	%	2.6	2.2	2.2
EMISSIONS				
Available air pressure	Pa	100	100	100
NOx class	class		5	
Flue gas temperature (G20) (80°C-60°C)	°C	70	66	66
CO2 content (G20) (80°C-60°C)	%	8.8	8.8	8.8
CO content (0%O2) (80°C-60°C)	ppm	80.1	102.2	98.8
CO2 content (G20) (80°C-60°C)	%	5.4	3.8	4.5
Maximum flue gas flow (G20) (80°C-60°C)	kg/h	44.9	47.6	55.7
Excess air (80°C-60°C)	%	34	22	27
HEATING CIRCUIT				
Expansion chamber inflation pressure	bar		1	
Maximum heating pressure	bar		3	
Expansion chamber capacity	l		8	
Min/max heating temperature (high temperature range)	°C		35/82	
Min/max heating temperature (low temperature range)	°C		20/45	
DOMESTIC HOT WATER				
Domestic hot water max/min temperature	°C		36/60	
Specific flow rate of domestic hot water (ΔT=30°C)	l/min	12.8	14.3	16.5
Quantity of hot water ΔT=25°C	l/min	15.4	17.2	19.8
Quantity of hot water ΔT=35°C	l/min	11.0	12.3	14.1
Hot water comfort rating (EN13203)	stars		★★★	
Hot water minimum flow rate	l/min		2	
Domestic hot water max/min pressure	bar		7.0/0.2	
ELECTRICAL				
Power supply frequency/voltage	V/Hz		230/50	
Total electrical power absorbed	W	80	91	82
Minimum ambient temperature for use	°C		5	
Protection level for the electrical appliance	IP		X5D	
Weight	kg	29.7	32.3	34.6

CODE

		3301018	3301019	3301020
ErP	Energy class	A	A	A
	Domestic hot water production energy class	A	A	A
	Consumption profiles	XL	XL	XXL

For complete list of accessories see from page 120 on.

Clas One

Condensing boiler with wide range of functions

/ Long-lasting, high performances: with stainless steel Xtratech heat exchanger, with +142% increased flow sections.
/ Reduced consumption: A+ class heating achievable with thermal regulation.

Features

/ LCD display
/ Busbridge net communication protocol
/ Auto, Comfort functions
/ Optimised internal silencer
/ Modulation ratio 1:7
/ Installation in partially protected areas
/ Flue gas discharge 80, 60

Energy Class

A

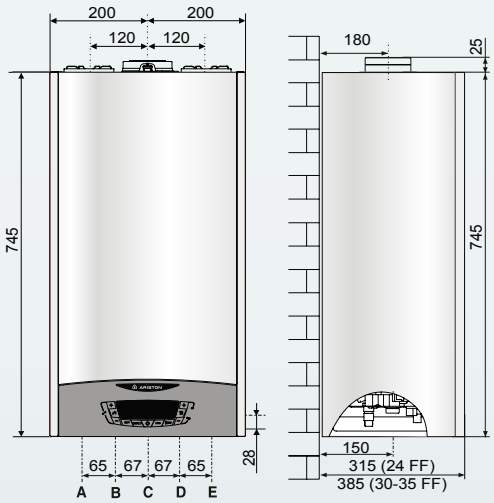
A+

ErP

XtraTech™ stainless steel heat exchanger

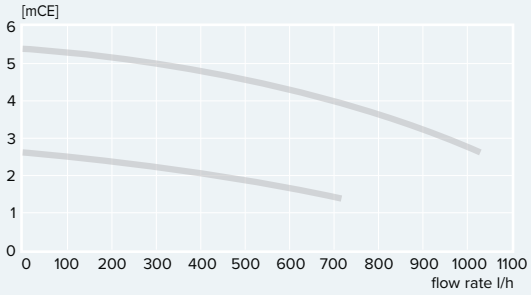
TÜV RHEINLAND GROUP PERFORMANCE CERTIFICATE

www.tuv.com
ID 0000056520

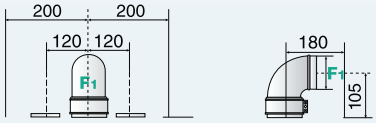


KEY
A \ System flow Ø 3/4" gas
B \ Domestic hot water outlet Ø 1/2" gas
C \ Gas inlet Ø 3/4" gas
D \ Domestic Hot water intake Ø 1/2" gas
E \ System return Ø 3/4" gas

Boiler residual head

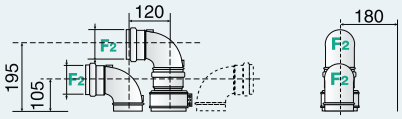


Version - Coaxial exhaust

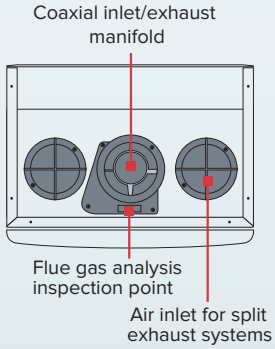


Maximum flue gas/air generation:
Ø60/100: up to 8 m (24 kW) - 7 m (30 kW) - 7 m (35 kW)
Ø80/125: up to 33 m (24 kW) - 24 m (30 kW) - 27 m (35 kW)

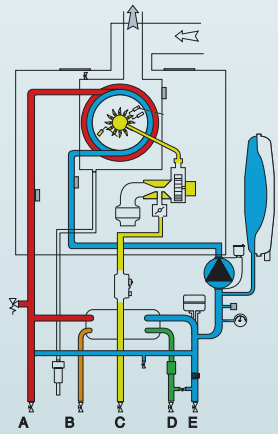
Versions - Split exhaust



Maximum flue gas/air generation:
Ø80/80: up to 60 m (24 kW) - 50 m (30 kW) - 35 m (35 kW)
Ø60/60: up to 14 m (24 kW) - 14 m (30 kW) - 12 m (35 kW)



Hydraulic circuit diagram



Description	N° of boilers per pallet
CLAS ONE 24	14
CLAS ONE 30 - 35	12

TECHNICAL DATA

		24	30	35
GENERAL				
EC certification no.			0085CR0393	
Boiler type			C13(X)-C23-C33(X)-C43(X)-C53(X)-C63(X) C83(X)-C93(X) - B23-B23P-B33	
POWER SPECIFICATIONS				
Max/min nominal calorific flow rate (Pci) Qn	kW	22.0/3.7	28.0/4.3	31.0/5.0
Max/min nominal calorific flow rate (Pcs) Qn	kW	24.4/4.1	31.1/4.8	34.4/5.6
Domestic hot water max/min nominal calorific flow rate (Pci) Qn	kW	26.0/3.7	30.0/4.3	34.5/5.0
Domestic hot water max/min nominal calorific flow rate (Pcs) Qn	kW	28.9/4.1	33.3/4.8	38.3/5.6
Max/min power output (80°C-60°C) Pn	kW	21.4/3.4	27.4/3.9	30.2/4.7
Max/min power output (50°C-30°C) Pn	kW	23.6/3.9	30/4.5	33.5/5.3
Domestic hot water max/min power output Pn	kW	24.9/3.5	28.7/4.1	33.0/4.8
Combustion efficiency (of flue gas)	%	98	98	97.9
Nominal calorific flow rate efficiency (60/80°C) Hi/Hs	%	97.5/87.8	97.9/88.2	97.5/87.8
Nominal calorific flow rate efficiency (30/50°C) Hi/Hs	%	107.3/96.7	107.3/96.6	108.2/97.4
Efficiency at 30% at 30°C (condensation) Hi/Hs	%	109.8/98.9	109.6/98.7	109.6/98.7
Minimum calorific flow rate efficiency (60/80°C) Hi/Hs	%	93.1/83.8	91.1/82	93.3/84
Efficiency rating (dir. 92/42/EEC)	stars		★★★★	
Loss of burner gas when operating	%	2	2	2.1
EMISSIONS				
Available air pressure	Pa	100	100	100
NOx class	class		5	
Flue gas temperature (G20) (80°C-60°C)	°C	61	62	63
CO2 content (G20) (80°C-60°C)	%		9.2/8.9	
CO content (0%O2) (80°C-60°C)	ppm	141.8	123.8	106.5
CO2 content (G20) (80°C-60°C)	%	3.9	4.2	4.3
Maximum flue gas flow (G20) (80°C-60°C)	kg/h	42.1	48.6	56.1
Excess air (80°C-60°C)	%	23	25	26
HEATING CIRCUIT				
Expansion chamber inflation pressure	bar		1	
Maximum heating pressure	bar		3	
Expansion chamber capacity	l		8	
Min/max heating temperature (high temperature range)	°C		35/82	
Min/max heating temperature (low temperature range)	°C		20/45	
DOMESTIC HOT WATER				
Domestic hot water max/min temperature	°C		36/60	
Specific flow rate of domestic hot water (ΔT=30°C)	l/min	12.1	14.5	16.7
Quantity of hot water ΔT=25°C	l/min	14.5	17.4	20
Quantity of hot water ΔT=35°C	l/min	10.4	12.5	14.3
Hot water comfort rating (EN13203)	stars		★★★	
Hot water minimum flow rate	l/min		2	
Domestic hot water max/min pressure	bar		7/0.2	
ELECTRICAL				
Power supply frequency/voltage	V/Hz		230/50	
Total electrical power absorbed	W	104	114	115
Minimum ambient temperature for use	°C		> 0	
Protection level for the electrical appliance	IP		X5D	
Weight	kg	29.7	32.3	34.6

CODE

	3301021	3301022	3301023
Energy class	A	A	A
Domestic hot water production energy class	A	A	A
Consumption profiles	XL	XL	XXL

For complete list of accessories see from page 120 on.

High power condensing gas boilers

Whether wall-hung or floor-standing, Ariston condensing boilers offer high efficiency performances and substantial energy savings through effective reuse of the heat produced in the combustion process.
Easy and intuitive to use, they are the right choice for those who
wish to reduce their energy bills and protect the environment.

- Genus Premium EVO HP

Genus Premium EVO HP
for all applications up to 1200 kW

Genus Premium EVO HP
45-65

Genus Premium EVO HP
85-100-115-150

Ariston high-power condensing boilers are designed for use in residential complexes, public buildings, commercial enterprises and industrial facilities.

Depending on the application, they can be installed individually or as cascade systems and integrated with hot water cylinders, multi-temperature zone control and solar heating systems.

There is a wide range of accessories for even more high-performance solutions.

Up to 6 boilers with in-line cascade installation, 8 boilers with front-to-back cascade installation

The solution for your **residential & commercial projects**

Example installation: residential building

location: **Rome**
Energy class: **G**
Type: **12-apartment condominium**
Surface area: **85 m² per apartment**
Fuel: **methane**
System type: **radiators**

2x **Genus Premium Evo HP** 65 kW

1x **MAXIS CKZ** 1500

2x **Fresh water station** 50 l

12x Kairos XP 2.5 - 1 V

50%
domestic-hot-water production energy savings*

28%
total annual energy savings*

25%
annual room-heating energy savings*

Boiler cascade controller: the safest and most efficient solution

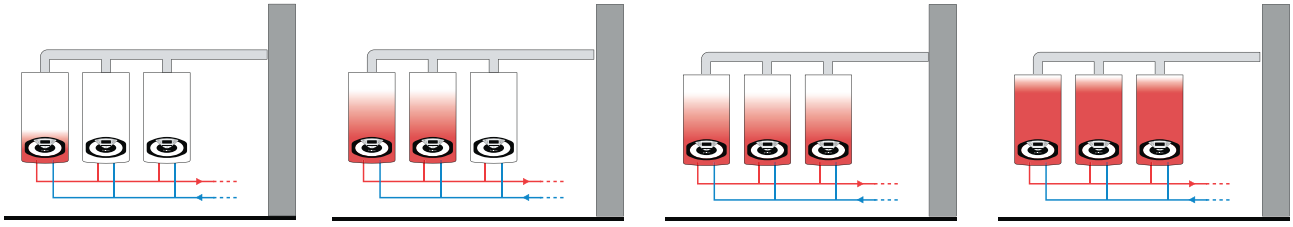
This controller acts as the brain of the system, guaranteeing:

/ **Greater reliability:** when a single heat generator malfunctions or requires servicing, the others remain on line;

/ **Greater savings:** thanks to more efficient modulation of the individual heat generators;

/ **Greater service life:** the heat generators are used uniformly to ensure that they operate for the same number of hours in the long term.

Example of cascade installation of 3 Genus Premium Evo HP 150 EU



35 kW demand:
minimum power, a single heat generator is used

200 kW demand:
reduced power, a second heat generator is used

300 kW demand:
moderate power, a third heat generator is now used as well

450 kW demand:
maximum power of the entire cascade

*Compared to a single conventional 130 kW boiler without temperature regulation.

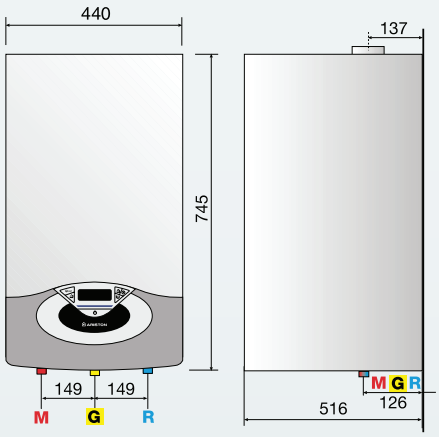
Genus Premium Evo HP 45-65

High power condensing boiler, heating only

/ Flexible configuration: cascade installation both in line and back to back.
/ Optimal consumption: condensing technology which allows 35% energy saving.
/ Complete control via Sensys system interface.

Features

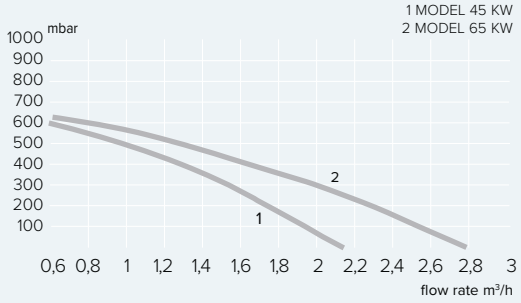
/ Wide Dot Matrix Backlit LDC display
/ Busbridge net communication protocol
/ Auto function for constant temperature
/ Connect to external tank for hot water production
/ Low water pressure sensor
/ Anti-freezing and scle accumulation protection



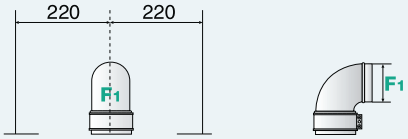
KEY
M \ Central heating flow line Ø 1" gas
G \ Gas connector Ø 3/4" gas
R \ Central heating return Ø 1" gas
F \ Exhausts (Ø mm)
F1: 80/125
F2: 80/80

ENERGY EFFICIENT | SYSTEM MANAGEMENT | MADE IN EUROPE | AUTO FUNCTION | SUPER SILENT | ENERGY SAVING | LOW EMISSIONS

Residual head

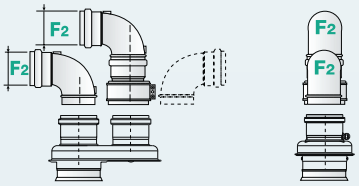


Version - Coaxial exhausts



Maximum pipe lenght:
Ø80/125: up to 12 m (45 kW) - 8 m (65 kW)

Version - Twin pipes exhausts



Maximum pipe lenght:
Ø80/80: up to 49 m (45 kW) - 30 m (65 kW)

TECHNICAL DATA		45	65
POWER SPECIFICATIONS			
Max/min nominal calorific flow rate (Hi)	kW	41,0/12,2	58,0/17,4
Max/min nominal calorific flow rate (Hs)	kW	45,6/13,6	64,4/19,3
Max/min power output (80°C-60°C) (Central Heating)	kW	39,8/11,7	57,3/17,3
Max/min power output (50°C-30°C) (Central Heating)	kW	43,6/13,1	62,3/19,1
Max/min power output (40 °C - 30 °C)	kW	43,7/13,1	62,8/19,3
Combustion efficiency (of flue gas)	%	97,3	97,3
Nominal calorific flow rate efficiency (60/80°C) max/min	%	97,0/96,1	98,8/99,4
Nominal calorific flow rate efficiency (30/50°C) max/min	%	106,4/107,5	107,4/109,5
Nominal calorific flow rate efficiency (30/40 °C) max/min	%	106,5/107,7	108,2/110,0
Efficiency at 30% at 30°C	%	107,4	109,8
Efficiency at 30% at 47°C	%	104,8	105,3
Efficiency rating (dir. 92/42/EEC)	stars	★★★★	★★★★
Sedbuk Rating	band		
Loss when stopped (ΔT = 50°C)	%	0,24	0,24
Loss of burner gas when operating	%	2,8	2,8
EMISSIONS			
Available air pressure	Pa	130	150
NOx class (Less than 70 mg/kWh)	class	5	5
Flue gas temperature (G20) (80°C-60°C)	°C	67/63	68/61
CO2 content (G20) max/min	%	9,0/8,4	9,0/8,4
CO2 content (G31) max/min	%	9,8/9,2	9,8/9,2
CO content (0%O2) (80°C-60°C)	ppm	88	109
O2 content (G20)	%	4,8	4,8
Maximum flue gas flow (G20) (80°C-60°C)	m³/h	53	74
Excess air max load	%	27	27
HEATING CIRCUIT			
Residual head DT = 20°C	mCa	2,2	1,1
Maximum/Minimum heating pressure	bar	4/0,7	4/0,7
Min/max heating temperature (high temperature range)	°C	35/82	35/82
Min/max heating temperature (low temperature range)	°C	20/45	20/45
DOMESTIC HOT WATER CIRCUIT			
Domestic hot water min/max temperature	°C	40/60	40/60
ELECTRICAL			
Power supply voltage/frequency	V/Hz	230/50	230/50
Total electrical power absorbed	W	148	198
Minimum ambient temperature for use	°C	+5	+5
Protection level for the electrical appliance	IP	IPX4D	IPX4D
CONDENSATE			
Max condensate production			
(40°C- 30°C, max load - 20°C ambient)	l/h	8,8	13,4
Condensate pH		3,2	3,2
Weight	kg	45	50
Dimensions (DxWxH)	mm	440/910/510	440/910/510
CODE			
ErP		3581564	3581565
Energy class		A	A

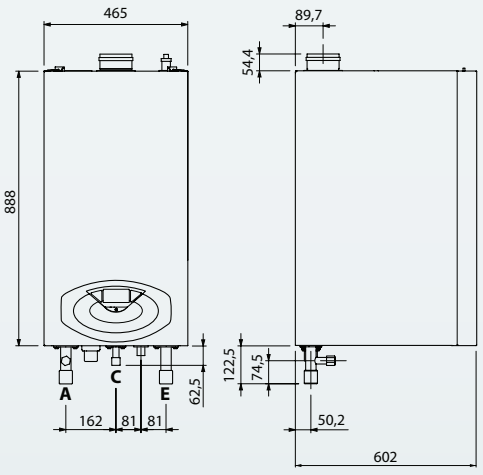
Genus Premium Evo HP 85-100-115-150

Super high power condensing boiler, heating only

/ Flexible configuration: cascade installation both in line and back to back.
/ Optimal consumption: condensing technology which allows 35% energy saving plus possibility to have two speed pump (only 85-100kw) or full modulating pump as optional accessories (only 85 to 150kw).
/ Complete control via Sensys system interface.

Features

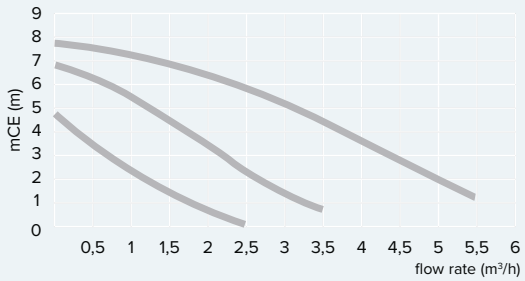
/ Wide Dot Matrix Backlit LDC display
/ Busbridge net communication protocol
/ Auto function for constant temperature
/ Connect to external tank for hot water production
/ Low water pressure sensor
/ Anti-freezing and scle accumulation protection



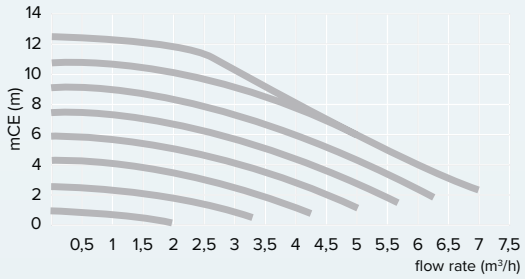
KEY
A \ Central heating flow line
C \ Gas connector
E \ Central heating return
F: \ Exhausts (Ø mm)
F1: 100
F2: 110/150

ENERGY EFFICIENT | SYSTEM MANAGEMENT | MADE IN EUROPE | AUTO FUNCTION | SUPER SILENT | ENERGY SAVING | LOW EMISSIONS

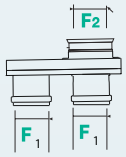
Residual head
(modulating circulator as accessory)



Residual head
(full modulating circulator as accessory)

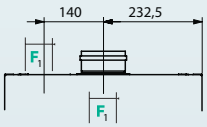


Version - Coaxial exhausts



Maximum pipe lenght:
Ø110/150 up to 5 m (only for 85-100)

Version - Twin pipes exhausts



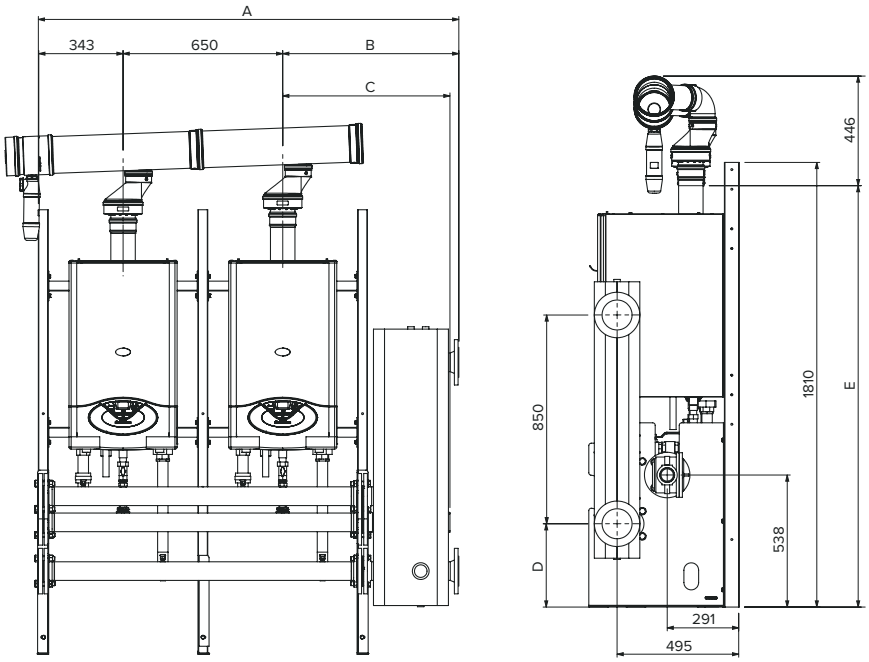
Maximum pipe lenght:
Ø100/110: up to 49 m (85-100 kW)
up to 44 m (115 kW) - up to 28 m (150 kW)

TECHNICAL DATA		80	100	115	150
POWER SPECIFICATIONS					
Max/min nominal calorific flow rate (Hi)	kW	80,0/20,0	88,3/22,1	109,0/27,3	140,0/35,0
Max/min nominal calorific flow rate (Hs)	kW	88,9/22,2	98,1/24,6	121,1/30,3	155,6/38,9
Max/min power output (80°C-60°C) (Central Heating)	kW	78,0/19,7	86,1/21,7	106,3/26,9	136,2/34,4
Max/min power output (50°C-30°C) (Central Heating)	kW	84,5/21,6	94,0/23,9	115,8/29,6	148,5/38,0
Max/min power output (40 °C - 30 °C)	kW	84,9/21,7	94,5/23,9	117,1/29,6	150,1/38,0
Combustion efficiency (of flue gas)	%	97,3	97,3	96,8	96,9
Nominal calorific flow rate efficiency (60/80°C) Max/min	%	97,5/98,4	97,5/98,4	97,5/98,4	97,3/98,4
Nominal calorific flow rate efficiency (30/50°C) Max/min	%	105,6/108,1	106,5/108,1	106,2/108,4	106,1/108,3
Nominal calorific flow rate efficiency (30/40 °C) Max/min	%	106,1/108,3	107,0/108,3	107,7/108,6	107,2/108,7
Efficiency at 30% at 30°C	%	108,1	108,1	108,3	108,5
Efficiency at 30% at 47°C	%	104,9	104,9	102,5	103,0
Efficiency rating (dir. 92/42/EEC)	stars	★★★★	★★★★	★★★★	★★★★
Sedbuk Rating	band				
Loss when stopped (ΔT = 50°C)	%	0,25	0,25	<0,15	<0,15
Loss of burner gas when operating	%	2,8	2,8	3,2	3,1
EMISSIONS					
Available air pressure	Pa	140	140	180	200
NOx class (Less than 70 mg/kWh)	class	5	5	5	5
Flue gas temperature (G20) (80°C-60°C)	°C	61/63	68/63	76/65	74/63
CO2 content (G20) (max/min	%	9,0/8,4	9,0/8,4	9,0/8,4	9,0/8,4
CO2 content (G31) max/min	%	9,8/9,2	9,8/9,2	9,8/9,2	9,8/9,2
CO content (0%O2) (80°C-60°C)	ppm	95	90	117	131
O2 content (G20)	%	4,8	4,8	4,8	4,8
Maximum flue gas flow (G20) (80°C-60°C)	m³/h	102	113	143	182
Excess air max load	%	27	27	27	27
HEATING CIRCUIT					
Maximum/Minimum heating pressure	bar	6/0,7	6/0,7	6/0,7	6/0,7
Min/max heating temperature (high temperature range)	°C	35/82	35/82	35/85	35/85
Min/max heating temperature (low temperature range)	°C	20/45	20/45	20/45	20/45
DOMESTIC HOT WATER CIRCUIT					
Domestic hot water min/max temperature	°C	40/60	40/60	40/60	40/60
ELECTRICAL					
Power supply voltage/frequency	V/Hz	230/50	230/50	230/50	230/50
Total electrical power absorbed	W	101	111	215	246
Minimum ambient temperature for use	°C	+5	+5	+5	+5
Protection level for the electrical appliance	IP	IPX4D	IPX4D	IP20	IP20
CONDENSATE					
Max condensate production (40°C- 30°C, max load - 20°C ambient)	l/h	16,4	19,1	24,6	31,1
Condensate pH		3,2	3,2	3,2	3,2
Weight	kg	80	83	83	90
Dimension (W x H x D)	mm	465/888/602	465/888/602	465/888/602	465/888/602
CODE					
		3581564	3581567	3581568	3581569

Installation scheme for line cascade boilers

The cascade configuration allows the installation from 2 up to 6 boilers.
Regarding the sizes, please refer to the dimensions shown in the drawings , since the installation is modular.

COLLECTORS DN65

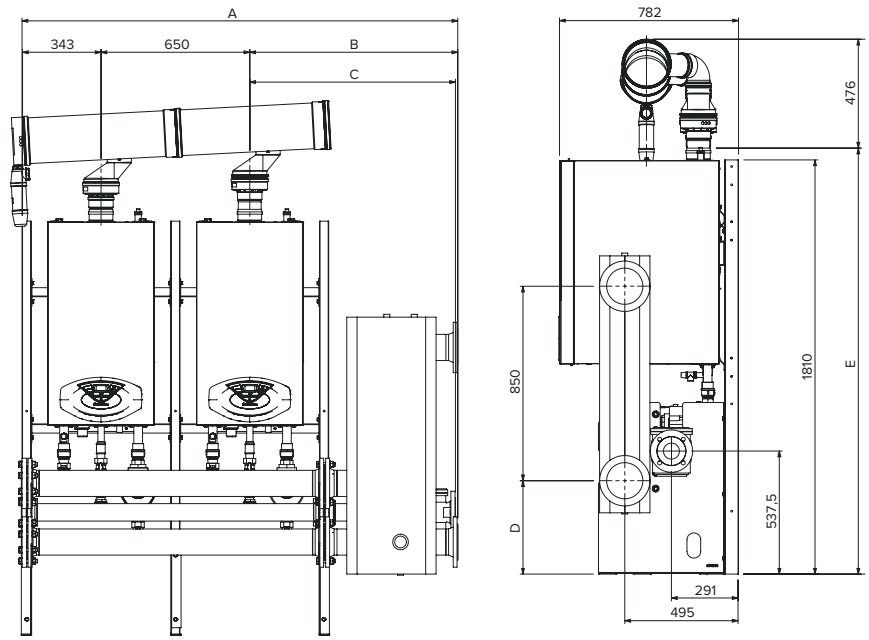


Dimensions (in mm)

NUMBER OF BOILERS	A	B	C	D	E
2	1710	717	681	339	2162
3	2360				2187
4	3010				2212
5	3660				2237
6	4310				2262

Dimensions referring to flue pipe collector DN150

COLLECTORS DN100



Dimensions (in mm)

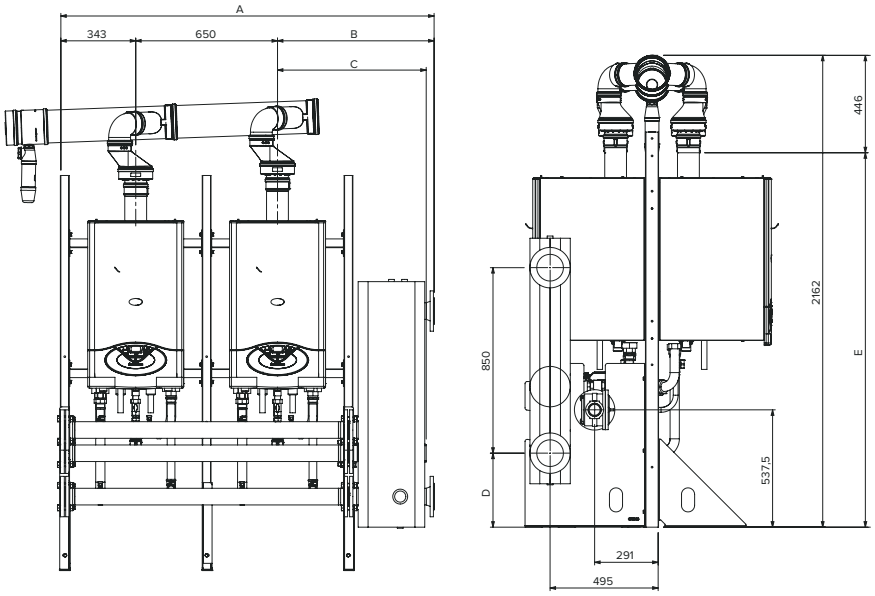
NUMBER OF BOILERS	A	B	C	D	E
2	1902	909	899	408	2337
3	2552				2372
4	3202				2407
5	3852				2442
6	4502				2477

Dimensions referring to flue pipe collector DN200

Installation scheme for back to back cascade boilers

The cascade configuration allows the installation from 3 up to 8 boilers.
Regarding the sizes, please refer to the dimensions shown in the drawings , since the installation is modular.

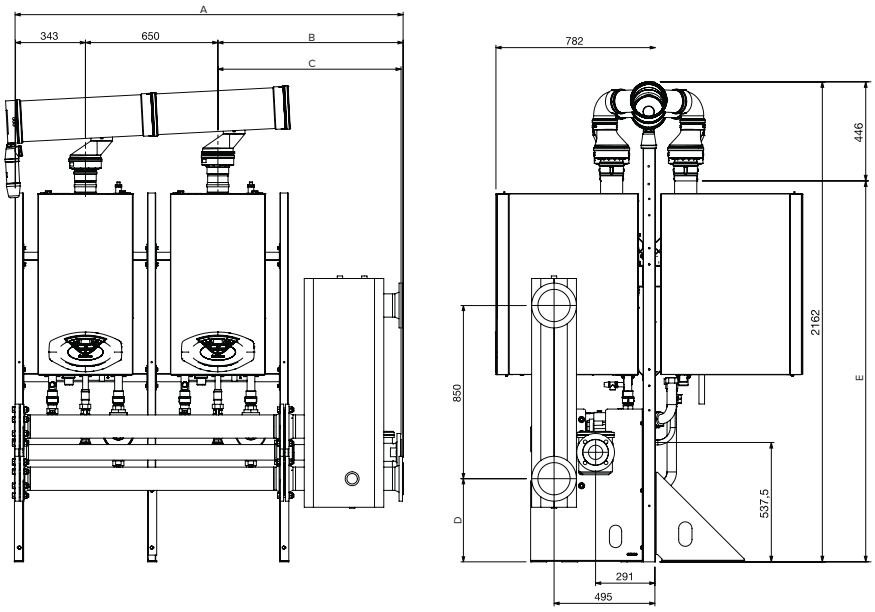
COLLECTORS DN65



Dimensions (in mm)

NUMBER OF BOILERS	A	B	C	D	E
3-4	1710	717	681	339	2162
5-6	2360				2187
7-8	3010				2212

COLLECTORS DN65



Dimensions (in mm)

NUMBER OF BOILERS	A	B	C	D	E
3-4	1902	909	899	408	2337
5-6	2552				2372
7-8	3202				2407

Selection table Line cascade

		fino a 200 kW		da 200 a 400 kW			da 400 a 600 kW		oltre i 600 kW	
TOTAL HEAT CAPACITY CASCADE		116 kW	168 kW	197 kW	249 kW	327 kW	420 kW	560 kW	700 kW	840 kW
NUMBER OF BOILERS		2	2	2	2	3	3	4	5	6
DESCRIPTION	**CODE**	**QUANTITY**								
BOILERS HP										
GENUS PREMIUM EVO HP 65kW EU	3581565	2	-	-	-	-	-	-	-	-
GENUS PREMIUM EVO HP 85kW EU	3581566	-	1	-	-	-	-	-	-	-
GENUS PREMIUM EVO HP 100kW EU	3581567	-	1	1	-	-	-	-	-	-
GENUS PREMIUM EVO HP 115kW EU	3581568	-	-	1	1	3	-	-	-	-
GENUS PREMIUM EVO HP 150kW EU	3581569	-	-	-	1	-	3	4	5	6
HYDARULIC & INSTALLATION KITS										
FRAME HORIZONTAL SUPPORT	3590280	2	2	2	2	3	3	4	5	6
FRAME VERTICAL SUPPORT	3590279	3	3	3	3	4	4	5	6	7
FRAME FOOT	3590283	1	1	1	1	2	2	2	3	4
COLLECTOR SUPPORT RIGHT	3590443	1	1	1	1	1	1	1	1	1
COLLECTOR SUPPORT LEFT	3590472	1	1	1	1	1	1	2	2	2
COLLECTOR FLOW/RETURN DN65 2B LINE	3590253	2	2	2	2	-	-	-	-	-
COLLECTOR FLOW/RETURN DN65 3B LINE	3590254	-	-	-	-	2	2	-	-	-
COLLECTOR FLOW/RETURN DN100 2B LINE	3590255	-	-	-	-	-	-	4	2	-
COLLECTOR FLOW/RETURN DN100 3B LINE	3590256	-	-	-	-	-	-	-	2	4
FLANGE KIT DN65	3590269	1	1	1	1	1	1	-	-	-
FLANGE KIT DN100	3590270	-	-	-	-	-	-	1	1	1
CONNECTION KIT 2 COLLECTORS DN100	3590272	-	-	-	-	-	-	1	1	1
CONNECTION KIT GHP 45-65 LINE	3590450	2	-	-	-	-	-	-	-	-
CONNECTION KIT GHP 85-100 LINE	3590451	-	2	2	2	3	3	4	5	6
LOW LOSS HEADER DN65	3590444	1	1	1	1	1	1	-	-	-
LOW LOSS HEADER DN100	3590445	-	-	-	-	-	-	1	1	1
COLLECTOR GAS DN65 2B LINE / 4B B2B	3590267	1	1	1	1	-	-	2	1	-
COLLECTOR GAS DN65 3B LINE / 6B B2B	3590268	-	-	-	-	1	1	-	1	2
CONTROLS										
OUTDOOR SENSOR QAC34.101	171237	1	1	1	1	1	1	1	1	1
INTERFACCIA BUS CASCATA THW-SIEMENS	3318642	2	2	2	2	3	3	4	5	6
HEADER/HOT WATER SENSOR QAZ36 CABLE 6M	12081759	1	1	1	1	1	1	1	1	1
RVS 43 + WH BOX EE**	3590864	1	1	1	1	1	1	1	1	1
CIRCULATORS										
PUMP KIT STRATOS PARA 30/1-9 PWM	3590636	-	2	1	-	-	-	-	-	-
PUMP KIT STRATOS PARA 30/1-8 PWM	3590637	-	-	1	2	3	3	4	5	6
INSULATION KITS										
INSULATION COLLECTOR 2B DN65	3590458	1	1	1	1	-	-	-	-	-
INSULATION COLLECTOR 3B DN65	3590459	-	-	-	-	1	1	-	-	-
INSULATION COLLECTOR 2B DN100	3590470	-	-	-	-	-	-	2	1	-
INSULATION COLLECTOR 3B DN100	3590471	-	-	-	-	-	-	-	1	2
INSULATION LOW LOSS HEADER DN65	3590456	1	1	1	1	1	1	-	-	-
INSULATION LOW LOSS HEADER DN100	3590457	-	-	-	-	-	-	1	1	1

Kit optional

		Up to 436 kW*	over 436 kW*
Extension gas pipe	Code	3590299	3590301
Room controller QAA75.610/101	Code 12048253	12048253	

* Nominal Heat Capacity (Hi)
**The RVS43 can control 1 zone. Please refer to technical documentation for other configurations and schemes.

			up to 232 kW*	over 436 kW*
Low loss header with insulation included (as alternative to code 3590444)	ΔT = 15-20K	kW	82-250	251-462
		Type	CB200-30M	CB200-50M
		Code	3590357	3590358
	ΔT = 10K	kW	82-250	251-462
		Type	CB200-30M	CB200-64M
		Code	3590357	3590359

Selection table Back to back cascade

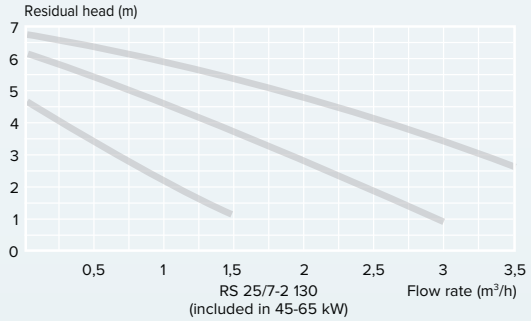
		fino a 300 kW		da 300 a 600 kW			oltre i 600 kW			
TOTAL HEAT CAPACITY CASCADE		174 kW	256 kW	327 kW	420 kW	560 kW	700 kW	840 kW	980 kW	1120 kW
NUMBER OF BOILERS		3	3	3	3	4	5	6	7	8
DESCRIPTION	**CODE**	**QUANTITY**								
BOILERS HP										
GENUS PREMIUM EVO HP 65kW EU	3581565	3	-	-	-	-	-	-	-	-
GENUS PREMIUM EVO HP 85kW EU	3581566	-	1	-	-	-	-	-	-	-
GENUS PREMIUM EVO HP 100kW EU	3581567	-	2	-	-	-	-	-	-	-
GENUS PREMIUM EVO HP 115kW EU	3581568	-	-	3	-	-	-	-	-	-
GENUS PREMIUM EVO HP 150kW EU	3581569	-	-	-	3	4	5	6	7	8
HYDARULIC & INSTALLATION KITS										
FRAME HORIZONTAL SUPPORT	3590280	2	2	2	2	2	3	3	4	4
FRAME VERTICAL SUPPORT	3590279	3	3	3	3	3	4	4	5	5
FRAME FOOT	3590283	4	4	4	4	4	6	6	7	7
COLLECTOR SUPPORT RIGHT	3590443	1	1	1	1	1	1	1	1	1
COLLECTOR SUPPORT LEFT	3590472	1	1	1	1	1	1	1	2	2
COLLECTOR FLOW DN65 4B B2B	3590257	1	1	1	1	-	-	-	-	-
COLLECTOR RETURN DN65 4B B2B	3590258	1	1	1	1	-	-	-	-	-
COLLECTOR FLOW DN100 4B B2B	3590261	-	-	-	-	1	-	-	2	2
COLLECTOR RETURN DN100 4B B2B	3590262	-	-	-	-	1	-	-	2	2
COLLECTOR FLOW DN100 6B B2B	3590263	-	-	-	-	-	1	1	-	-
COLLECTOR RETURN DN100 6B B2B	3590264	-	-	-	-	-	1	1	-	-
FLANGE KIT DN65	3590269	1	1	1	1	-	-	-	-	-
FLANGE KIT DN100	3590270	-	-	-	-	1	1	1	1	1
CONNECTION KIT 2 COLLECTORS DN100	3590272	-	-	-	-	-	-	-	1	1
BLIND KIT FOR 1 BOILER	3590273	1	1	1	1	-	1	-	1	-
CONNECTION KIT GHP 45-65 LINE	3590450	2	-	-	-	-	-	-	-	-
CONNECTION KIT GHP 85-100 LINE	3590451	-	2	2	2	2	3	3	4	4
CONNECTION KIT GHP 45-65 B2B I	3590452	1	-	-	-	-	-	-	-	-
CONNECTION KIT GHP 85-100 B2B	3590453	-	1	1	1	2	2	3	3	4
LOW LOSS HEADER DN65	3590444	1	1	1	1	-	-	-	-	-
LOW LOSS HEADER DN100	3590445	-	-	-	-	1	1	1	1	1
COLLECTOR GAS DN65 2B LINE / 4B B2B	3590267	1	1	1	1	1	-	-	2	2
COLLECTOR GAS DN65 3B LINE / 6B B2B	3590268	-	-	-	-	-	1	1	-	-
CONTROLS										
OUTDOOR SENSOR QAC34.101	171237	1	1	1	1	1	1	1	1	1
INTERFACCIA BUS CASCATA THW-SIEMENS	3318642	3	3	3	3	4	5	6	7	8
HEADER/HOT WATER SENSOR QAZ36 CABLE 6M	12081759	1	1	1	1	1	1	1	1	1
RVS 43 + WH BOX EE**	3590864	1	1	1	1	1	1	1	1	1
CIRCULATORS										
PUMP KIT STRATOS PARA 30/1-9 PWM	3590636	-	3	-	-	-	-	-	-	-
PUMP KIT STRATOS PARA 30/1-8 PWM	3590637	-	-	3	3	4	5	6	7	8
INSULATION KITS										
INSULATION COLLECTOR 2B DN65	3590458	1	1	1	1	-	-	-	-	-
INSULATION COLLECTOR 2B DN100	3590470	-	-	-	-	1	-	-	2	2
INSULATION COLLECTOR 3B DN100	3590471	-	-	-	-	-	1	1	-	-
INSULATION LOW LOSS HEADER DN65	3590456	1	1	1	1	-	-	-	-	-
INSULATION LOW LOSS HEADER DN100	3590457	-	-	-	-	1	1	1	1	1

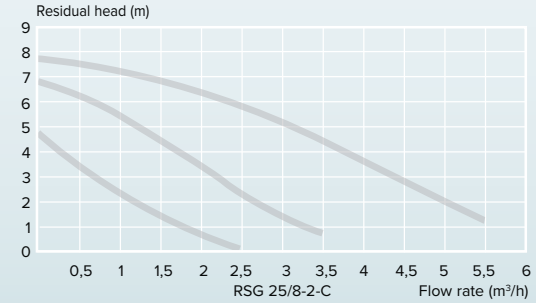
Kit optional

		Up to 436 kW*	over 436 kW*
Extension gas pipe	Code	3590299	3590301
Room controller QAA75.610/101**	Code 12048253	12048253	

* Nominal Heat Capacity (Hi)
**The RVS43 can control 1 zone. Please refer to technical documentation for other configurations and schemes.

			up to 232 kW*	up to 436 kW*
Exchanger kit with brazed plates with insulation included (to be chosen as alternative to the code 3590444)	ΔT = 15-20K	kW	82-250	251-462
		Type	CB200-30M	CB200-50M
		Code	3590357	3590358
	ΔT = 10K	kW	82-250	251-462
		Type	CB200-30M	CB200-64M
		Code	3590357	3590359

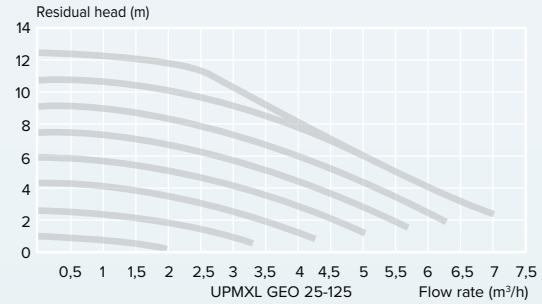




Two - Speed Pump Features

		45 FF	65 FF	85 FF	100 FF	115 FF	150 FF
HYDRAULIC DATA							
Flow Rate ΔT=20K	m³/h	1,7	2,5	3,4	3,7	4,6	5,9
Pressure drop at the nominal flow rate	kPa	34	40	23	23	26	37
TWO - SPEED PUMP DATA							
Pump model and type of control	-	RS 25/7-2 130	RS 25/7-2 130	RSG 25/8-2-C	RSG 25/8-2-C	-	-
	Code	Included	Included	3590441	3590441	-	-
Voltage	V	230	230	230	230	-	-
Maximum consumption	W	93	111	151	151	-	-
Minimum consumption	W	62	62	81	81	-	-
Residual head at the nomial flow rate	kPa	56	51	46	41	-	-

	Code
Two - Speed Pump	3590441



High-Efficiency Full Modulating Pump Features

		45 FF	65 FF	85 FF	100 FF	115 FF	150 FF
HYDRAULIC DATA							
Flow Rate ΔT=20K	m³/h	1,7	2,5	3,4	3,7	4,6	5,9
Pressure drop at the nominal flow rate	kPa	34	40	23	23	26	37
HIGH-EFFICIENCY FULL MODULATING PUMP DATA							
Pump model and type of control	-	-	-	UPMXL GEO 25-125	UPMXL GEO 25-125	UPMXL GEO 25-125	UPMXL GEO 25-125
	Code	-	-	3590442	3590442	3590442	3590442
Voltage	V	-	-	230	230	230	230
Maximum consumption	W	-	-	180	180	180	180
Minimum consumption	W	-	-	8	8	8	8
Residual head at the nomial flow rate	kPa	-	-	96	90	72	50

	Code
High-Efficiency Full Modulating Pump	3590442

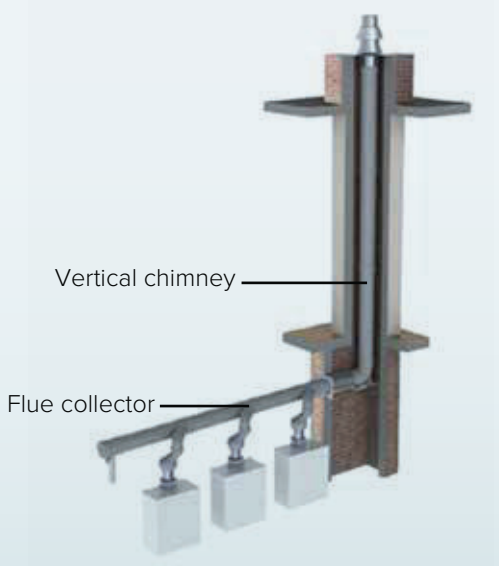
Exhaust configuration

CHIMNEY SELECTION (diameter for required output):

Max. output [kW] by diameter (collector/chimney)			
DIAMETER	CHIMNEY HEIGHT		
	5M	15M	30M
150/150mm	327	313	288
150/200mm	450	412	370
200/200mm	530	500	482
200/250mm	697	675	646
200/300mm	855	835	797

Calculation based on 3m horizontal flue in boiler room.

The cascade flue systems are available with a diameter of 150 and 200 mm. Horizontal collector's and vertical chimney's diameters depend on the total installed power, and on vertical chimney lenght.
The table shows the maximum power, in accordance with the vertical length of the chimney.



The informations are indicative and the proper sizing of an exhaust system depends on the chimney configuration.

FLUE SYSTEM COMPOSITION		DN150										
		LINE					BACK 2 BACK					
	# boilers	2	3	4	5	6	3	4	5	6	7	8
Cascade flue kit basic LINE	**3590461**	2	3	4	5	6	1		1		1	
Cascade flue kit basic BACK 2 BACK	**3590462**	-	-	-	-	-	1	2	2	3	3	4
Condensate trap + syphon + cap	**3590463**	1	1	1	1	1	1	1	1	1	1	1
Adapter 80 to 100mm for 45-65kW boiler	**3590467**	2*	3*	4*	5*	6*	3*	4*	5*	6*	7*	8*

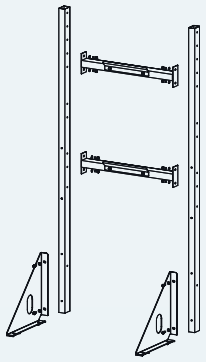
* Only in case of 45-65kW boilers

FLUE SYSTEM COMPOSITION		DN200										
		LINE					BACK 2 BACK					
	# boilers	2	3	4	5	6	3	4	5	6	7	8
Cascade flue kit basic LINE	**3590464**	2	3	4	5	6	1		1		1	
Cascade flue kit basic BACK 2 BACK	**3590465**	-	-	-	-	-	1	2	2	3	3	4
Condensate trap + syphon + cap	**3590466**	1	1	1	1	1	1	1	1	1	1	1
Adapter 80 to 100mm for 45-65kW boiler	**3590467**	2*	3*	4*	5*	6*	3*	4*	5*	6*	7*	8*

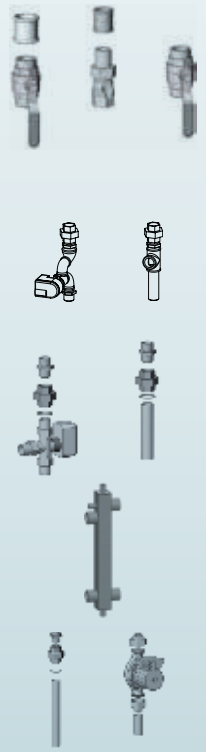
* Only in case of 45-65kW boilers

Installation and hydraulic accessories

Installation accessories	Code	/ Genus Premium EVO HP EU 45-65	/ Genus Premium EVO HP EU 85-100	/ Genus Premium EVO HP EU 115-150
FRAME VERTICAL SUPPORT	3590279	•	•	•
FRAME HORIZONTAL SUPPORT	3590280	•	•	•
COLLECTOR SUPPORT LEFT	3590472	•	•	•
COLLECTOR SUPPORT RIGHT	3590443	•	•	•
FRAME FOOT	3590283	•	•	•



HYDRAULIC ACCESSORIES stand alone installation	Code	/ Genus Premium EVO HP EU 45-65	/ Genus Premium EVO HP EU 85-100	/ Genus Premium EVO HP EU 115-150
SAFETY VALVE 3 BAR GHP 45-65	3590431	•		
SAFETY VALVE 3 BAR GHP 85-100	3590432		•	
SAFETY VALVE TUV 3 BAR TH-L 100-145	3590330			•
SHUT OFF VALVE KIT GHP 45-65	3590433	•		
SHUT OFF VALVE KIT GHP 85-100	3590434		•	
SHUT OFF VALVE KIT TH-L 100-145	3590335			•
DHW KIT 3-WAY VALVE GHP 45-65	3590436	•		
DHW KIT 3-WAY VALVE GHP 85-100	3590437		•	
DHW KIT 3-WAY VALVE GHP 100-150	3590438			•
LOW LOSS HEADER GHP 85-150	3590435	•	•	•
PUMP KIT STRATOS PARA 30/1-9 PWM	3590636		•	
PUMP KIT STRATOS PARA 30/1-8 PWM	3590637			•

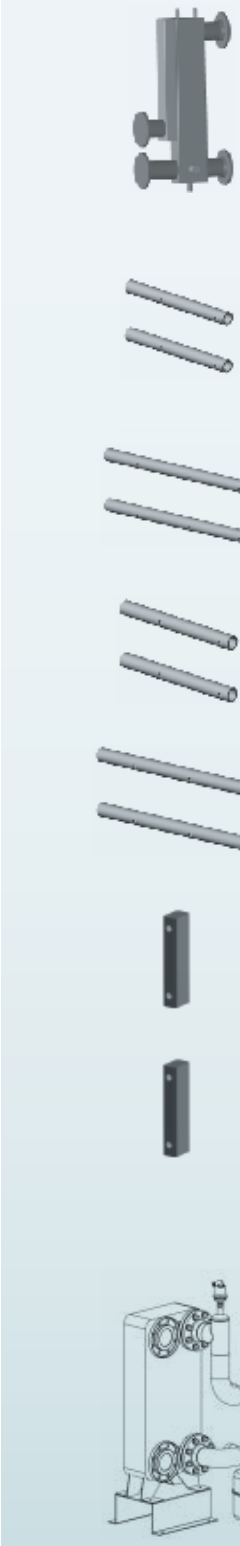


Cascade installation in line and back to back	Code	/ Genus Premium EVO HP EU 45 - 65 - 85 - 100 - 115 - 150
COLLECTOR FLOW/RETURN DN65 2B LINE	3590253	Refer to the selection tables for proper configuration 114-117
COLLECTOR FLOW/RETURN DN65 3B LINE	3590254	Refer to the selection tables for proper configuration 114-117
COLLECTOR FLOW/RETURN DN100 2B LINE	3590255	Refer to the selection tables for proper configuration 114-117
COLLECTOR FLOW/RETURN DN100 3B LINE	3590256	Refer to the selection tables for proper configuration 114-117
COLLECTOR FLOW DN65 4B B2B	3590257	Refer to the selection tables for proper configuration 114-117
COLLECTOR RETURN DN65 4B B2B	3590258	Refer to the selection tables for proper configuration 114-117
COLLECTOR FLOW DN65 6B B2B	3590259	Refer to the selection tables for proper configuration 114-117
COLLECTOR RETURN DN65 6B B2B	3590260	Refer to the selection tables for proper configuration 114-117
COLLECTOR FLOW DN100 4B B2B	3590261	Refer to the selection tables for proper configuration 114-117
COLLECTOR RETURN DN100 4B B2B	3590262	Refer to the selection tables for proper configuration 114-117
COLLECTOR FLOW DN100 6B B2B	3590263	Refer to the selection tables for proper configuration 114-117
COLLECTOR RETURN DN100 6B B2B	3590264	Refer to the selection tables for proper configuration 114-117
COLLECTOR GAS DN65 2B LINE / 4B B2B	3590267	Refer to the selection tables for proper configuration 114-117
COLLECTOR GAS DN65 3B LINE / 6B B2B	3590268	Refer to the selection tables for proper configuration 114-117

Hydraulic accessories

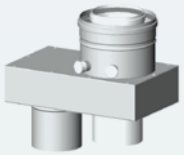
Cascade installation in line and back to back	Code	/ Genus Premium EVO HP EU 45-65	/ Genus Premium EVO HP EU 85-100	/ Genus Premium EVO HP EU 115-150
FLANGE KIT DN65	3590269	•	•	•
FLANGE KIT DN100	3590270		•	•
CONNECTION KIT 2 COLLECTORS DN65	3590271	•		
CONNECTION KIT 2 COLLECTORS DN100	3590272		•	•
BLIND KIT FOR 1 BOILER	3590273	•	•	•
CONNECTION KIT GHP 45-65 LINE	3590450	•		
CONNECTION KIT GHP 85-100 LINE	3590451		•	•
CONNECTION KIT GHP 45-65 B2B I	3590452	•		
CONNECTION KIT GHP 85-100 B2B	3590453		•	•
GAS FILTER 2IN INCL. CONNECTOR DN65	3590298	•	•	•
GAS FILTER DN65	3590300		•	•
EXTENSION TUBE GAS 2IN	3590299	•	•	•
EXTENSION TUBE GAS DN65	3590301		•	•

Cascade installation in line and back to back	Code	/ Genus Premium EVO HP EU 45-65	/ Genus Premium EVO HP EU 85-100	/ Genus Premium EVO HP EU 115-150
LOW LOSS HEADER DN65	3590444	•		
LOW LOSS HEADER DN100	3590445		•	•
INSULATION COLLECTOR 2B DN65	3590458	•		
INSULATION COLLECTOR 3B DN65	3590459	•		
INSULATION COLLECTOR 2B DN100	3590470		•	•
INSULATION COLLECTOR 3B DN100	3590471		•	•
INSULATION LOW LOSS HEADER DN65	3590456	•		
INSULATION LOW LOSS HEADER DN100	3590457		•	•
PLATE HEAT EXCH. CB200-30M TH-L CASCADE	3590357	•	•	•
PLATE HEAT EXCH. CB200-50M TH-L CASCADE	3590358	•	•	•
PLATE HEAT EXCH. CB200-64M TH-L CASCADE	3590359	•	•	•



Discharge flue accessories

Genus Premium EVO HP Stand alone installation	Code	/ Genus Premium EVO HP 85-100-115-150 kW	/ Genus Premium EVO HP 45-65 kW
FLUE ADAPTER CONC TO PAR GENUS HP	3580784		•
FLUE ADAPTER 100/100 PAR TO 110/150 CONC	12076281	•	
FLUE ADAPTER 100/100 PAR TO 100/150 CONC	12076292	•	
CONCENTRIC FLUE PIPE 110/150MM L=1M	3590224	•	
CONCENTRIC FLUE PIPE 110/150MM L=0.5M	3590225	•	
CONCENTRIC BEND 90 DEGR 110/150MM	3590226	•	
CONCENTRIC BEND 45 DEGR 110/150MM	3590227	•	
CONCENTRIC ROOF TERMINAL 110/150MM	3590228	•	
CONCENTRIC WALL TERMINAL 110/150MM	3590229	•	



Genus Premium EVO HP Stand alone installation	Code	/ Genus Premium EVO HP 85-100-115-150 kW	/ Genus Premiumì EVO HP 45-65 kW
FLUE ADAPTER INCL. TEST POINT 110MM	3590230	•	
FLUE PIPE 110MM L = 1M	3590231	•	
FLUE PIPE 110MM L = 0.5M	3590232	•	
FLUE BEND 90 DEGR 110MM	3590233	•	
FLUE BEND 45 DEGR 110MM	3590234	•	
FLUE ROOF TERMINAL 110MM	3590235	•	
FLUE WALL TERMINAL 110MM	3590236	•	
AIR ADAPTER INCL. TEST POINT 100MM	3590237	•	
AIR PIPE 100MM L = 1M	3590238	•	
AIR BEND 90 DEGR 100MM	3590239	•	
AIR BEND 45 DEGR 100MM	3590240	•	
AIR WALL TERMINAL 100MM	3590241	•	

Controls

Controls for cascade systems	Code	Genus Premium EVO HP EU
INTERFACCIA BUS CASCATA THW-SIEMENS	3318642	•
RVS 43 + WH BOX EE	3590864	•
RVS 43+RVS75+WH BOX EE	3590866	•
RVS75+WH BOX EE	3590867	•
OUTDOOR SENSOR QAC34.101	171237	•
ROOM CONTROLLER QAA75.610/101	12048253	•
HEADER/HOT WATER SENSOR QAZ36 CABLE 6M	12081759	•

Conventional gas boilers

With our Conventional range, we want to make sure everyone can find
the right solution for their thermic needs.
This range is available in different powers from 10kW to 35kW.
Moreover, they are fully compatible with existing Ariston accessories, including ON/OFF Thermostats and Modulating Thermostats.

- XC series - Closed chamber

XC series
comfort that lasts

Developed with technical experts and inspired by real life, the new XC boiler range takes the concept of durability to the next level. Thanks to the electronic control system and anti-freeze mode, these new boilers are fully protected from malfunctions and cold weather. They are also fitted with a copper heat exchanger designed to provide reliable performances over time and great resistance to corrosion. Besides, they offer a set of smart functions to let you customize your product to your specific thermal needs while enjoying continued comfort in complete safety.

Durable **Heating**

Copper heat exchanger with turbulators

In line with Ariston's long-standing commitment to creating products that offer exceptional levels of reliability and durability, the new XC boilers have been equipped with a copper heat exchanger with turbulators. This will provide reliable endurance performances over time, for the best comfort at home, every day.

High reliability

The heat exchanger is entirely made of copper, a durable material renowned for its excellent thermal conductivity and optimal resistance to high temperatures, pressures and corrosion.

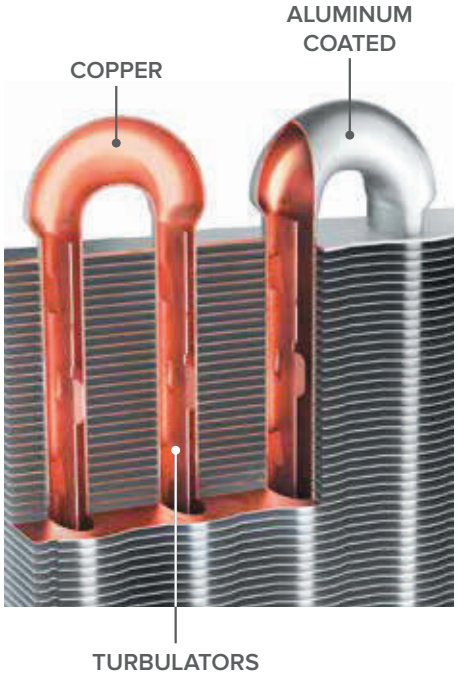
High performances

The turbulators induce turbulence in the water passing through the heat exchanger tubes, ensuring optimal thermal performances along with other important advantages:

/ Fouling deposits on the pipe surface are remarkably reduced.

/ Premature vaporization of the water and noise during operation are prevented.

/ Water temperature is kept uniform and the formation of temperature peaks is avoided.



Smart **Connectivity**

Smartly connected to your comfort

The new XC Series is Ariston NET Compatible. With a few taps on your smartphone, you can manage your boiler remotely, solve problems immediately and receive continuous technical support*. Moreover, the app offers seamless integration with the main voice control systems**, allowing you to control comfort also with the sound of your voice.

* Ariston NET'S remote assistance service is available by subscription to a maintenance contract.
**Ariston NET works with Apple Homekit, Amazon Alexa and Google Assistant.

Full **Comfort**

Smart functions and intuitive interface

The XC boiler range offers a host of smart functions for simple temperature setting, as well as many customization options to satisfy all needs. Plus, you can be confident that the noise level will remain the same over time.

Auto function

Let your boiler set the ideal temperature for your home. With this function, the product takes information from three internal and external sensors to auto-adjust the heating temperature due to outside conditions.

Comfort function

Get hot water almost instantaneously, reducing the waste of cold water.

Heating scheduled time programming

Set and adjust a weekly heating schedule directly from the product.

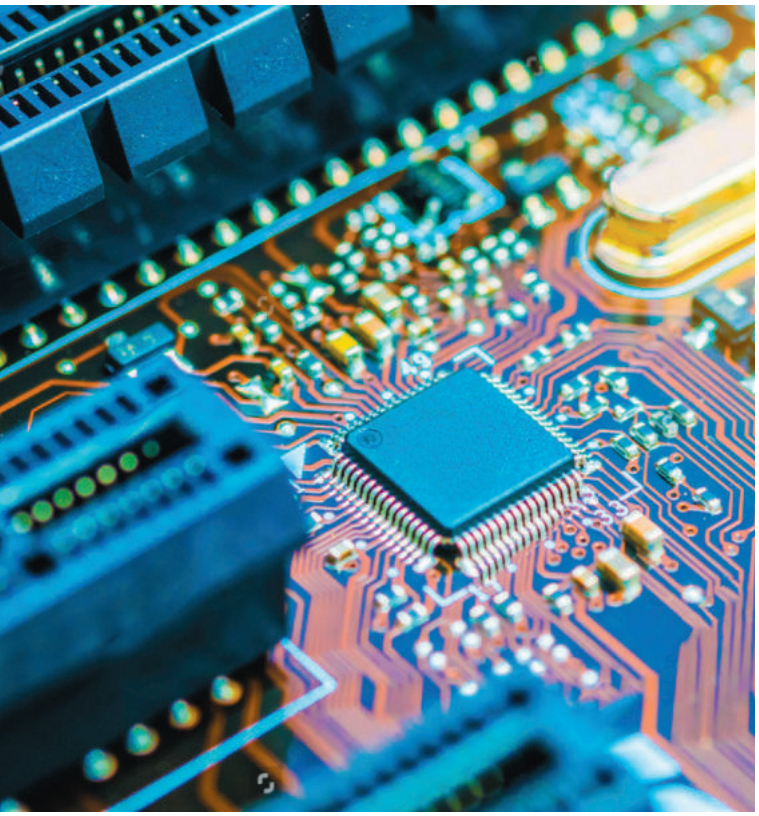
Ordinary maintenance reminder

Get alerts reminding you of when ordinary maintenance is due and letting you know if there is something wrong that needs to be checked by a professional.

Maximum **Safety**

Safety & protection system active at all time

The Safety & Protection system provides you with the peace of mind of knowing that you and your family will enjoy continued comfort in complete safety.



Boiler protection system

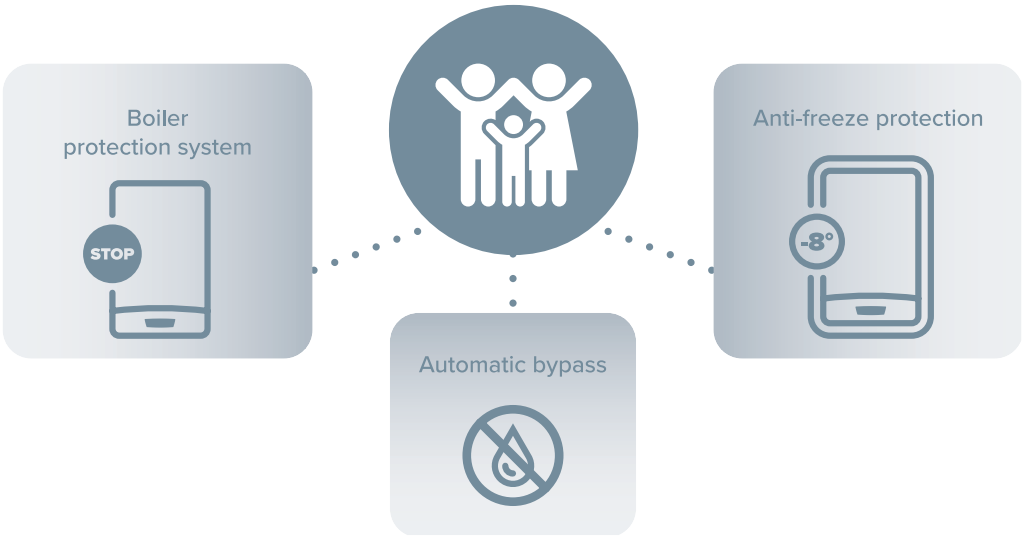
When an issue is detected, the electronic control board automatically locks-down the boiler.

Anti-freeze protection

Every time the product senses a temperature below 8°C, the anti-freeze function will run automatically to protect your boiler from freezing damage.

Automatic bypass

In case of a decrease in the water flow, the automatic bypass protects your boiler from the risk of overheating and pump breakdown.



The right **Solutions**

Comprehensive range for every need

With the new XC Series, everyone can be sure to find the right solution for their thermic needs - be it a basic heating system or a more complex and tailor-made one. Moreover, these new boilers are available in different powers ranging from 15kW to 35kW.

Ariston closed chamber wall hung boiler range

	ALTEAS XC			GENUS XC		
	24	30	35	24	30	35
ENERGY SAVING	**Up to 15%**			**Up to 15%**		
POWER RANGE	Combi FF 24-30-35 kW			Combi FF 24-30-35 kW		
EFFICIENCY	Up to 93,6% & Reduced electrical consumption			Up to 93,6% & Reduced electrical consumption		
CONNECTIVITY	WI-FI embedded			READY FOR		
DISPLAY	Large LCD & Touch screen display			Large LCD & Touch screen display		
SILENCE	Modulating pump and insulating panels			Modulating pump and insulating panels		
COMFORT FUNCTION						
DESIGN	Glass frontal panel, black color, compact structure, Italian design. Dimensions (H x L x W) 745 x 400 x 315 mm			Black and white color design, compact structure, Italian design. Dimensions (H x L x W) 745 x 400 x 315 mm		
INTEGRATION WITH OTHER PRODUCTS	BusBridgeNetR technology ready, Solar System management			BusBridgeNetR technology ready, Solar System management		
PAGE	86			88		

Closed chamber
wall hung boiler range

CLAS XC			CARES XC			
24	28	35	10	15	18	24
Up to 13%			**Up to 13%**			
Combi FF 24-28-35 kW System FF 24 -28-32			Combi FF 10-15-18-24 kW			
Up to 93,6%			Up to 93,6%			
READY FOR			READY FOR			
Large LCD Display			Large LCD Display & New Silicon Buttons			
-			-			
Compact structure, Italian design. Dimensions (H x L x W) 745 x 400 x 315 mm			Compact structure, Italian design. Dimensions (H x L x W) 745 x 400 x 315 mm			
BusBridgeNetR technology ready, Solar System management			BusBridgeNetR technology ready			
90 - 92 (heating only version)			94			

Alteas XC

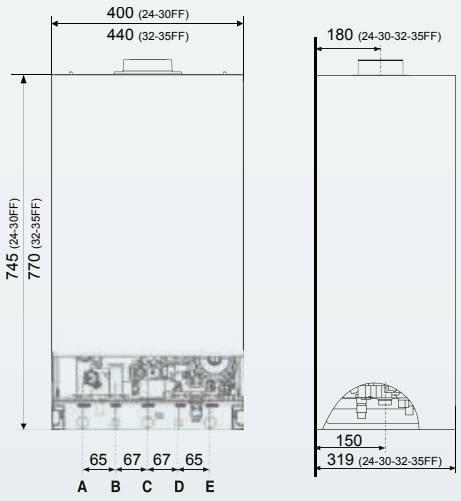
Top of the range boiler, italian designed and integrated connectivity

/ Simplified control: via smartphone with Ariston NET intuitive app.
/ Long-lasting, high performances: new TurboXC copper heat exchanger with turbolators coated in aluminum.
/ Elegant italian design to match any home: Large touchscreen display and scratch proof tempered glass.
/ Increased safety: thanks to multiple protection systems which prevent boiler malfunction in certain conditions.

Features

/ High Resolution LCD display
/ Busbridge net communication protocol
/ Auto, Comfort, Holiday and automatic scheduled maintenance reminder
/ Anti-freezing safety in case of low external temperature
/ Automatic bypass in case of decreased water flow

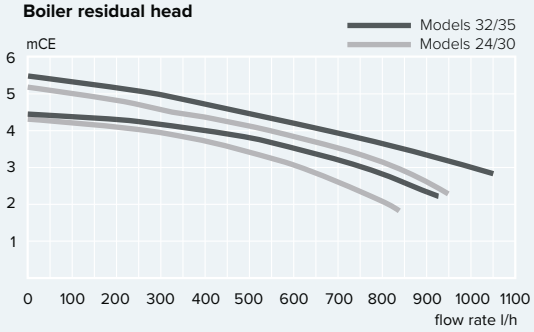
TurboXC™ copper heat exchanger with Turbulators



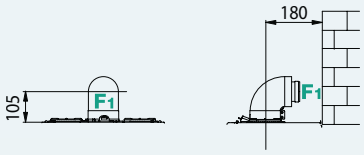
KEY
A \ Central Heating Flow
B \ Domestic Hot Water Outlet
C \ Gas Inlet
D \ Domestic Cold Water Inlet
E \ Central Heating Return

ITALIAN DESIGN | AUTO FUNCTION | COMFORT FUNCTION | SMART MENU | EASY INSTALLATION | EASY MAINTENANCE | SYSTEM MANAGEMENT

Boiler residual head

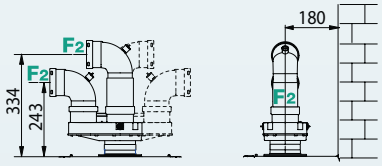


FF Versions - Coaxial exhaust



Ø60/100: up to 4m (24-28 kW) - 2m (32-35 kW)
Ø80/125: up to 11m (24-28 kW) - 8 m (32 kW) - 7 m (35 kW))

FF Versions - Twin pipe exhaust



Ø80/80: up to 45m (24kW) - 50m (28kW) - 33m (32 kW) - 33m (35 kW)

TECHNICAL DATA		24 FF	30 FF	35 FF
POWER SPECIFICATIONS				
Max/min nominal heat input(Hi)	kW	25,8/11,0	30,0/13,0	34,5/15,0
Max/min nominal heat input (Hs)	kW	28,7/12,2	33,3/14,4	38,3/16,7
Max/min nominal heat input for hot water (Hi)	kW	25,8/11,0	30,0/13,0	34,5/15,0
Max/min nominal heat input for hot water (Hs)	kW	28,7/12,2	33,3/14,4	38,3/16,7
Heat output: max/min	kW	24,0/9,5	28,1/11,6	32,3/13,2
D.H.W. Heat output: max/min	kW	23,6/10,0	27,4/11,9	32,2/14,0
Combustion efficiency (of flue gas)	%	93,7	93,8	93,9
Gross efficiency of nominal heat input (60/80 °C) Hi/Hs	%	93,1/83,8	93,6/84,3	93,6/84,3
Gross efficiency at 30 % at 47°C Hi/Hs	%	93,3/84,0	93,7/84,4	92,6/83,4
Gross efficiency at minimum power Hi/Hs	%	86,7/78,1	93,7/84,4	88,2/79,4
Number of efficiency stars (Directive 92/42/EEC)	stars	★★★	★★★	★★★
Ma. heat loss to the casing (ΔT = 50°C)	%	0,6	0,2	0,3
Heat loss through the flue when burner on	%	6,3	6,2	6,1
Heat loss through the flue when burner off	%	0,4	0,4	0,4
EMISSIONS				
Residual discharge head	Pa	120	145	130
Nox class	class	3	3	3
Flue fumes temperature (G20)	°C	117	110	112
CO2 content2 (G20)	%	6,5	6,1	6,4
CO content (0 %02)	ppm	60	111	159
O2 content2 (G20)	%	8,8	9,5	9
Max capacity fumes (G20)	kg/h	56,9	71,2	77,2
Excess air	%	72	83	75
HEATING CIRCUIT				
Expansion vessel pre-charged pressure	Mpa (bar)	0,1 (1)	0,1 (1)	0,1 (1)
Maximum central heating circuit pressure	Mpa (bar)	0,3 (3)	0,3 (3)	0,3 (3)
Expansion vessel capacity	l	8	8	8
Central heating temperature: max/min	°C	82/35	82/35	82/35
DOMESTIC HOT WATER CIRCUIT				
Domestic hot water temperature max/min	°C	60/36	60/36	60/36
Specific flow rate of domestic hot water system (10 min. with ΔT=30°C) instant boilers	l/min	11,2	13,2	15,1
D.H.W. flow rate ΔT=25°C	l/min	13,5	15,7	18,5
D.H.W. flow rate ΔT=35°C	l/min	9,6	11,2	13,2
Hot water comfort stars (EN13203)	stars	★★	★★	★★
D.H.W. minimum flow rate	l/min	1,7	1,7	1,7
Domestic hot water pressure max/min	Mpa (bar)	0,7/0,1 (7/1)	0,7/0,1 (7/1)	0,7/0,1 (7/1)
ELECTRICAL				
Power supply voltage/frequency	V/Hz	220/50	220/50	220/50
Power consumption	W	84	101	101
Minimum operating room temperature	°C	5	5	5
Electric system grades of protection	IP	X5D	X5D	X5D
Weight	kg	31	32	31
CODE				
		3301673	3301674	3301675

For complete list of accessories see from page 120 on.

Clas XC

Conventional boiler with wide range of functions

/ Long-lasting, high performances: new TurboXC copper heat exchanger with turbolators coated in aluminum.
/ Increased safety: thanks to multiple protection systems which prevent boiler malfunction in certain conditions.
/ Simplified control: via smartphone with Ariston NET intuitive app (enabled with optional accessory).

Energy Class

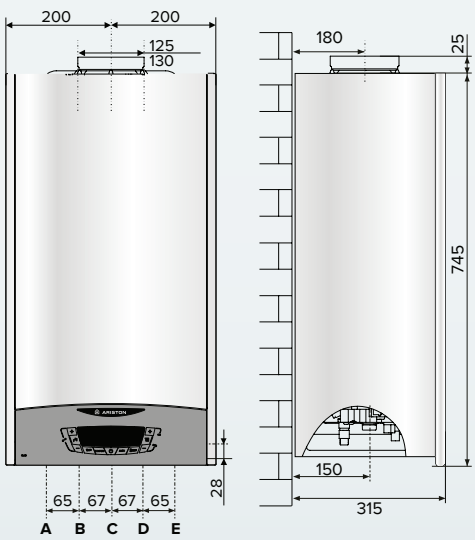
C

B

Features

/ High Resolution LCD display with responsive buttons
/ Busbridge net communication protocol
/ Anti-freezing safety in case of low external temperature
/ Automatic bypass in case of decreased water flow
/ 2 speed pump with DLC treatment

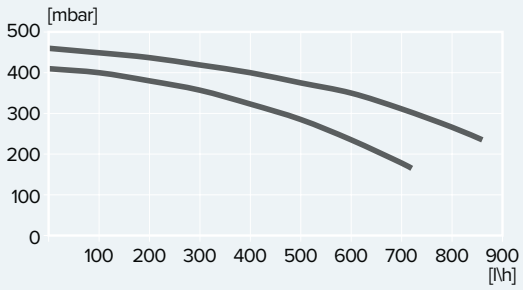
TurboXC™ copper heat exchanger with Turbulators



KEY
A \ System delivery Ø 3/4" gas
B \ Domestic hot water Ø 1/2" gas
C \ Gas inlet Ø 3/4" gas
D \ Domestic hot water inlet Ø 1/2" gas
E \ System return Ø 3/4" gas

ITALIAN DESIGN | AUTO FUNCTION | COMFORT FUNCTION | EASY TO USE | EASY INSTALLATION | EASY MAINTENANCE | SYSTEM MANAGEMENT

Boiler residual head



TECHNICAL DATA		24 FF	28 FF	35 FF
POWER SPECIFICATIONS				
Max/min nominal heat input(Hi)	kw	25,8/11	30/13	34,5/15,0
Max/min nominal heat input (Hs)	kw	28,7/12,2	33,3/14,4	38,3/16,7
Max/min nominal heat input for hot water (Hi)	kw	25,8/11	30/13	34,5/15,0
Max/min nominal heat input for hot water (Hs)	kw	28,7/12,2	33,3/14,4	38,3/16,7
Heat output: max/min	kw	24/9,5	28,1/11,6	32,3/13,2
D.H.W. Heat output: max/min	kw	23,6/10	27,4/11,9	32,2/14
Combustion efficiency (of flue gas)	%	93,7	93,8	93,9
Gross efficiency of nominal heat input (60/80 °C) Hi/Hs	%	93,1/83,8	93,6/84,3	93,6/84,3
Gross efficiency at 30 % at 47°C Hi/Hs	%	93,3/84	93,7/84,4	92,6/83,4
Gross efficiency at minimum power Hi/Hs	%	86,7/8,1	89,3/80,4	88,2/79,4
Number of efficiency stars (Directive 92/42/EEC)	stars	★★★	★★★	★★★
Ma. heat loss to the casing (ΔT = 50°C)	%	0,6	-	0,3
Heat loss through the flue when burner on	%	6,3	6,5	6,1
Heat loss through the flue when burner off	%	0,4	0,4	0,4
EMISSIONS				
Residual discharge head	Pa	120	145	130
Nox class	class	3	3	3
Flue fumes temperature (G20)	°C	117	110	112
CO2 content2 (G20)	%	6,5	6,1	6,4
CO content (0 %02)	ppm	60	111	159
O2 content2 (G20)	%	6,5	9,5	9
Max capacity fumes (G20)	kg/h	56,9	71,2	77,2
Excess air	%	72	83	75
HEATING CIRCUIT				
Expansion vessel pre-charged pressure Mpa	bar	1	1	1
Maximum central heating circuit pressure Mpa	bar	3	3	0,3 (3)
Expansion vessel capacity	l	6,5	6,5	8
Central heating temperature: max/min	°C	82/35	35/82	82/35
DOMESTIC HOT WATER CIRCUIT				
Domestic hot water temperature max/min	°C	60/35	60/35	60/36
Specific flow rate of domestic hot water system (10 min. with ΔT=30°C) instant boilers	l/min	11,2	13,2	15,1
D.H.W. flow rate ΔT=25°C	l/min	13,5	15,7	18,1
D.H.W. flow rate ΔT=35°C	l/min	9,6	11,2	13,2
Hot water comfort stars (EN13203)	stars	★★	★★	★★★
D.H.W. minimum flow rate l/min	l/min	2	2	<2
Domestic hot water pressure max/min Mpa	bar	7	7	0,7/0,1 (7/1)
ELECTRICAL				
Power supply voltage/frequency	V/Hz	220/50	220/50	220/50
Power consumption	W	108	131	131
Minimum operating room temperature	°C	5	5	5
Electric system grades of protection	IP	X5D	X5D	X5D
Weight	kg	29	28	32
CODE				
		3301676	3301677	3301678

For complete list of accessories see from page 120 on.

Cares XC

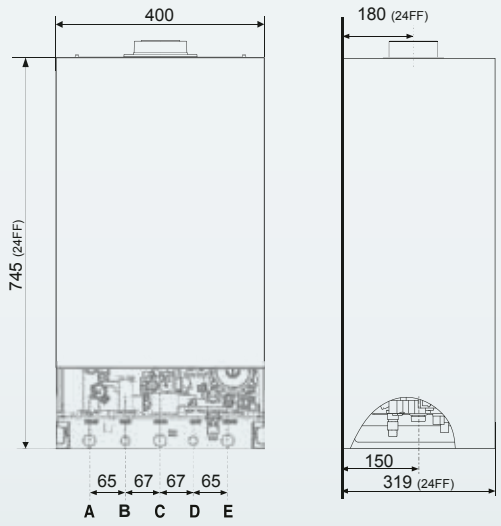
Compact conventional boiler

/ Long-lasting, high performances: new TurboXC copper heat exchanger with turbolators coated in aluminum.
/ Everywhere fitting: thanks to the compact design and silent operation.
/ Increased safety: thanks to multiple protection systems which prevent boiler malfunction in certain conditions.

Features

/ High Resolution LCD display with responsive buttons
/ Busbridge net communication protocol
/ Anti-freezing safety in case of low external temperature
/ Automatic bypass in case of decreased water flow

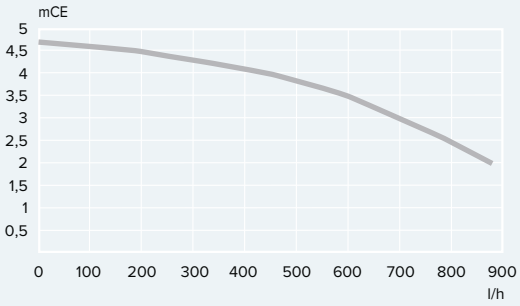
TurboXC™ copper heat exchanger with Turbulators



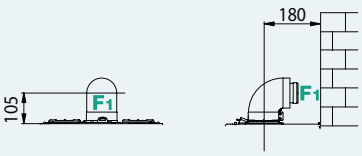
KEY
A \ Central Heating Flow
B \ Domestic Hot Water Outlet
C \ Gas Inlet
D \ Domestic Cold Water Inlet
E \ Central Heating Return

EASY TO USE | EASY INSTALLATION | EASY MAINTENANCE | SYSTEM MANAGEMENT | MADE IN ITALY

Boiler residual head

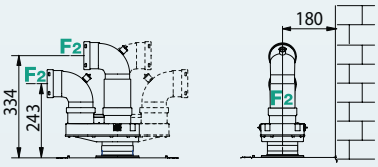


FF Versions - Coaxial exhaust



Max lenght:
Ø60/100: up to 4m (15-18-24 kW)
Ø80/125: up to 11m (15-18-24 kW)

FF Versions - Twin pipe exhaust



Max lenght:
Ø80/80: up to 45m (15-18-24 kW)

TECHNICAL DATA		10 FF	15 FF	18 FF	24 FF
POWER SPECIFICATIONS					
Max/min nominal heat input(Hi)	kW	11,0/11,0	15,0/11,0	19,0/11,0	25,8/11,0
Max/min nominal heat input (Hs)	kW	12,2/12,2	16,7/12,2	21,1/12,2	28,7/12,2
Max/min nominal heat input for hot water (Hi)	kW	25,8/11,0	25,8/11,0	25,8/11,0	25,8/11,0
Max/min nominal heat input for hot water (Hs)	kW	28,7/12,2	28,7/12,2	28,7/12,2	28,7/12,2
Heat output: max/min	kW	9,5/9,5	13,5/9,5	17,8/9,5	24,0/9,5
D.H.W. Heat output: max/min	kW	23,6/10,0	23,6/10,0	23,6/10,0	23,6/10,0
Combustion efficiency (of flue gas)	%	86,41	92,9	93,8	93,7
Gross efficiency of nominal heat input (60/80 °C) Hi/Hs	%	86,7/78,1	90,2/81,2	93,6/84,3	93,1/83,8
Gross efficiency at 30 % at 47°C Hi/Hs	%	86,7/78,1	89,3/80,4	92,4/83,2	93,3/84,0
Gross efficiency at minimum power Hi/Hs	%	86,7/78,1	86,7/78,1	86,7/78,1	86,7/78,1
Number of efficiency stars (Directive 92/42/EEC)	stars	★	★★	★★★	★★★
Ma. heat loss to the casing (ΔT = 50°C)	%	-	2,7	0,2	0,6
Heat loss through the flue when burner on	%	13,6	7,1	6,2	6,3
Heat loss through the flue when burner off	%	0,4	0,4	0,4	0,4
EMISSIONS					
Residual discharge head	Pa	120	120	120	120
Nox class	class	3	3	3	3
Flue fumes temperature (G20)	°C	101	115	115	117
CO2 content2 (G20)	%	2,3	5,5	6,5	6,5
CO content (0 %02)	ppm	75	40	22	60
O2 content2 (G20)	%	16,5	10,6	8,8	8,8
Max capacity fumes (G20)	kg/h	56,9	56,9	56,9	56,9
Excess air	%	367	101	72	72
HEATING CIRCUIT					
Expansion vessel pre-charged pressure	Mpa (bar)	0,1 (1)	0,1 (1)	0,1 (1)	0,1 (1)
Maximum central heating circuit pressure	Mpa (bar)	0,3 (3)	0,3 (3)	0,3 (3)	0,3 (3)
Expansion vessel capacity	l	8	8	8	8
Central heating temperature: max/min	°C	82/35	82/35	82/35	82/35
DOMESTIC HOT WATER CIRCUIT					
Domestic hot water temperature max/min	°C	60 60/36/36	60/36	60/36	60/36
Specific flow rate of domestic hot water system (10 min. with ΔT=30°C) instant boilers	l/min	11 11,2,2	11,2	11,2	11,2
D.H.W. flow rate ΔT=25°C	l/min	13,5	13,5	13,5	13,5
D.H.W. flow rate ΔT=35°C	l/min	9,6	9,6	9,6	9,6
Hot water comfort stars (EN13203)	stars	★★	★★	★★	★★
D.H.W. minimum flow rate	l/min	<2	<2	<2	<2
Domestic hot water pressure max/min	Mpa (bar)	0,7/0,1 (7/1)	0,7/0,1 (7/1)	0,7/0,1 (7/1)	0,7/0,1 (7/1)
ELECTRICAL					
Power supply voltage/frequency	V/Hz	220/50	220/50	220/50	220/50
Power consumption	W	112	112	112	112
Minimum operating room temperature	°C	5	5	5	5
Electric system grades of protection	IP	X5D	X5D	X5D	X5D
Weight	kg	28	28	28	28
CODE					
		3301685	3301684	3301683	3301682

For complete list of accessories see from page 120 on.

Cylinders

Ariston's cylinders are designed to fit perfectly inside our systems to meet any hot water demand, providing superior comfort.

- BC1S-2S 7B
- Maxis CDZ
- Maxis CD1-CD1F-CD2F
- Maxis CK1-CKZ

Cylinders

	BC1S 7B			BC2S 7B			MAXIS CDZ		
	200	300	450	200	300	450	800	1000	1500
ENELGY CLASS	B	B	B	B	B	B	C	C	C
INSTALLATION	FLOOR			FLOOR			FLOOR		
BOILER COMPATIBLE	yes			yes			yes		
SOLAR COMPATIBLE	yes			yes			yes		
1st COIL SURFACE (m2)	0,8	1,3	2	0,8	1,3	2	-		
2nd COIL SURFACE (m2)	-			0,5	0,8	1	-		
TITANIUM ENAMELLED	yes			yes			yes		
ANTI-CORROSION PROTECTION	yes			yes			no		
STANDARD ELECTRIC RESISTANCE	-			-			-		
OPTIONAL ELECTRIC RESISTANCE	yes			yes			yes		
RECIRCULATION	yes			yes			yes		
PAGE	146			147			148		

Cylinders

	MAXIS CD1		MAXIS CD1 F		MAXIS CD2 F				
	1500	2000	800F	1000F	800F	1000F	1500F	2000F	2500F
ENELGY CLASS	C	C	B	C	B	C	C	C	-
INSTALLATION	FLOOR		FLOOR		FLOOR				
BOILER COMPATIBLE	yes		yes		yes				
SOLAR COMPATIBLE	yes		yes		yes				
1st COIL SURFACE (m2)	-		2,5	3	2,4	2,5	4,2	4,5	6
2nd COIL SURFACE (m2)	-				2,4	2,5	2,5	3	3,5
TITANIUM ENAMELLED	yes		yes		yes				
ANTI-CORROSION PROTECTION	no		no		no				
STANDARD ELECTRIC RESISTANCE	-		-		-				
OPTIONAL ELECTRIC RESISTANCE	yes		yes		yes				
RECIRCULATION	yes		yes		yes				
PAGE	149		150		151				

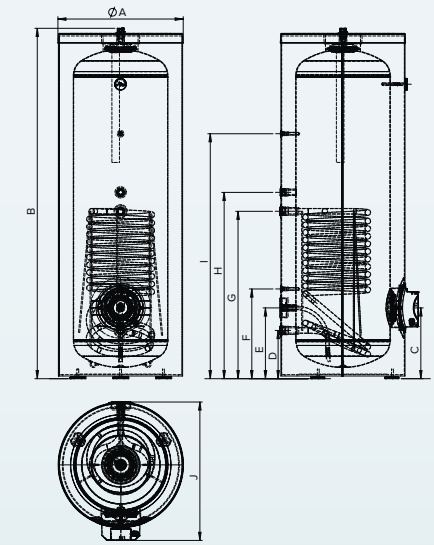
BC1S 7B

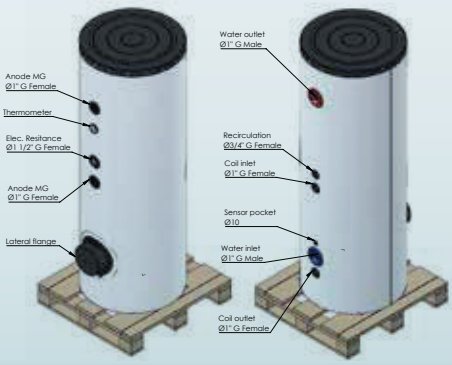
MADE IN EUROPE | SOLAR INTEGRATION | EASY INSPECTION

Floor-standing indirect cylinder with coil

Features

- / Boiler protection with exclusive titanium-based enamel treatment at 850°C
- / Single-coil, folded-down for uniform heating of tank
- / Equipped for recirculation
- / Upper flange with integrated anode
- / 105 mm front inspection flange
- / Magnesium anode
- / Adjustable support feet
- / 2 kw electrical integration kit (for 200 and 300 litre models) or 6 kw (450 L) available on request





TECHNICAL DATA		BC1S 200	BC1S 300	BC1S 450
Coil capacity	l	5	9,6	13
Coil surface	m^2	0,8	1,3	2
Exchanger output (En 15332)	kW	14	22,4	38
Exchanger output (En 12897)	kW	12,5	17,9	25
Coil resistance	mbar	12	16	17
Max. working pressure	bar	7	7	7
Thermal loss EN 60379	kWh/24h	1,46	1,66	1,92
Maximum temperature	°C	90	90	90
Weight	kg	72	100	140
DIMENSIONS				
A	mm	656	656	751
B	mm	1331	1853	1978
C	mm	374	374	374
D	mm	255	255	255
E	mm	374	374	374
F	mm	474	474	474
G	mm	685	885	1045
H	mm	785	985	1145
I	mm	905	1295	1435
J	mm	730	730	825

CODE

ErP ENERGY RELATED PRODUCTS			
	3070608	3070609	3070610
Energy class	B	B	B

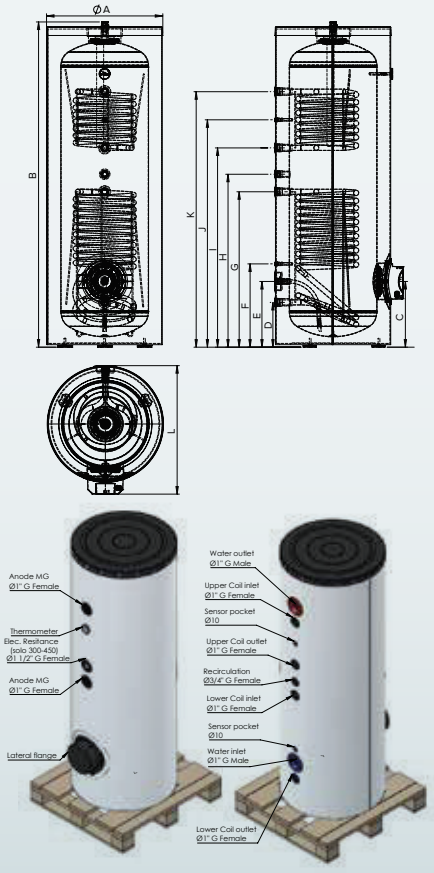
BC 2S 7B

MADE IN EUROPE | SOLAR INTEGRATION | EASY INSPECTION

Floor-standing indirect cylinder with double coil

Features

- / Boiler protection with exclusive titaniumbased enamel treatment at 850°C
- / Double coil with high surface to couple with fossil or solar energies
- / Equipped for recirculation
- / Upper flange with integrated anode
- / 105 mm front inspection flange
- / Magnesium anode
- / Adjustable support feet
- / 2 kw electrical integration kit (for 200 and 300 litre models) or 6 kw (450 l) available on request



TECHNICAL DATA		BC2S 200	BC2S 300	BC2S 450
Coil capacity	l	3,2	6	7,5
Coil surface	m^2	0,5	0,8	1
Exchanger output (En 15332)	kW	10	14,5	20
Exchanger output (En 12897)	kW	9,8	13,8	17,4
Coil resistance	mbar	9	11	10
BOTTOM COIL				
Coil capacity	l	5	9,6	13
Coil surface	m^2	0,8	1,3	2
Exchanger output (En 15332)	kW	14	22,4	38
Exchanger output (En 12897)	kW	12,5	17,9	25
Coil resistance	mbar	12	16	17
Max. working pressure	bar	7	7	7
Thermal loss EN 60379	kWh/24h	1,46	1,66	1,92
Maximum temperature	°C	90	90	90
Weight	kg	80	107	150
DIMENSIONS				
A	mm	656	656	751
B	mm	1331	1853	1978
C	mm	374	374	374
D	mm	255	255	255
E	mm	374	374	374
F	mm	474	474	474
G	mm	605	885	1045
H	mm	705	985	1145
I	mm	805	1135	1295
J	mm	905	1295	1435
K	mm	1005	1455	1575
L	mm	730	730	825
CODE				
ErP ENERGY RELATED PRODUCTS		3070616	3070617	3070618
Energy class		B	B	B

Maxis CDZ

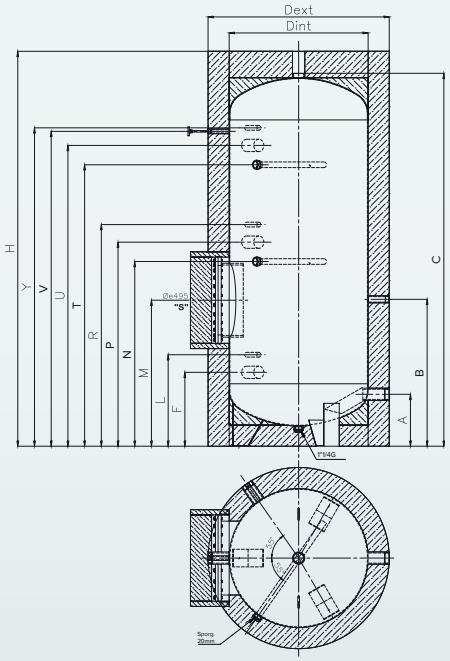
MADE IN ITALY

EASY INSPECTION

Floor-standing vertical cylinder with high capacity for the storage of domestic hot water

Features

/ Steel boiler with exclusive titanium-based enamel treatment
/ Magnesium anti-corrosion anode
/ Recirculation
/ Inspection flange
/ Integrated probe-housing sheath
/ Flexible removable insulation
/ Active anode available as accessory
/ 400 mm inspection flange
/ Available heating element up to 15 kW



	800-1000-1500	2000-2500-3000
1. Cold water inlet	G2" F	G2" F
2. Hot water outlet	G 2"F	G 2"F
3. Recirculation	G 1" F	G 1 ½ " F
4. Sanitary circuit return	G 2"F	G 2"F
5. Draining fitting connection	G 1 ¼ "F	G 1 ¼ "F
6. Well	G ½ "F	G ½ "F
7. Flange	ø 495	ø 495
8. Magnesium anode	G 1 ¼ " F	G 1 ¼ " F
9. Upper fitting connection	G 1 ¼ "F	G 1 ¼ "F

TECHNICAL DATA		MAXIS CDZ 800	MAXIS CDZ 1000	MAXIS CDZ 1500	MAXIS CDZ 2000	MAXIS CDZ 2500	MAXIS CDZ 3000
Capacity	l	776	886	1492	1940	2470	2880
Max. working pressure	bar	8	8	8	8	8	8
Max. cylinder working temperature	°C	95	95	95	95	95	95
Thermal loss (EN 60379)	kWh/24h	3	3,1	3,8	4,28	4,67	5,1
Empty weight	kg	228	256	349	432	524	576
DIMENSIONS							
A	mm	295	290	350	430	330	330
B	mm	835	830	820	910	860	960
C	mm	1870	2095	1935	2095	2065	2355
F	mm	420	415	475	565	465	465
H	mm	1995	2220	2060	2220	2190	2480
L	mm	520	515	575	665	565	565
M	mm	800	825	835	945	895	895
N	mm	-	1045	1055	1210	1145	1260
P	mm		1155	965	1120	1020	1170
R	mm	1065	1255	1065	1220	1120	1270
T	mm	1265	1595	1360	1460	1510	1810
U	mm	1460	1685	1465	1535	1605	1895
V	mm	1540	1765	1550	1625	1695	1985
Y	mm	1560	1785	1565	1635	1705	1995
D int	mm	790	790	1100	1200	1350	1350
D ext	mm	1030	1030	1340	1440	1590	1590

CODE

	3060684	3060685	3060612	3060613	3060614	3060615
Energy class	C	C	C	C	-	-

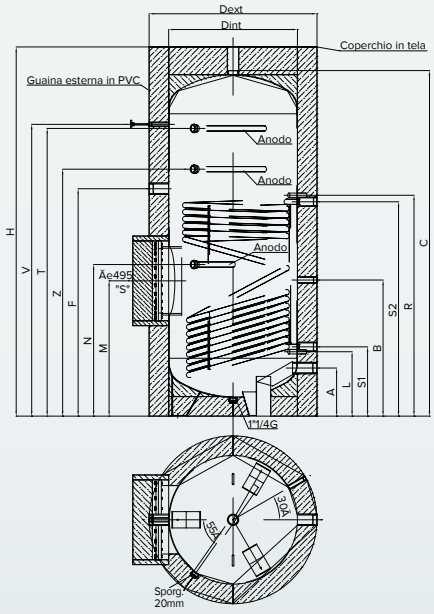
Maxis CD1

MADE IN ITALY | SOLAR INTEGRATION | EASY INSPECTION

Floor-standing vertical single-coil cylinder for the production of domestic hot water. Integrable with forced circulation solar system or high power heating system

Features

- / Steel boiler with exclusive titanium-based enamel treatment
- / Magnesium anti-corrosion anode
- / Recirculation
- / Inspection flange
- / Integrated probe-housing sheath
- / Available heating element kit
- / Integrated thermometer
- / Flexible removable insulation
- / Active anode available as accessory
- / 400 mm inspection flange
- / Available heating element up to 15 kw on the lateral flange, and up to 6 kW on the cap connection



KEY

1 \ Cold water inlet G2" F
2 \ Hot water outlet G 2"F
3 \ Recirculation G 1 ½ " F
4 \ Heating element G 1 ½ " F
5 \ Draining fitting connection G 1 ¼ "F
6 \ Well G ½" F
7 \ Flange ø 400
8 \ Magnesium anode G 1 ¼ " F
9 \ Thermometer
10 \ Primary ciurcuit flow G 1 ½ " F
11 \ Primary ciurcuit return G 1 ½ " F
12 \ Upper fitting connection G 1 ¼ " F

TECHNICAL DATA		MAXIS CD1 800	MAXIS CD1 1000
Capacity	l	757	862
Maximum temperature	°C	95	95
Thermal loss (EN 60379)	kWh/24h	3	3,2
Maximum operating pressure	bar	8	8
Coil surface	m^2	2,5	3
Exchanger ouput	kW	34,8	41,8
Pressure loss through coil	mbar	15	19
Net Weight	kg	1016	1154
DIMENSIONS			
A	mm	295	290
B	mm	735	830
C	mm	1870	2095
F	mm	1000	1130
H	mm	1995	2220
L	mm	420	390
M	mm	475	490
N	mm	475	490
R	mm	940	1065
T	mm	1500	1760
V	mm	1540	1765
S1	mm	450	450
S2	mm	900	1025
Dint	mm	790	790
Dext	mm	1030	1030
CODE			
ErP		3060689	3060690
Energy class		C	C

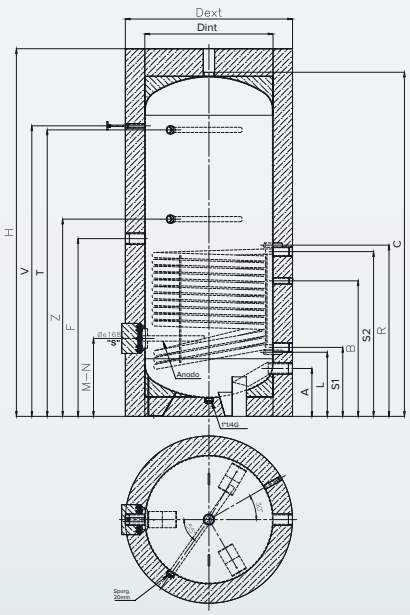
Maxis CD1 F

MADE IN ITALY | SOLAR INTEGRATION | EASY INSPECTION

Floor-standing vertical single-coil cylinder for the production of domestic hot water. Integrable with forced circulation solar system or high power heating system

Features

- / Steel boiler with exclusive titanium-based enamel treatment
- / Magnesium anti-corrosion anode
- / Recirculation
- / Inspection flange
- / Two integrated probe-housing sheaths
- / Available heating element kit
- / Integrated thermometer
- / Pre-assembled flexible removable insulation
- / Active anode available as accessory
- / Available heating element up to 6 kW



KEY

1 \ Cold water inlet G2" F
2 \ Hot water outlet G 2"F
3 \ Recirculation G 1" F
4 \ Sanitary circuit return G 1 ½ " F
5 \ Draining fitting connection G 1 ¼ "F
6 \ Well G ½" F
7 \ Flange ø 110
8 \ Magnesium anode G 1 ¼ " F
9 \ Thermometer
10 \ Primary ciurcuit flow G 1 ½ " F
11 \ Primary ciurcuit return G 1 ½ " F
12 \ Upper fitting connection G 1 ½ " F

TECHNICAL DATA		MAXIS CD1 800F	MAXIS CD1 1000F
Capacity	l	757	862
Maximum temperature	°C	95	95
Thermal loss (EN 60379)	kWh/24h	2,4	2,6
Maximum operating pressure	bar	8	8
Coil surface	m^2	2,5	3
Exchanger ouput	kW	24,8	41,8
Pressure loss through coil	mbar	15	19
Net Weight	kg	975	1113
DIMENSIONS			
A	mm	295	290
B	mm	735	830
C	mm	1870	2095
F	mm	1000	1130
H	mm	1995	2220
L	mm	420	390
M	mm	475	490
N	mm	475	490
R	mm	940	1065
T	mm	1500	1760
V	mm	1540	1765
Z	mm	-	-
S1	mm	450	420
S2	mm	900	1025
D int	mm	790	790
D ext	mm	1030	1030
CODE			
ErP		3060692	3060693
Energy class		B	C

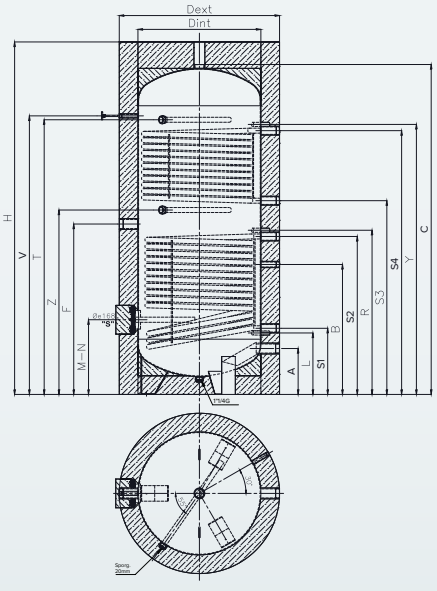
Maxis CD2 F

MADE IN ITALY | SOLAR INTEGRATION | EASY INSPECTION

Floor-standing vertical double-coil cylinder for the production of domestic hot water. Integrable with forced circulation solar system or high power heating system

Features

- / Steel boiler with exclusive titanium-based enamel treatment
- / Magnesium anti-corrosion anode
- / Recirculation
- / Inspection flange
- / Integrated probe-housing sheath
- / Available heating element kit
- / Integrated thermometer
- / Flexible removable insulation
- / Large solar surface exchanger and integration for the maximum efficiency
- / Coil and back sanitary connections for easy installation
- / Available 6 kW heating element



	800 - 1000 - 1500	2000 - 2500
1. Cold water inlet	G2" F	G2" F
2. Hot water outlet	G 2"F	G 2"F
3. Recirculation	G 1" F	G 1 ½ " F
4. Heating element	G 1 ½ " F	G 1 ½ " F
5. Draining fitting connection	G 1 ¼ "F	G 1 ¼ "F
6. Well	G ½ "F	G ½ "F
7. Flange	ø 110	ø 110
8. Magnesium anode	G 1 ¼ " F	G 1 ¼ " F
9. Thermometer		
10. Lower coil flow	G 1 ½ " F	G 1 ½ " F
11. Lower coil return	G 1 ½ " F	G 1 ½ " F
12. Upper coil flow	G 1 ½ " F	G 1 ½ " F
13. Upper coil return	G 1 ½ " F	G 1 ½ " F
14. Upper fitting connection	G 1 ¼ "F	G 1 ¼ "F

TECHNICAL DATA		MAXIS CD2 800F	MAXIS CD2 1000F	MAXIS CD2 1500F	MAXIS CD2 2000F	MAXIS CD2 2500F
Capacity	l	738	848	1440	1884	2395
Maximum temperature	°C	95	95	95	95	95
Thermal loss (EN 60379)	kWh/24h	2,4	2,7	3,3	3,9	4,5
Maximum operating pressure	bar	8	8	8	8	8
SOLAR COIL						
Coil surface	m^2	2,4	2,5	4,2	4,5	6
Exchanger ouput	kW	34,8	41,8	62,6	75,6	84
Pressure loss through coil	mbar	15	15	25,7	27,6	38,2
UPPER COIL						
Coil surface	m^2	2,4	2,5	2,5	3	3,5
Exchanger ouput	kW	33,4	34,8	34,8	41,8	48,7
Pressure loss through coil	mbar	15	16	15,7	17	21,5
Net Weight	kg	251	276	291	483	608
DIMENSIONS						
A	mm	295	290	350	430	330
B	mm	735	830	820	910	860
C	mm	1870	2095	1935	2095	2065
F	mm	1000	1130	1185	1310	1225
H	mm	1995	2220	2060	2220	2190
L	mm	420	390	450	535	440
M	mm	475	490	585	685	595
N	mm	475	490	585	685	595
R	mm	940	1065	1150	1280	1185
T	mm	1500	1760	1510	1625	1695
V	mm	1540	1765	1575	1645	1695
Z	mm	-	-	-	-	1340
S1	mm	450	420	480	565	470
S2	mm	900	1025	1110	1240	1145
S3	mm	1025	1150	1200	1270	1295
S4	mm	1475	1600	1535	1605	1675
D int	mm	790	790	1100	1200	1350
D ext	mm	1030	1030	1340	1440	1590
CODE						
ErP		3060695	3060696	3060619	3060620	3060621
Energy class		B	C	C	C	-

Cylinder Accessories

Description	Code	BC1S 7B	BC2S 7B	CDZ	CD1	CD1 F	CD2 F
Electric Kit 2 kW 230-400V 1 1/2"	3078222	•	•				
Electric Kit 6 KW 400V - 1 1/2'	3078223	• (only 450l)	• (only 450l)				
Electric Kit BDR CDS 1,5 KW-230V	3078069						
Electric Kit BDR CDS 2,5 KW-230V	3078070						
Electric Kit BDR CDS 2,5 KW-TRI	3078071						
Electric Kit 3 KW 230-400V	3105046			•	•	•	•

Description	Code	BC1S 7B	BC2S 7B	CDZ	CD1	CD1 F	CD2 F
Electric Kit 12 KW 400V	3078157			●	●	●	●
Electric Kit 24 KW 400V	3078158			●	●*	●**	●**
Electric Kit 36 KW 400V	3078159			●	●*		
Flange DN 400 for electric kit INST	3105044			●	●		
Flange DN 168 for electric kit INST	3105045					●	●

*3105044 mandatory
**3105045 mandatory

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