ARISTON

The home of sustainable comfort


# Solar Water Heating Systems and Cylinders

WATER HEATERS · SOLAR SYSTEMS · HEAT PUMPS · GAS BOILERS

# 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**

# 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

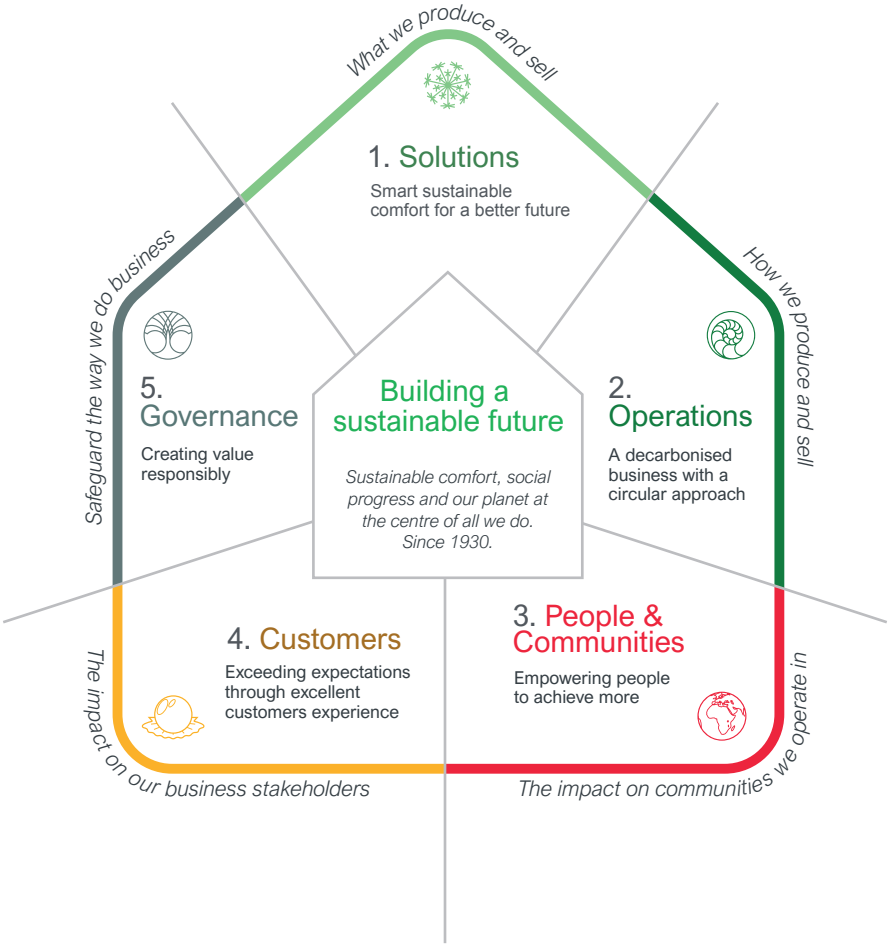
# Believe in **future**

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.



# SUSTAINABLE DEVELOPMENT GOALS


## 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 water heaters


### Easy Control

\ Temperature setting
\ Operating modes
\ Programming
\ Advanced appliance settings
\ Voice control

### Energy Saving

\ Energy monitoring
\ Energy advice

### Prompt Assistance

\ Error notification
\ Find nearest Service Centre


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.


ARISTON

# The most effective way to convert free and clean solar energy into domestic hot water. All year round.

Kairos solar water heaters captures solar energy and exploit it to heat water for domestic use.

Thanks to a performing panel, the thick tank insultation and the optimised water stratification, it delivers a stable and constant hot water temperature during withdrawal.

Easy to install and manufactured with high-quality materials, ensuring outstanding performance over time, it’s the ideal solution for residential and commercial hot water applications.

# 30 years of experience at your service

For Ariston, sustainable comfort is not a recent statement. Kairos range is the result of over 30 years of system design and testing of the best solar technologies.

Our first solar collector has been certified in Italy in 1982, produced in Serra De Conti (Italy). Today Ariston's commitment has continued to grow, as we aim to provide more families with thermal comfort from the most efficient and sustainable source: the sun's energy. A more sustainable world starts at home.

# Our solar water heating technology

## More hot water ready to use.

Compared to Ariston's previous generation models*, the Kairos range offers up to 3x performance of the heat exchanger for much faster heating time. The 360° jacket design grants an increase in the amount of the exchanged heat, delivering comfort even more effectively.

*CF-2 and HF

# Optimized tank stratification

## Hot water constantly at the most comfortable temperature.

The optimal thickness of the tank insulation and the high-quality of polyurethane allow Kairos products to maintain hot water all night long and guarantee hot showers in the morning. The optmised water stratification reduces the mixing of cold and hotwater in the tank and the new position of hot water outlet on the top of the tank ensures stable water temperature during the withdrawal.

# Different solar collectors

## Designed for warm and sunny weathers.

The perfect combination of solar tank capacities and different solar collectors (black and blue absorber) is specifically designed and tested for countries with the highest annual global irradiation values. This allows stable performance over time.

# High quality materials

## Top performance for longer.

Zinc coat for the outer casing of the tank, titanium enameled inner tank, high-quality heating element, anti -UV plastic elements, super safe and resistant glass. zinc-magnesium coat for the back metal sheet of the solar panel and installation kits.

**SOLAR KEYMARK**

**HAIL PROOF AND ANTI-REFLECTIVE**

# Fast and easy installation
# **No tools required.**

Consistent with the mission of Ariston to provide comfort starting from the design of our products, you can connect the hydraulic kit to the collector **with a few simple moves**: Insert the hydraulic pipe in the manifold and fix them with a metal clip. No tools are required, thus **reducing the installation time by 25%*.**

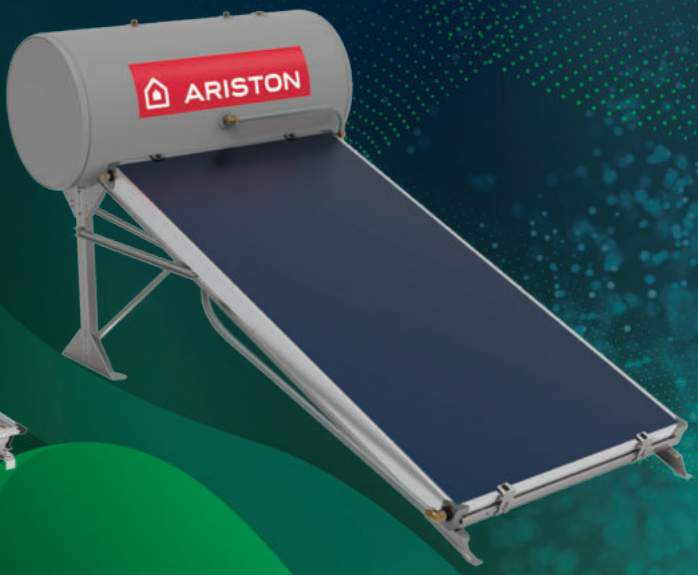
Available on HF-2 and CF3


# Different mounting frames
# **One mounting kit for each installation.**

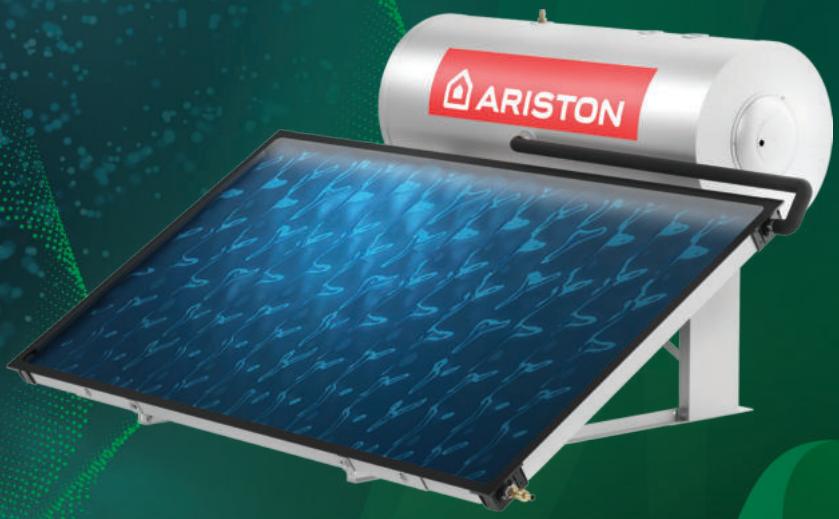
Pitched roof, flat roof, IBR roof or ground. Thanks to the wide range of mounting kits, Installing the Kairos Thermo DR-2 **on all types of roofs or surfaces Is very easy.**

# SOLAR
# HEATING SYSTEMS


KAIROS THERMO CF-3




KAIROS THERMO GR-2




KAIROS THERMO HF-2

KAIROS FAST
CD1 CF-1
CD2 CF-1

# TYPE OF SOLAR SYSTEM

As for heat systems, the heat is transferred by means of a “heat carrying fluid” that runs between the solar panel and the cylinder. The fluid can run spontaneously or using a pump. On the basis of which the two types of solar systems are distinguished: natural or forced circulation.

## THE SOLUTION TO ALL NEEDS

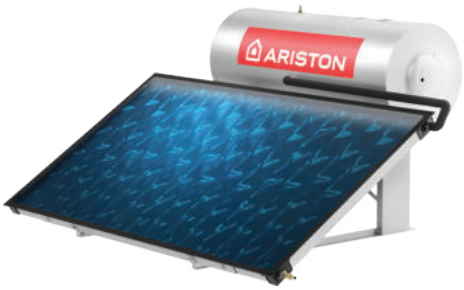
### NATURAL CIRCULATION

- SIMPLE
- RELIABLE
- ECONOMIC
- REDUCED MAINTENANCE

### FORCED CIRCULATION

- EFFICIENT
- FLEXIBLE
- ARCHITECTONIC INTEGRATION
- SUITABLE FOR COMPLEX SYSTEMS WITH BOILER AND HEAT PUMPS

# COMPLETE SYSTEMS

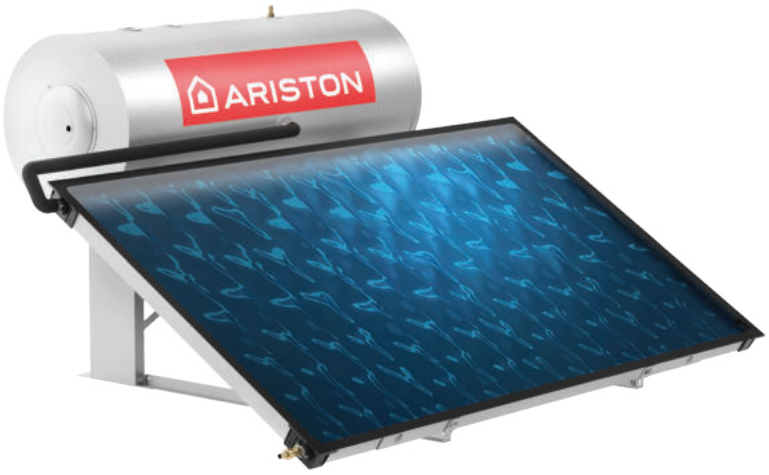




| | KAIROS THERMO HF-2 | | | | KAIROS THERMO CF-3 | |
|---|---|---|---|---|---|---|
| | | | | | 200-1 | 300-2 |
| TYPE OF CIRCULATION | natural | | | | natural | |
| ROOF INSTALLATION | yes | | | | yes | |
| GROUND AND FLAT ROOF INSTALLATION | yes | | | | yes | |
| TYPE OF SYSTEM | indirect | | | | indirect | |
| ELECTRO SOLAR VERSION AVAILABLE | yes | | | | yes | |
| NUMBER OF COLLECTORS | 1 | 1 | 2 | 2 | 1 | 2 |
| GROSS AREA ($m^2$) | 2,2 | | | | 2,01 | |
| EXPANSION VASE | not necessary | | | | not necessary | |
| SENSYS | not necessary | | | | not necessary | |
| TANK ENERGY CLASS | - | | | | - | |
| TANK EMPTY WEIGHT (kg) | 30 | 30 | 60 | 60 | 60 | 100 |
| COLLECTOR WEIGHT (kg) | 35 | | | | 30 | |
| CERTIFICATIONS - SOLAR KEYMARK & DCLD | yes | | | | yes | |
| PAGE | 22 | | | | 20 | |


| KAIROS THERMO GR-2 | | | KAIROS FAST CD1 CF-1 | | | KAIROS FAST CD2 CF-1 | |
|---|---|---|---|---|---|---|---|
| 150-1 | 200-1 | 300-2 | 150-1 | 200-2 | 300-2 | 200-2 | 300-2 |
| natural | | | forced | | | forced | |
| yes | | | yes | | | yes | |
| yes | | | yes | | | yes | |
| indirect | | | indirect | | | indirect | |
| yes | | | - | | | - | |
| 1 | 1 | 2 | 1 | 2 | 2 | 2 | 2 |
| 2,04 | | | 2,01 | | | 2,01 | |
| not necessary | | | included, 16 l | | | included, 16 l | |
| not necessary | | | included | | | included | |
| - | | | B | C | C | C | C |
| 50 | 60 | 85 | 82 | 110 | 119 | 114 | 131 |
| 27 | | | 29,5 | | | 29,5 | |
| yes | | | yes (only collectors) | | | yes (only collectors) | |
| 21 | | | 26 | | | 26 | |

# Kairos Thermo HF-2




## Natural circulation solar system for production of domestic hot water

/ New heat exchanger with 3x performance for faster water heating*
/ Increased rain penetration resistance for no-worry in any climate.
/ Blue selective surface treatment grant 95% absorbtion and only 5% reflection.
/ Fast, easy and risk-free installation with 'insert and click' connections.
/ Limited landscape impact thanks to the horizontal panel that limits the overall height.
/ Robust structure in ZN-MC coated galvanized steel

### Features

/ Refined design
/ Solar keymark certification
/ Tempered glass with low iron
/ Safety valve
/ Copper pipes - ready to mount

*Compared to previous model Kairos HF

| TECHNICAL DATA | | HF-2 150/1 TR | HF-2 150/1 TT | HF-2 200/1 TR | HF-2 200/1 TT | HF-2 200/2 TR | HF-2 200/2 TT | HF-2 300/2 TR | HF-2 300/2 TT |
|---|---|---|---|---|---|---|---|---|---|
| **SOLAR COLLECTORS** | | | | | | | | | |
| Installation | | Ground or flat roof | Sloped roof | Ground or flat roof | Sloped roof | Ground or flat roof | Sloped roof | Ground or flat roof | Sloped roof |
| Number of collectors | | 1 | 1 | 1 | 1 | 2 | 2 | 2 | 2 |
| Total Gross Area | $m^2$ | 2,2 | 2,2 | 2,2 | 2,2 | 4,4 | 4,4 | 4,4 | 4,4 |
| Total Absorber Area | $m^2$ | 2,01 | 2,01 | 2,01 | 2,01 | 4,02 | 4,02 | 4,02 | 4,02 |
| Empty mass | kg | 88 | 88 | 98 | 98 | 128 | 128 | 160 | 160 |
| Solar Circuit capacity | l | 8 | 8 | 9 | 9 | 9 | 9 | 19 | 19 |
| Absorption | % | 95% | 95% | 95% | 95% | 95% | 95% | 95% | 95% |
| External cover material | | High transparency glass | High transparency glass | High transparency glass | High transparency glass | High transparency glass | High transparency glass | High transparency glass | High transparency glass |
| **STORAGE TANK** | | | | | | | | | |
| Domestic hot water storage tank capacity | l | 136 | 136 | 190 | 190 | 190 | 190 | 276 | 276 |
| Domestic hot water circuit max. pressure | bar | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 |
| Solar circuit safety valve calibration | bar | 2,5 | 2,5 | 2,5 | 2,5 | 2,5 | 2,5 | 2,5 | 2,5 |
| CODE* (NO integrated electric backup) | | 3022449 | 3022450 | 3022451 | 3022452 | 3022453 | 3022454 | 3022455 | 3022456 |
| CODE Electric verison with INTEGRATED 2kW heating element* | | 3022434 | 3022433 | 3022436 | 3022435 | 3022438 | 3022437 | 3022440 | 3022439 |

| Integration System | | None | Electric heating element | Generic combi boiler | Egis Plus | Genus Evo < 28 kW Clas Evo < 28 kw | Genus Evo ≥ 28 kW Clas Evo ≥ 28 kw Clas B | Outdoor models | Built-in models |
|---|---|---|---|---|---|---|---|---|---|
| **Description** | **Code** | | | | | | | | |
| Backup heating element 1,5 kW (150-200-250 lt) | 3105073 | | ● | | | | | | |
| Backup heating element 2 kW (150-200-250 lt) | 3105071 | | ● | | | | | | |
| Backup heating element 2,5 kW (150-200-250 lt) | 3105072 | | ● | | | | | | |
| Thermostatic mixer | 3024085 | ● | ● | ● | | | | | |
| Motorized three-way valve | 3087085 | | | ● | | | | | |
| Digital thermostat | 800232 | | | ● | | | | | |
| Integrated thermostatic manual mixing valve | 3318379 | | | | ● | ● | | | |
| High flow rate thermostatic mixing valve | 3318419 | | | | | | ● | | |
| Built in solar kit** | 3318408 | | | | | | | ● | ● |
| Motorized built-in solar kit** | 3318484 | | | | | | | | ● |
| Integrated solar probe | 3318317 | | | | ● | ● | ● | ● | ● |
| | | | A | B | | | C | | |

*Valid for electro solar version only.
**It is required the code 3318401 antifreeze kit (protection down -20 °c)

ENERGY EFFICIENT | ITALIAN DESIGN | HAIL PROOF | SOLAR KEYMARK


| LIST OF COMPONENTS | | KAIROS VN 2.2-2 code 3020083 | SOLAR ENAMELED TANK HF-2 150 ARISTON code 3207107 | SOLAR ENAMELED TANK HF-2 200 ARISTON code 3207115 | SOLAR ENAMELED TANK HF-2 300 ARISTON code 3207109 | SOLAR ENAMELED TANK HF-2-E 2KW150 ARISTON code 3207111 | SOLAR ENAMELED TANK HF-2-E 2KW200 ARISTON code 3207117 | SOLAR ENAMELED TANK HF-2-E 2KW200 ARISTON code 3207113 | Flat roof installation kit + hydraulic kit for KAIROS THERMO HF-2 150-1 TR - code 3024482 | Flat roof installation kit + hydraulic kit for KAIROS THERMO HF-2 200-1 TR - code 3024483 | Flat roof installation kit + hydraulic kit for KAIROS THERMO HF-2 200-2 TR and 300-2 TR - code 3024484 | Sloped roof installation kit + hydraulic kit for KAIROS THERMO HF-2 150-1 TT - code 3024485 | Sloped roof installation kit + hydraulic kit for KAIROS THERMO HF-2 200-1 TT - code 3024486 | Sloped roof installation kit + hydraulic kit for KAIROS THERMO HF-2 200-2 TT - code 3024487 | Sloped roof installation kit + hydraulic kit for KAIROS THERMO HF-2 300-2 TT - code 3024488 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **Description** | **code** | | | | | | | | | | | | | | |
| Kairos Thermo HF-2 150-1 TR | 3022449 | 1 | 1 | | | | | | 1 | | | | | | |
| Kairos Thermo HF-2 150-1 TT | 3022450 | 1 | 1 | | | | | | | | | 1 | | | |
| Kairos Thermo HF-2 200-1 TR | 3022451 | 1 | | 1 | | | | | | 1 | | | | | |
| Kairos Thermo HF-2 200-1 TT | 3022452 | 1 | | 1 | | | | | | | | | 1 | | |
| Kairos Thermo HF-2 200-2 TR | 3022453 | 2 | | 1 | | | | | | | 1 | | | | |
| Kairos Thermo HF-2 200-2 TT | 3022454 | 2 | | 1 | | | | | | | | | | 1 | |
| Kairos Thermo HF-2 300-2 TR | 3022455 | 2 | | | 1 | | | | | | 1 | | | | |
| Kairos Thermo HF-2 300-2 TT | 3022456 | 2 | | | 1 | | | | | | | | | | 1 |
| Kairos Thermo HF-2 150-1 2KW TR | 3022434 | 1 | | | | 1 | | | 1 | | | | | | |
| Kairos Thermo HF-2 150-1 2KW TT | 3022433 | 1 | | | | 1 | | | | | | 1 | | | |
| Kairos Thermo HF-2 200-1 2KW TR | 3022436 | 1 | | | | | 1 | | | 1 | | | | | |
| Kairos Thermo HF-2 200-1 2KW TT | 3022435 | 1 | | | | | 1 | | | | | | 1 | | |
| Kairos Thermo HF-2 200-2 2KW TR | 3022438 | 2 | | | | | 1 | | | | 1 | | | | |
| Kairos Thermo HF-2 200-2 2KW TT | 3022437 | 2 | | | | | 1 | | | | | | | 1 | |
| Kairos Thermo HF-2 300-2 2KW TR | 3022440 | 2 | | | | | | 1 | | | 1 | | | | |
| Kairos Thermo HF-2 300-2 2KW TT | 3022439 | 2 | | | | | | 1 | | | | | | | 1 |

# Kairos Thermo CF-3

ENERGY EFFICIENT · ITALIAN DESIGN · HAIL PROOF · SOLAR KEYMARK

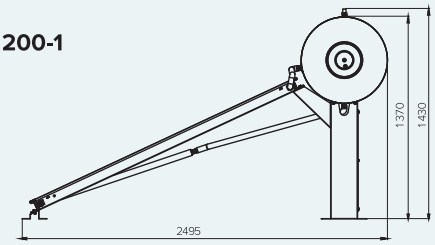

## Natural circulation solar system for production of domestic hot water

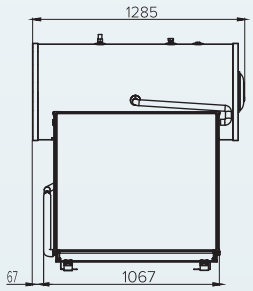
- New heat exchanger with 3x* performance
- Selective surface treatment grant 95% absorbtion and only 5% reflection
- Robust structure in ZN-MC coated Galvanized steel
- Fast, easy and risk-free installation with "inster and click" connection

### Features

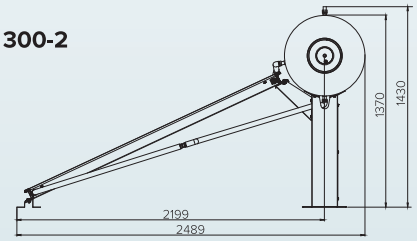
- Refined design
- Solar keymark certification on entire system
- Safety valve
- Made in Italy
- Copper pipes - Ready to mount

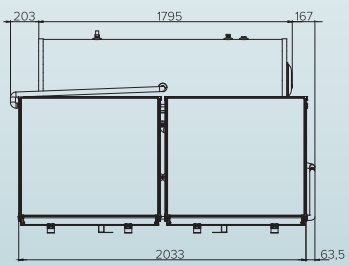
**200-1**




**300-2**




| TECHNICAL DATA | | CF-3 200-1 | CF-3 300-2 |
|---|---|---|---|
| *Solar system* | | | |
| Installation | | Ground or flat roof | Ground or flat roof |
| Numer of collectors | | 1 | 2 |
| Total gross area | m2 | 2.01 | 4.02 |
| Total absorber area | m2 | 1.83 | 3.66 |
| Empty mass | kg | 115 | 193 |
| Solar circuit capacity | lt | 11 | 22 |
| Solar safety valve calibration | bar | 2.5 | 2.5 |
| Absorbtion | | 95% | 95% |
| Collector glass | | Mat tempered glass, low iron, 3.2mm thick | Mat tempered glass, low iron, 3.2mm thick |
| Absorber material | | Full face, aluminum sheet with selective coating | Full face, aluminum sheet with selective coating |
| Absorber tubing material | kg | Copper | Copper |
| Max load tested | | 5400 | 5400 |
| Electric Back-up Capacity | kW | 2 | 2 |
| *Storage tank* | | | |
| Nominal Tank capacity | lt | 200 | 300 |
| Insulation thickness | mm | 50 | 50 |
| Outer Material tank | mm | Prepainted steel | Prepainted steel |
| **CODE** | | 3022514 | 3022340 |

| LIST OF COMPONENTS | | KAIROS CF 2.0-1 code 3020072 | SOLAR ENAMELED TANK 2 KW 200 L PREP. ST. code 3207055 | SOLAR ENAMELED TANK 2 KW 300 L PREP. ST. code 3207054 | HYDRA + INST KIT THERMO CF-3 200-1 TR code 3024390 | HYD+INST KIT THERMO CF-3 200-2/300-2 TR code 3024391 | DOCUMENT PACKAGE THERMO CF-3 code 3024392 |
|---|---|---|---|---|---|---|---|
| **Description** | **code** | | | | | | |
| KAIROS THERMO CF-3_E 200-1 TR | 3022514 | 1 | 1 | | 1 | | 1 |
| KAIROS THERMO CF-3_E 300-2 TR | 3022340 | 2 | | 1 | | 1 | 1 |

*heat exchanger capacity in liters compared to old CF2. 9lt (CF-3) vs 3lt (CF2) on 200lt version.

# Kairos Thermo GR-2

ENERGY EFFICIENT · ITALIAN DESIGN · HAIL PROOF · SOLAR KEYMARK

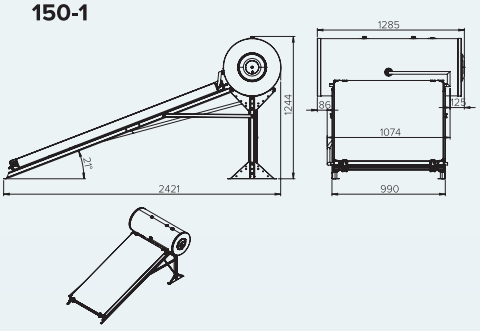

## Natural circulation solar system for production of domestic hot water

/ Selective surface treatment grant 95% absorbtion and only 5% reflection

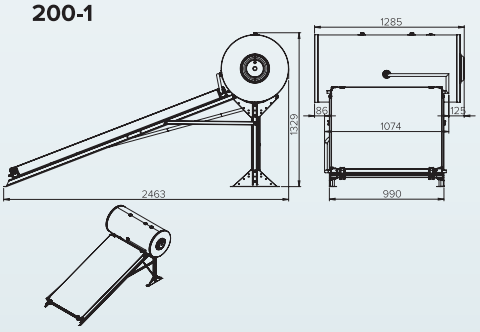
### Features

/ Solar keymark certification on entire system
/ Safety valve
/ Available in single or double collector configuration
/ Flexible tubes in inox
/ Structure in galvanized steel

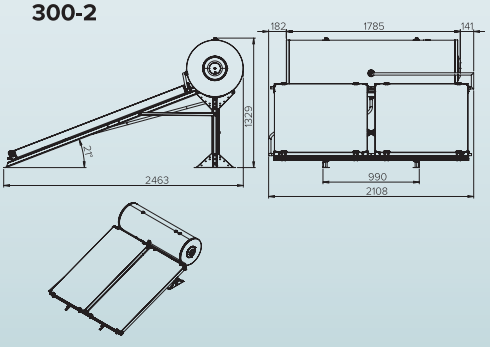
**150-1**




**200-1**




**300-2**




| TECHNICAL DATA | | GR2 150-1 | GR2 200-1 | GR2 300-2 |
|---|---|---|---|---|
| **Solar system** | | | | |
| Installation | | Ground or flat roof | Ground or flat roof | Ground or flat roof |
| Numer of collectors | | 1 | 1 | 2 |
| Total gross area | m2 | 2.04 | 2.04 | 4.08 |
| Total absorber area | m2 | 1.94 | 1.94 | 3.88 |
| Empty mass | kg | 104 | 114 | 178 |
| Solar circuit capacity | lt | 10 | 11 | 23 |
| Solar safety valve calibration | bar | 2.5 | 2.5 | 2.5 |
| Absorbtion | | 95% | 95% | 95% |
| Collector glass | | Clear tempered glass, 3.2mm thick | Clear tempered glass, 3.2mm thick | Clear tempered glass, 3.2mm thick |
| Absorber material | | Full face, aluminum sheet with selective coating | Full face, aluminum sheet with selective coating | Full face, aluminum sheet with selective coating |
| Absorber tubing material | | Copper | Copper | Copper |
| Max load tested | kg | 2400 | 2400 | 2400 |
| Electric Back-up Capacity | kW | 2 | 2 | 2 |
| **Storage tank** | | | | |
| Nominal Tank capacity | lt | 150 | 200 | 300 |
| Insulation thickness | mm | 50 | 50 | 50 |
| Outer Material tank | mm | Prepainted steel | Prepainted steel | Prepainted steel |
| **CODE** | | 3022483 | 3022484 | 3022485 |

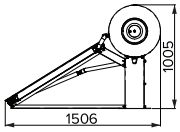
**LIST OF COMPONENTS**

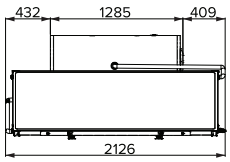
| Description | code | KAIROS COLLECTOR GR2 2M code 3020081 | SOLAR ENAMELED TANK GR2 2M 150 2KW PS ARI code 3207122 | SOLAR ENAMELED TANK GR2 2M 200 2KW PS ARI code 3207123 | SOLAR ENAMELED TANK GR2 2M 300 2KW PS ARI code 3207124 | HYDRA I INST KIT GR2 2M 1 COLL NG TR code 3024523 | HYDRA I INST KIT GR2 2M 2 COLL NG TR code 3024524 |
|---|---|---|---|---|---|---|---|
| KAIROS THERMO GR2 2KW 150-1 2M TR | 3022483 | 1 | 1 | | | 1 | |
| KAIROS THERMO GR2 2KW 200-1 2M TR | 3022484 | 1 | | 1 | | 1 | |
| KAIROS THERMO GR2 2KW 300 2 2M TR | 3022485 | 2 | | | 1 | | 1 |

# Kairos Thermo HF-2 NEW

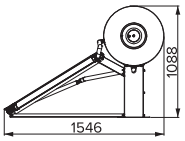
## TEHCNICAL DRAWING - INCLINED (mm)

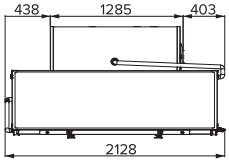
### 150 LITERS 1 COLLECTORS



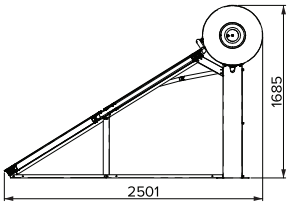



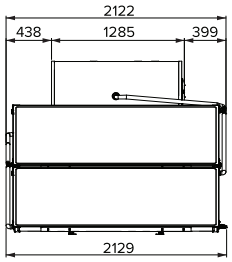

### 200 LITERS 1 COLLECTORS



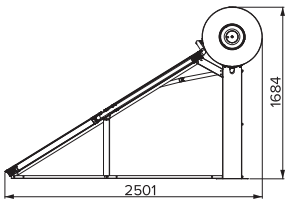



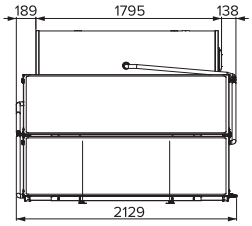

### 200 LITERS 2 COLLECTORS



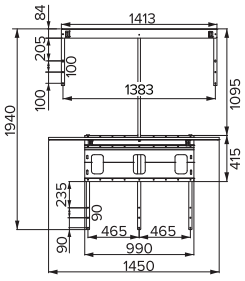



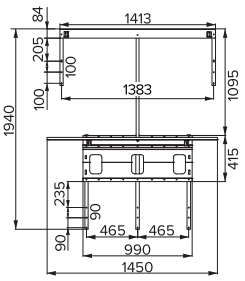

### 300 LITERS 2 COLLECTORS

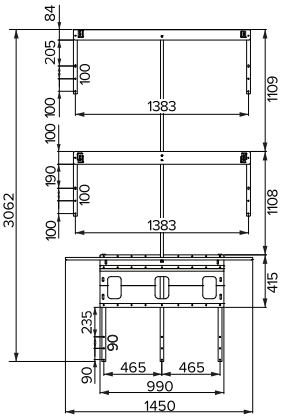


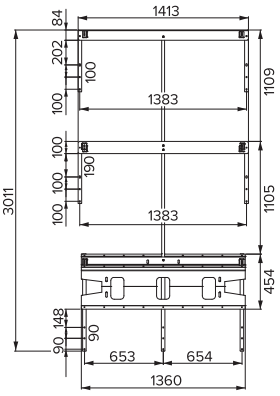



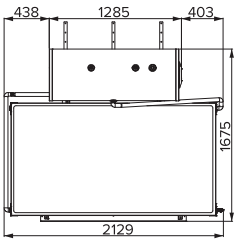

## TEHCNICAL DRAWING - FLAT (mm)

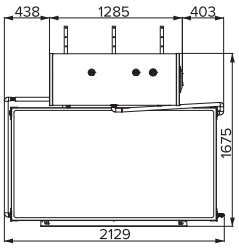


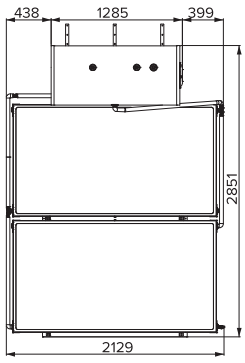



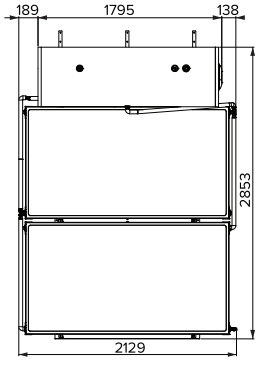



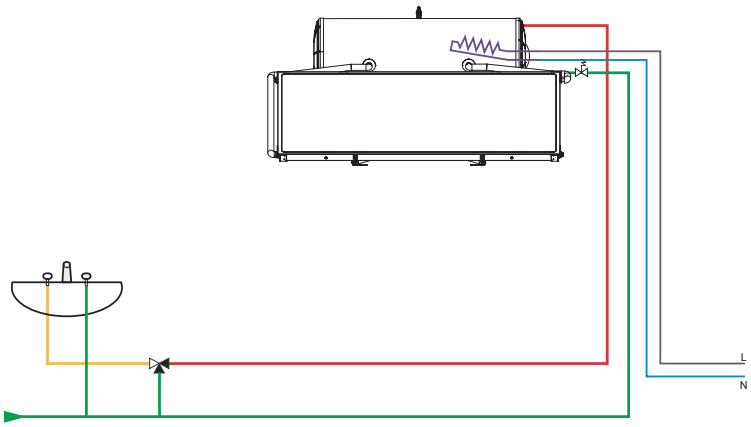



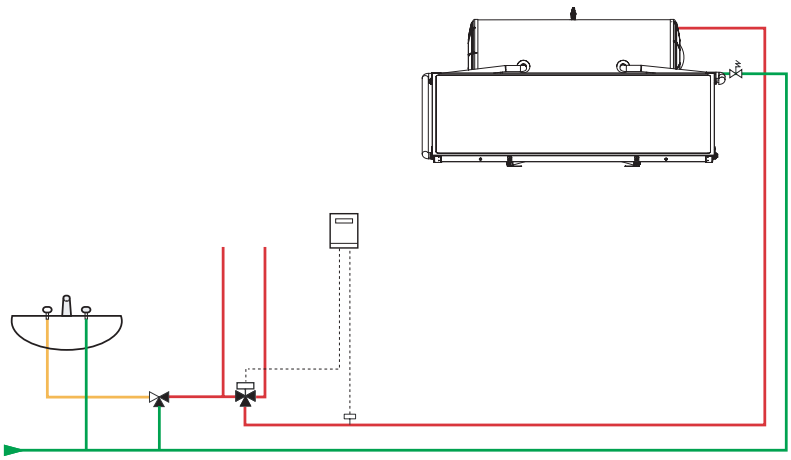



## MAIN SYSTEM LAYOUTS

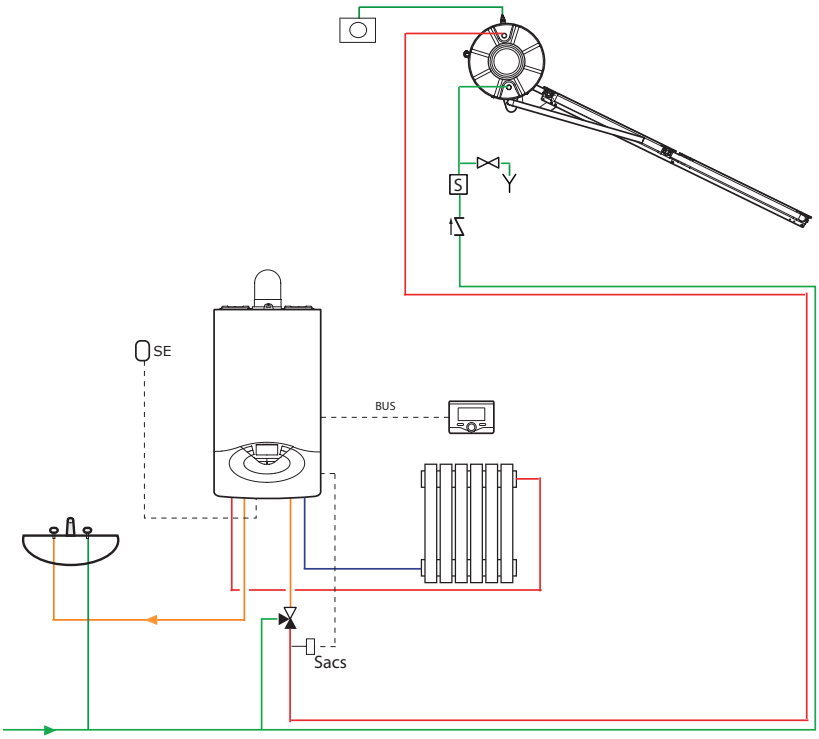
LAYOUT A




LAYOUT B



LAYOUT C



# Kairos Fast

## Forced circulation solar system with integrated single/double coil tank for the production of domestic hot water

- All-in-one integrated system - No need to buy additional accessories
- Selective surface treatment grant 95% absorbtion and only 5% reflection.
- The ultrasonic welding technology, on the collector, ensures very good performances for home applications;
- The Sensys, the system interface included in the product, allows an easy navigation and a full control of all the working parameters, displaying the solar fraction, the storage of how water and the energy saving;
- The protech anode guarantees anti-corrosion protection of the internal tank;
- Made in Italy

| TECHNICAL DATA | | KAIROS FAST CD1 150-1 | KAIROS FAST CD1 200-2 | KAIROS FAST CD1 300-2 | KAIROS FAST CD2 200-2 | KAIROS FAST CD2 300-2 |
|---|---|---|---|---|---|---|
| **SOLAR COLLECTORS** | | 1-KAIROS CF 2.0-1 | 2-KAIROS CF 2.0-1 | 2-KAIROS CF 2.0-1 | 2 - KAIROS CF 2.0 -1 | 2 - KAIROS CF 2.0 -1 |
| Collectors gross surface | $m^2$ | 2,01 | 4,02 | 4,02 | 4.02 | 4.02 |
| Collectors aperture surface | $m^2$ | 1,74 | 3,48 | 3,48 | 3.48 | 3.48 |
| **STORAGE TANK MODULE** | | | | | | |
| Dimensions (L x H x P) | mm | 697 x 965 x 889 | 697 x 1260 x 889 | 697 x 1782 x 889 | 697 x 1260 x 889 | 697 x 1782 x 889 |
| Domestic hot water storage tank capacity | l | 142 | 198 | 298 | 192 | 292 |
| Heat loss | kWh/24h | 1,1 | 1,49 | 2,28 | 1.49 | 2.28 |
| DHW circuit minimum pressure | bar | 7 | 7 | 7 | 7 | 7 |
| DHW circuit max. pressure | mca | 4,5 | 4,5 | 4,5 | 4,5 | 4,5 |
| Solar expansion vessel capacity | l | 16 | 16 | 16 | 16 | 16 |
| Solar circuit safety valve calibration | bar | 6 | 6 | 6 | 6 | 6 |

| KAIROS FAST | CD1 150-1 | CD1 200-2 | CD1 300-2 | CD2 200-2 | CD2 300-2 |
|---|---|---|---|---|---|
| ErP Energy class | B | C | C | C | C |
| TR | 3023637 | 3023639 | 3023645 | 3023641 | 3023645 |
| TT | 3023638 | 3023640 | 3023646 | 3023642 | 3023646 |

| ACCESSORIES | CODE |
|---|---|
| SOLAR/DHW ADDITIONAL EXPANSION VESSEL ( 16L ) FOR MACC | 3024183 |

ENERGY EFFICIENT | MADE IN ITALY | SYSTEM MANAGEMENT | ANTI-CORROSION | PERFORMANCE PLUS | EASY INSTALLATION

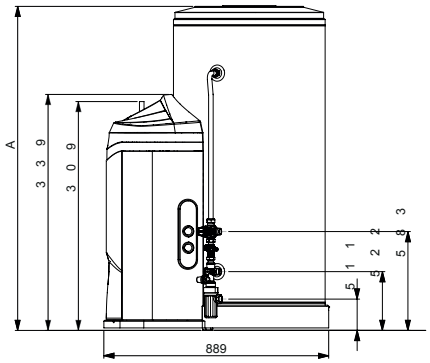
## LIST OF COMPONENTS KAIROS FAST

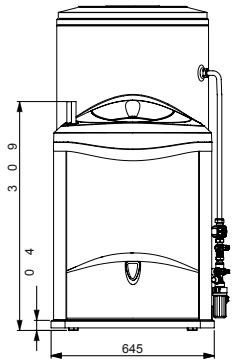
| Description | KAIROS MACC CD1 150 CYLINDER Cod. 3023271 | KAIROS MACC CD1 200 CYLINDER Cod. 3023272 | KAIROS MACC CD1 300 CYLINDER Cod. 3023273 | KAIROS MACC CD2 200 CYLINDER Cod. 3023274 | KAIROS MACC CD2 300 CYLINDER Cod. 3023275 | KAIROS CF 2.0-1 Cod. 3020072 | HORIZONTAL BAR CF 2.0-1 Cod. 3024249 | Triangle Cod. 3024103 | ROOF FRAME 1 COLL. CF 2.0-1 Cod. 3024359 | ROOF FRAME 2 COLL. CF 2.0-1 Cod. 3024360 | HYDRAULIC CONNECTIONS FOR 1 COLLECTOR CF 2.0-1 Cod. 3024364 | EXTENSION HYDRAULIC CONNECTIONS FOR 1 COLLECTOR 1 CF 2.0-1 Cod. 3024363 | ANTE-FREEZE LIQUID FOR SOLAR SYSTEMS (5 LT) Cod. 800215 | DOCUMENTATION MACC * |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| KAIROS FAST CD1 150-1 TR | 1 | | | | | 1 | 1 | 2 | | | 1 | | 1 | 1 |
| KAIROS FAST CD1 150-1 TT | 1 | | | | | 1 | | | 1 | | 1 | | 1 | 1 |
| KAIROS FAST CD1 200-2 TR | | 1 | | | | 2 | 2 | 2 | | | 1 | 1 | 1 | 1 |
| KAIROS FAST CD1 200-2 TT | | 1 | | | | 2 | | | | 1 | 1 | 1 | 1 | 1 |
| KAIROS FAST CD2 200-2 TR | | | | 1 | | 2 | 2 | 2 | | | 1 | 1 | 1 | 1 |
| KAIROS FAST CD2 200-2 TT | | | | 1 | | 2 | | | | 1 | 1 | 1 | 1 | 1 |
| KAIROS FAST CD1 300-2 TR | | | 1 | | | 2 | 2 | 2 | | | 1 | 1 | 1 | 1 |
| KAIROS FAST CD1 300-2 TT | | | 1 | | | 2 | | | | 1 | 1 | 1 | 1 | 1 |
| KAIROS FAST CD2 300-2 TR | | | | | 1 | 2 | 2 | 2 | | | 1 | 1 | 1 | 1 |
| KAIROS FAST CD2 300-2 TT | | | | | 1 | 2 | | | | 1 | 1 | 1 | 1 | 1 |

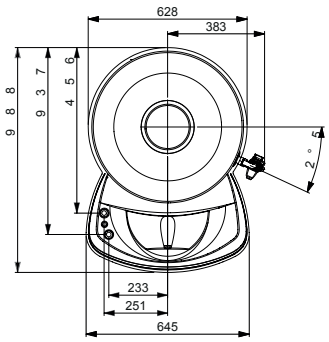
* DOCUMENTATION MACC (IT-EN) Code 3105018; DOCUMENTATION MACC (HU-PL-RO-CZ-RU-UA) Code 3105021; DOCUMENTATION MACC (TK-RU-GR-HR-SRB-UA) Code 3105022

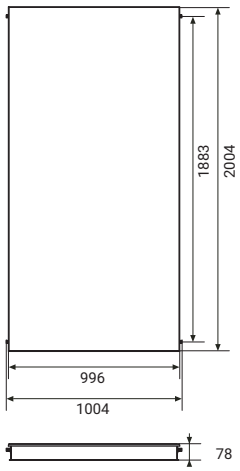
# Kairos Fast

## CD1



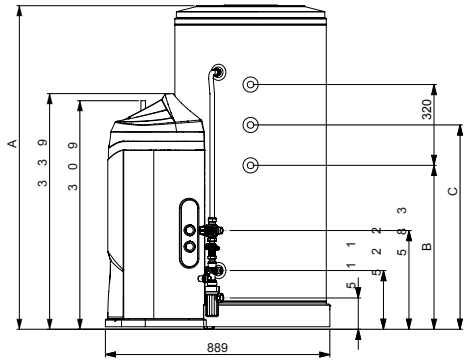



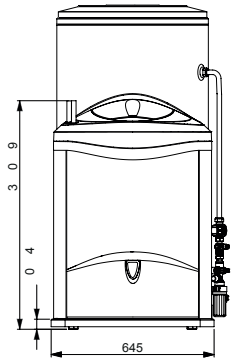



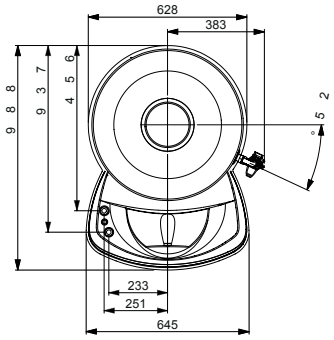



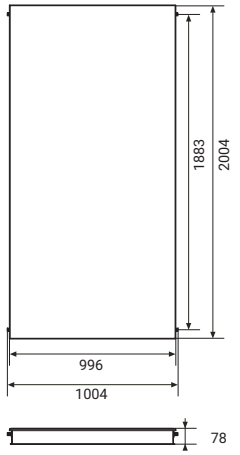

| OVERALL DIMENSIONS | | CD1 150-1 | CD1 200-2 | CD1 300-2 |
|---|---|---|---|---|
| A | mm | 965 | 1260 | 1782 |

## CD2



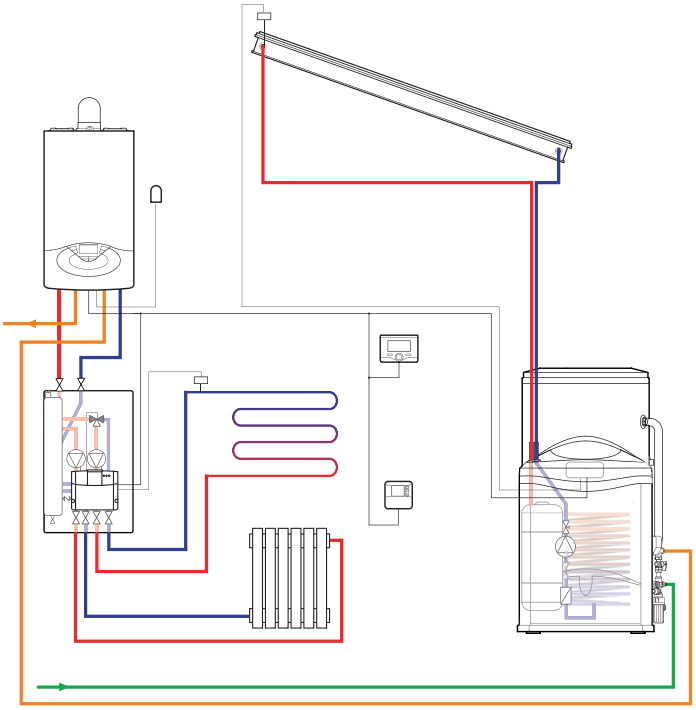



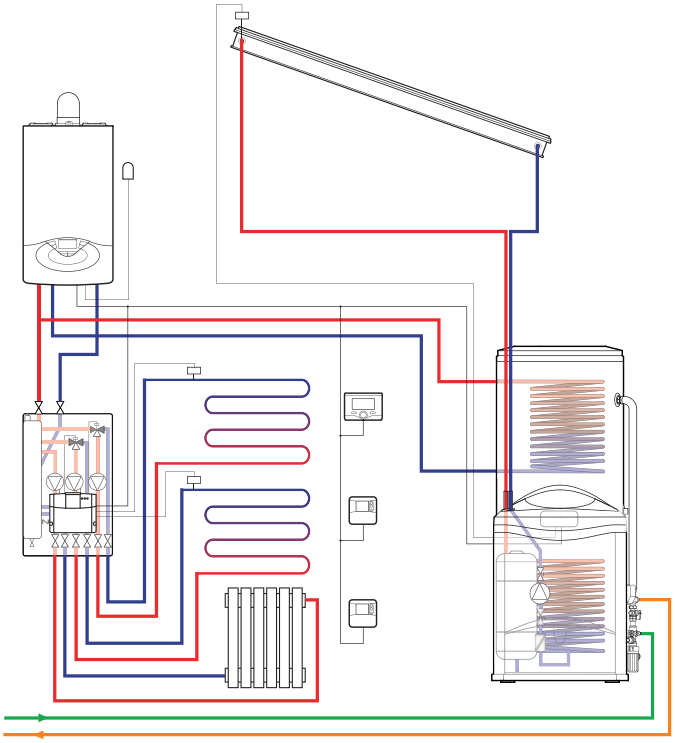



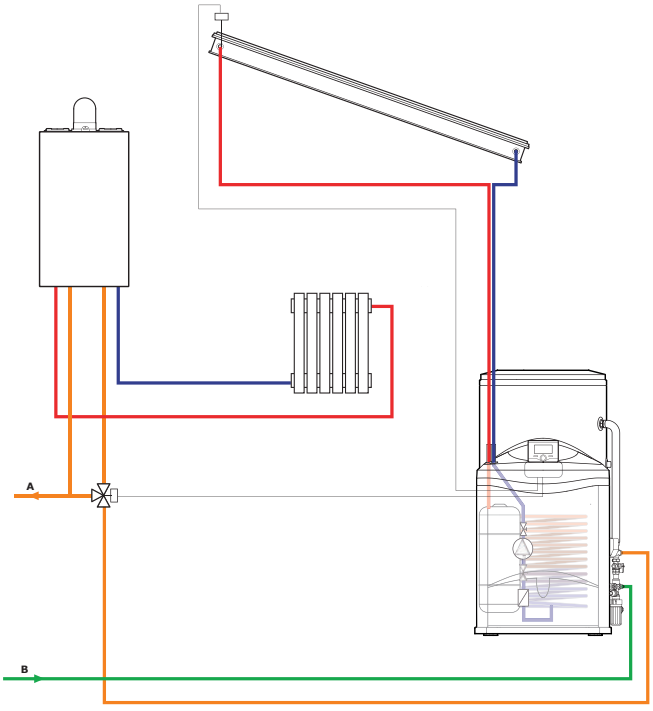



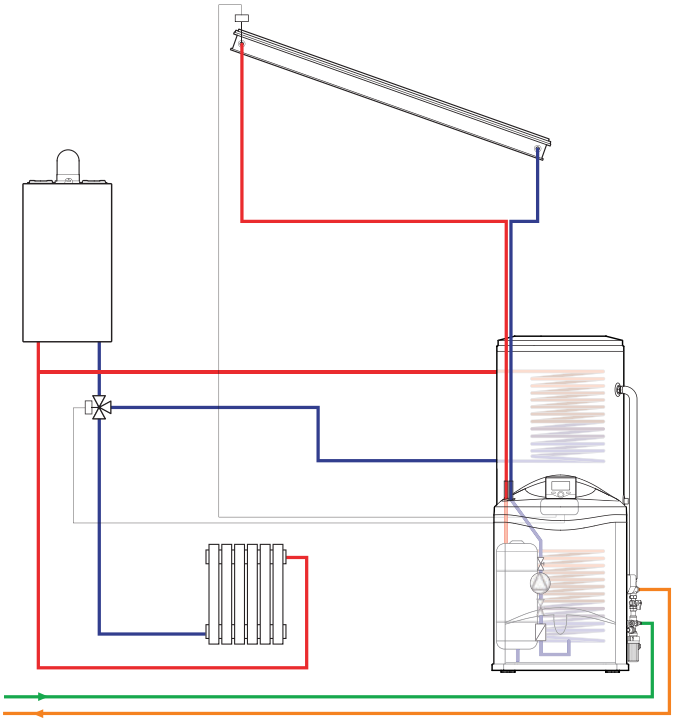

| OVERALL DIMENSIONS | | CD2 200-2 | CD2 300-2 |
|---|---|---|---|
| A | mm | 1260 | 1782 |
| B | mm | 649 | 1170 |
| C | mm | 808 | 1330 |

## MAIN LAYOUTS







# Kairos Macc

## Single/double coil pre-assembled tank module for the production of domestic hot water

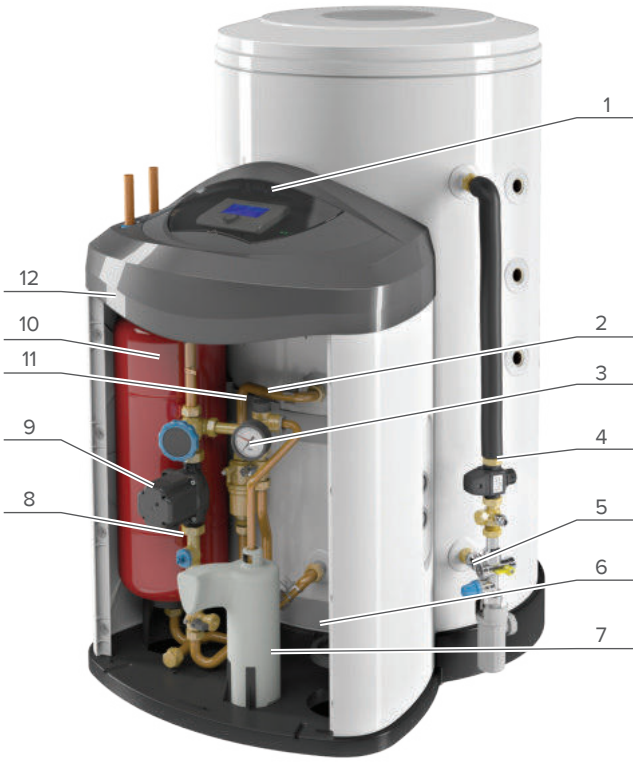
/ The storage's polyurethane insulation free of CFC & HCFC allows maximum protection against heat losses;
/ The storage can disperse up to 1,5 kWh/24 h (150 lt): one of the lowest value of its category;
/ The arrangement for an additional expansion vessel makes the product suitable for big solar systems;
/ The accurate design of the heat exchanger surface can provide a big amount of hot water;
/ The motorized mixing valve gives you the possibility to set the desired temperature;
/ The preassembled storage offers the best enjoyble design of its category, thanks to the accurate study of the lines, and of the external shape;
/ The air purge valve protects from air accumulation;
/ The preassembled hydraulic safety group protects the storage from high pressure working conditions;

| TECHNICAL DATA | | CD1 150 | CD1 200 | CD1 300 | CD2 200 | CD2 300 |
|---|---|---|---|---|---|---|
| Domestic hot water storage tank capacity | l | 142 | 198 | 298 | 192 | 292 |
| DHW circuit max. pressure | bar | 7 | 7 | 7 | 7 | 7 |
| Lower coil surface | $m^2$ | 0.85 | 0.85 | 0.85 | 0.85 | 0.85 |
| Upper coil surface | $m^2$ | | | | 0.8 | 0.8 |
| Max operating temperature | °C | 85 | 85 | 85 | 85 | 85 |
| Max solar pump head | m. $H_2O$ | 4.5 | 4.5 | 4.5 | 4.5 | 4.5 |
| Solar expansion vessel capacity | l | 16 | 16 | 16 | 16 | 16 |
| Solar circuit capacity | l | 6 | 6 | 6 | 6 | 6 |
| Upper exchanger capacity | l | | | | 4.5 | 4.5 |
| Solar circuit safety valve calibration | bar | 6 | 6 | 6 | 6 | 6 |
| Tank's thermal dispersions | kWh/24h | 1.1 | 1.49 | 2.28 | 1.49 | 2.28 |
| Empty mass | kg | 82 | 106 | 119 | 110 | 131 |

| KAIROS MACC | CD1 150 | CD1 200 | CD1 300 | CD2 200 | CD2 300 |
|---|---|---|---|---|---|
| ErP Energy class | B | C | C | C | C |
| (IT-EN) | 3023271 | 3023272 | 3023273 | 3023274 | 3023275 |
| (HU-PL-RO-CZ) | 3023303 | 3023304 | 3023305 | 3023306 | 3023307 |
| (TK-RU-GR-HR-SRB-UA) | 3023308 | 3023309 | 3023310 | 3023311 | 3023312 |

| ACCESSORIES | CODE |
|---|---|
| SOLAR/DHW ADDITIONAL EXPANSION VESSEL ( 16L ) FOR MACC | 3024183 |

MADE IN ITALY | SYSTEM MANAGEMENT | ANTI-CORROSION | EASY INSTALLATION




1 Sensys user interface
2 Solar safety valve
3 Pressure sensor
4 Motorised thermostat - controlled mixing valve
5 Hydraulic safety assembly with siphon
6 Connection for additional solar vessel / domestic water expansion vessel
7 Solar fluid collection tank with indicator
8 Flow meter
9 Solar pump
10 16 litre solar expansion vessel
11 Pressure gauge
12 Deareator

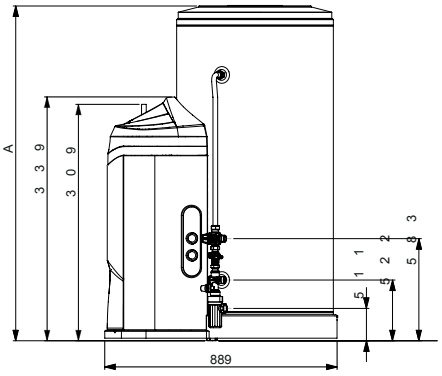
## LIST OF COMPONENTS KAIROS MACC

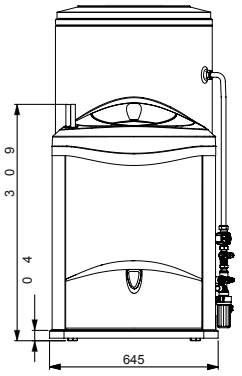
| Description | Code | KAIROS MACC CD1 150 CYLINDER Cod. 3100665 | KAIROS MACC CD1 200 CYLINDER Cod. 3100666 | KAIROS MACC CD1 300 CYLINDER Cod. 3100667 | KAIROS MACC CD2 200 CYLINDER Cod. 3100668 | KAIROS MACC CD2 300 CYLINDER Cod. 3100669 | DOCUMENT. MACC * |
|---|---|---|---|---|---|---|---|
| KAIROS MACC CD1 150 (IT-EN) | 3023271 | 1 | | | | | 1 |
| KAIROS MACC CD1 150 (PL-CZ-HU-RO) | 3023303 | 1 | | | | | 1 |
| KAIROS MACC CD1 150 (TK-HR-SRB-GR-RU-UA) | 3023308 | 1 | | | | | 1 |
| KAIROS MACC CD1 200 (IT-EN) | 3023272 | | 1 | | | | 1 |
| KAIROS MACC CD1 200 (PL-CZ-HU-RO) | 3023304 | | 1 | | | | 1 |
| KAIROS MACC CD1 200 (TK-HR-SRB-GR-RU-UA) | 3023309 | | 1 | | | | 1 |
| KAIROS MACC CD1 300 (IT-EN) | 3023273 | | | 1 | | | 1 |
| KAIROS MACC CD1 300 (PL-CZ-HU-RO) | 3023305 | | | 1 | | | 1 |
| KAIROS MACC CD1 300 (TK-HR-SRB-GR-RU-UA) | 3023310 | | | 1 | | | 1 |
| KAIROS MACC CD2 200 (IT-EN) | 3023274 | | | | 1 | | 1 |
| KAIROS MACC CD2 200 (PL-CZ-HU-RO) | 3023306 | | | | 1 | | 1 |
| KAIROS MACC CD2 200 (TK-HR-SRB-GR-RU-UA) | 3023311 | | | | 1 | | 1 |
| KAIROS MACC CD2 300 (IT-EN) | 3023275 | | | | | 1 | 1 |
| KAIROS MACC CD2 300 (PL-CZ-HU-RO) | 3023307 | | | | | 1 | 1 |
| KAIROS MACC CD2 300 (TK-HR-SRB-GR-RU-UA) | 3023312 | | | | | 1 | 1 |

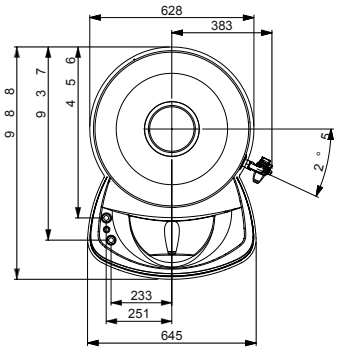
* MACC Documentation (IT-EN) Code 3105018; MACC Documentation (HU-PL-RO-CZ-RU-UA) Code 3105021; MACC Documentation (TK-RU-GR-HR-SRB-UA) Code 3105022;

# Kairos Macc

## CD1

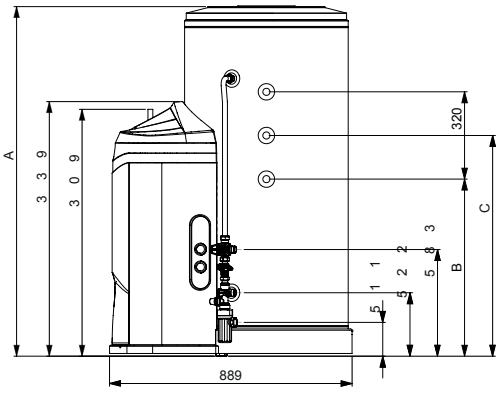


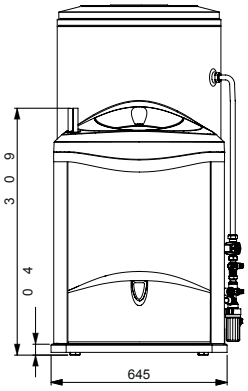



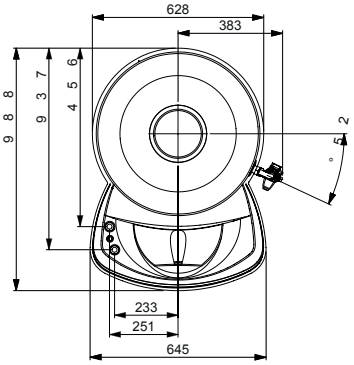




| OVERALL DIMENSIONS | | CD1 150 | CD1 200 | CD1 300 |
|---|---|---|---|---|
| A | mm | 965 | 1260 | 1782 |

## CD2

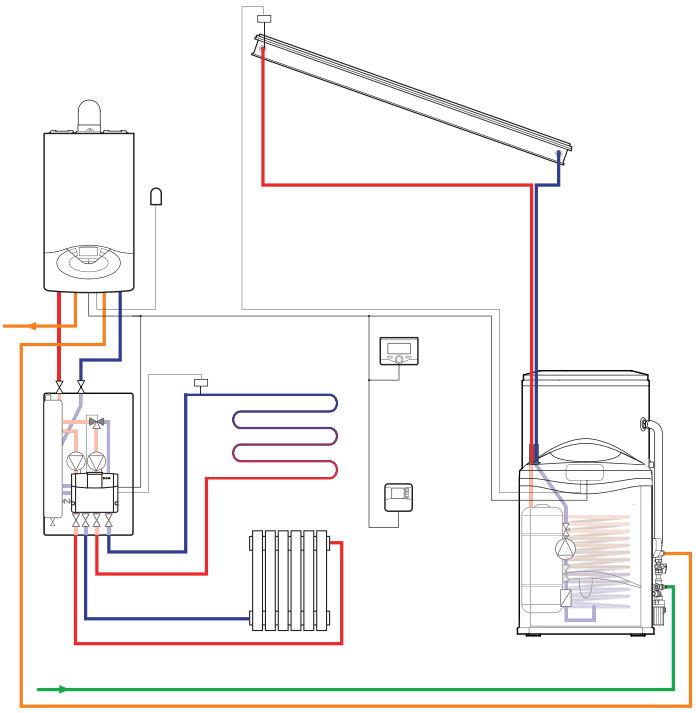


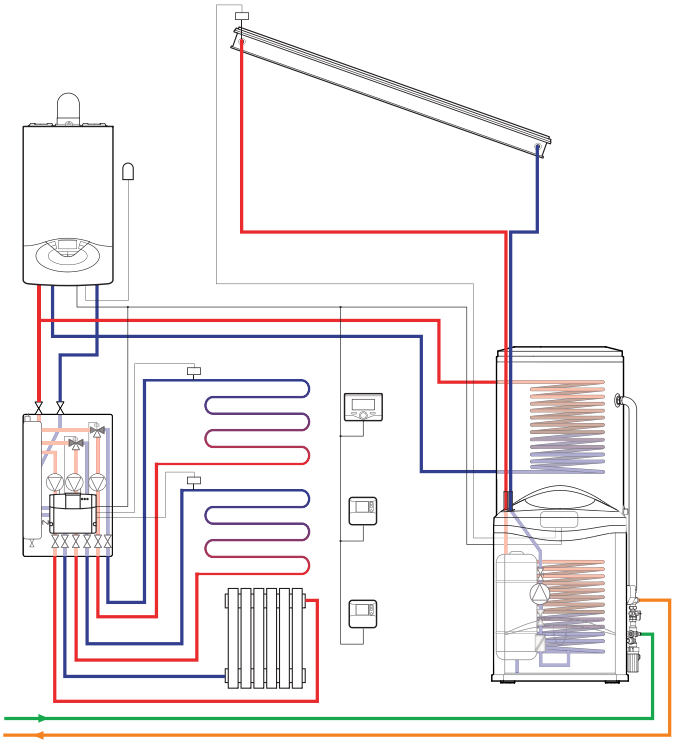



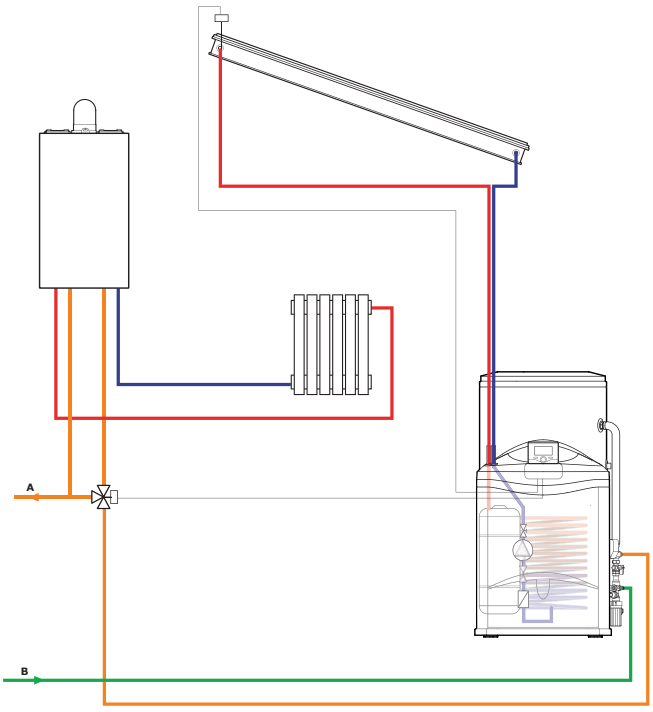



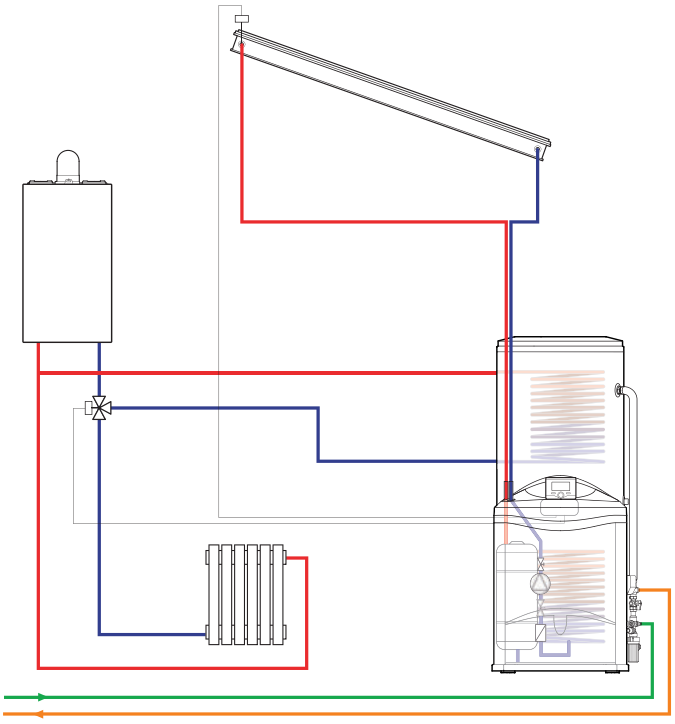

| OVERALL DIMENSIONS | | CD2 200 | CD2 300 |
|---|---|---|---|
| A | mm | 1260 | 1782 |
| B | mm | 649 | 1170 |
| C | mm | 808 | 1330 |

## MAIN LAYOUTS







# Kairos Combi

## Integrated tank for the solar heating integration and for the production of domestic hot water

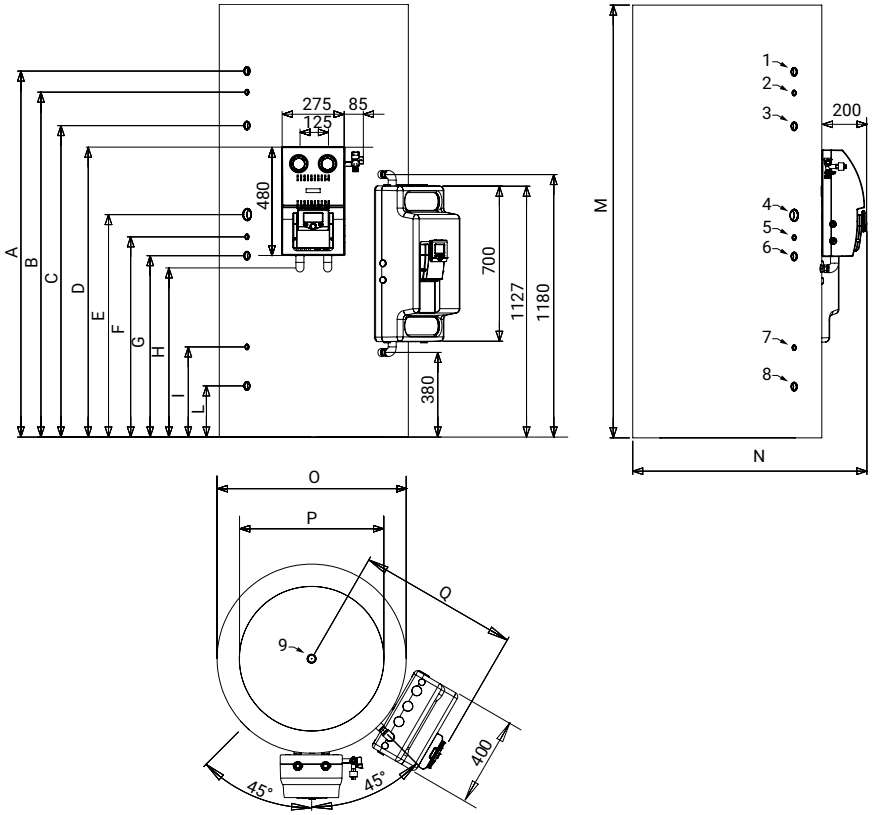
- The soft 100 mm insualation allows maximum protection against heat losses;
- The high residual head (6,5 m) of the pump gruop assures the proper working of big systems;
- Kairos Combi includes all the accessories needed for a complete installation: the digit pump group, the digital manometer, the digital flow meter...
- The Sensys, the system interface included in the product, allows an easy navigation and a full control of all the working parameters, displaying the solar fraction, the storage of how water and the energy saving;
- The air purge valve protects from air accumulation inside the system;
- The preassembled hydraulic safety group protects the storage from high pressure working conditions;

| TECHNICAL DATA | | CK1 400 | CK1 600 | CK1 800 | CK1 1000 |
|---|---|---|---|---|---|
| Domestc hot water storage tank capacity | l | 400 | 600 | 800 | 1000 |
| Coil surface | $m^2$ | 1.5 | 2.1 | 2.8 | 3.4 |
| Solar coil capacity | l | 9.3 | 13 | 17.5 | 21 |
| Max operating tank pressure | bar | 3 | 3 | 3 | 3 |
| Max operating temperature | °C | 95 | 95 | 95 | 95 |
| Empty mass | kg | 92 | 113 | 155 | 176 |
| **FRESH WATER STATION** | | | | **DHW PRODUCTION MODULE (WITH DHW RECIRCULATION ACCESSORY)** | |
| Temperature range | °C | | | | 36 ÷ 65 |
| Minimum flow rate | l/min | | | | 2.5 |
| Sanitary flow rate measurer | l/min | | | | 2.5 ÷ 32 |
| Max primary circuit pressure | bar | | | | 3 |
| Max DHW circuit pressure | bar | | | | 6 |
| Max DHW/primary circuit temperature | °C | | | | 85 |
| Electrical supply/Frequency | V/Hz | | | | 230 / 50 |
| Power consumption | W | | | | 40 (100) |
| Hydraulic DHW/primary circuit connections | " | | | | ¾" M |
| Dimensions (H x L x P) | mm | | | | 700 x 400 x 295 |
| Mass | Kg | | | | 16 (18) |
| Max DHW flow rate (70°C , ΔT=30°) | l/min | | | | 32 |
| **PUMP GROUP** | | | | **DIGIT SOLAR PUMP GROUP** | |
| Solar circuit flow rate range | l/min | | | | 1 ÷ 16 |
| Max solar circuit pressure | bar | | | | 6 |
| Max heat transfer fluid temperature | °C | | | | 130 |
| Electrical supply/Frequency | V/Hz | | | | 230 / 50 |
| Power consumption | W | | | | 97 |
| Flow and return temperature sensor | | | | | NTC (10kΩ β=3977) |
| Hydraulic conections | | | | | ¾" M or smooth tube ø 18 mm |
| Weight | kg | | | | 6.5 |
| Dimensions (LxHxP) | mm | | | | 275 x 480 x 200 |

| KAIROS COMBI | CK1 400 | CK1 600 | CK1 800 | CK1 1000 |
|---|---|---|---|---|
| ErP Energy class | B | C | C | C |
| CODE | 3023285 | 3023286 | 3023287 | 3023288 |

| ACCESSORIES | CODE |
|---|---|
| DHW module recirculation kit | 3024161 |
| Electrical kit 1.5 kW 230 V 1", 1/2 | 935393 |
| Electrical kit 2.5 kW 230-400 V 1", 1/2 | 935394 |
| Electrical kit 6 kW 400 V 1", 1/2 | 3078066 |
| Safety group | 12053830 |

MADE IN ITALY | BUS Bridge Net® SYSTEM MANAGEMENT | EASY INSTALLATION




| * | 400 | 600 | 800 | 1000 |
|---|---|---|---|---|
| A | 1240 | 1645 | 1495 | 1730 |
| B | 1150 | 1550 | 1405 | 1640 |
| C | 1060 | 1400 | 1315 | 1550 |
| D | 1164 | 1294 | 1309 | 1434 |
| E | 880 | 1000 | 1060 | 1185 |
| F | 785 | 900 | 950 | 1075 |
| G | 700 | 815 | 855 | 980 |
| H | 630 | 760 | 775 | 900 |
| I | 415 | 405 | 500 | 500 |
| L | 235 | 230 | 260 | 260 |
| M | 1630 | 1945 | 1805 | 2055 |
| N | 1000 | 1050 | 1190 | 1190 |
| O | 800 | 850 | 990 | 990 |
| P | 600 | 650 | 790 | 790 |
| Q | 695 | 720 | 690 | 690 |
| 1 | 1" F | 1" F | 1" F | 1" F |
| 2 | ½" F | ½" F | ½" F | ½" F |
| 3 | 1" F | 1" F | 1" F | 1" F |
| 4 | 1" ½ F | 1" ½ F | 1" ½ F | 1" ½ F |
| 5 | ½" F | ½" F | ½" F | ½" F |
| 6 | 1" F | 1" F | 1" F | 1" F |
| 7 | ½" F | ½" F | ½" F | ½" F |
| 8 | 1" F | 1" F | 1" F | 1" F |
| 9 | 1" F | 1" F | 1" F | 1" F |

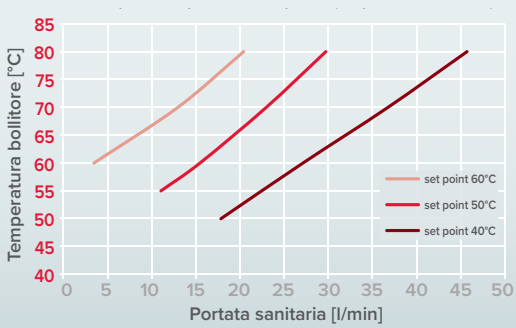
*dimenson in mm

## LIST OF COMPONENTS KAIROS COMBI

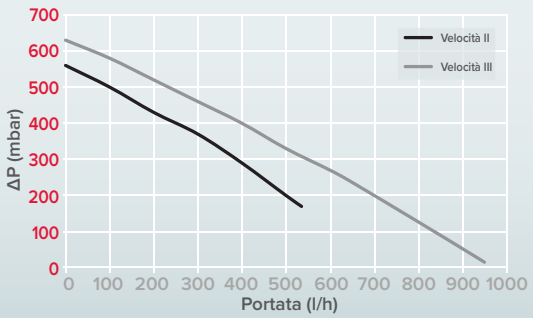
| Description | SAFETY GROUP R1/2Z Cod. 12053830 | DIGIT SOLAR PUMP GROUP (AR) Cod. 3318905 | FRESH WATER STATION Cod. 3024152 | HYDRAULIC KIT COMBI Cod. 3024174 | HEATING RETURN PROBE -S4 Cod. 3024175 | DOCUMENT. COMBI IT-ES-PT-FR-EN Cod. 3024189 | MAXIS CK1 400 Cod. 3060460 | MAXIS CK1 600 Cod. 3060461 | MAXIS CK1 800 Cod. 3060462 | MAXIS CK1 1000 Cod. 3060463 | SENSYS ** |
|---|---|---|---|---|---|---|---|---|---|---|---|
| KAIROS COMBI CK1 400 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | | | | 1 |
| KAIROS COMBI CK1 600 | 1 | 1 | 1 | 1 | 1 | 1 | | 1 | | | 1 |
| KAIROS COMBI CK1 800 | 1 | 1 | 1 | 1 | 1 | 1 | | | 1 | | 1 |
| KAIROS COMBI CK1 1000 | 1 | 1 | 1 | 1 | 1 | 1 | | | | 1 | 1 |

** Sensys (IT-EN-FR-ES-PT) Code 3318585; Sensys (PL-CZ-HU-RO) Code 3318615; Sensys (TK-RU-GR-HR-SRB) Code 3318613.

### Grafico portate acqua sanitaria disponibili (temperatura di rete 10 °C)

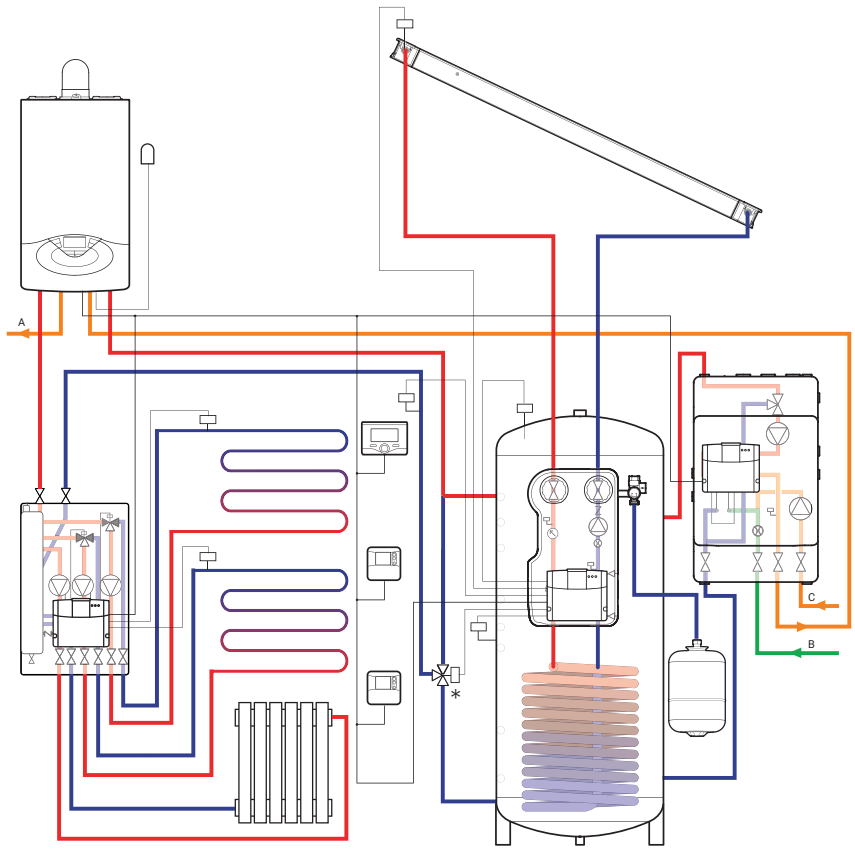


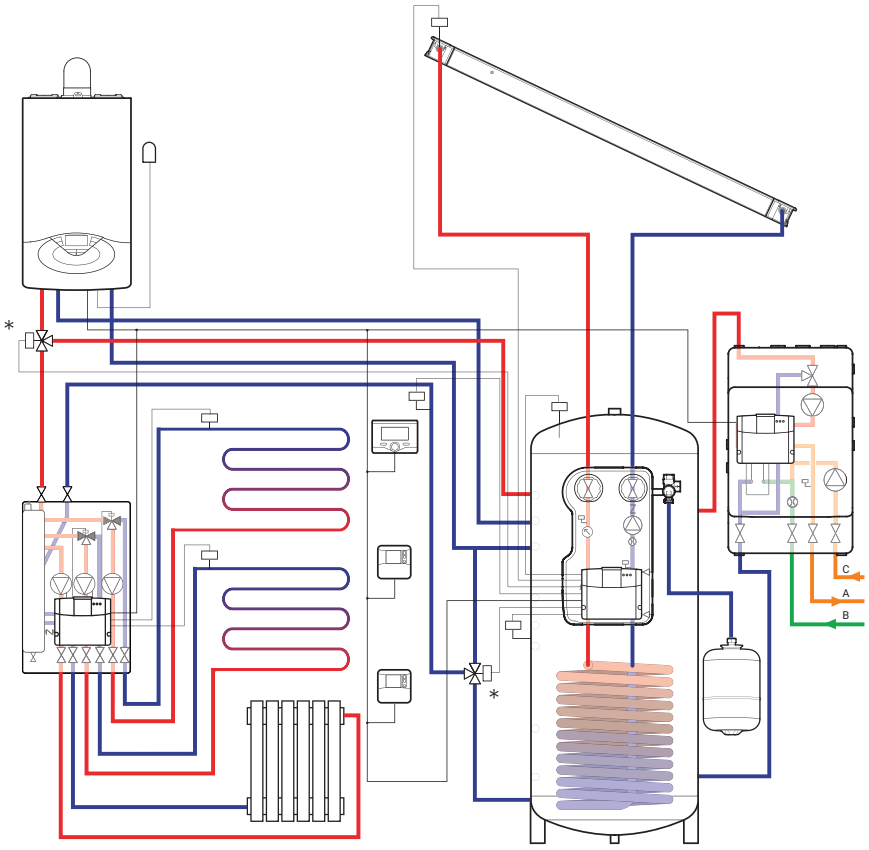

### Grafico portata Gruppo pompa digitale (temperatura di rete 10 °C)



# Kairos Combi

## MAIN LAYOUTS




*diverter valve to be ordered separately cod. 3024177

# COLLECTORS FOR FORCED CIRCULATION

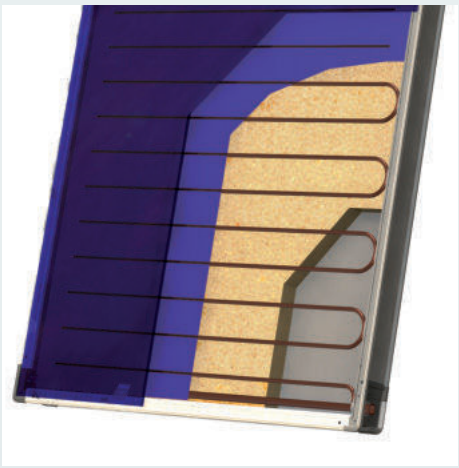



| | KAIROS XP 2.5-1V | KAIROS XP 2.5-1H | KAIROS GR2 | KAIROS CF2.0-1 |
|---|---|---|---|---|
| | 2,53 | 2,53 | 2,02 | 2,01 |
| GROSS AREA ($m^2$) | 2,53 | 2,53 | 2,04 | 2,01 |
| APERTURE AREA ($m^2$) | 2,26 | 2,26 | 1,94 | 1,83 |
| ABSORBER AREA ($m^2$) | 2,24 | 2,24 | 2,01 | 1,74 |
| EMPTY WEIGHT (kg) | 46 | 46 | 29 | 30 |
| STAGNATION TEMPERATURE (°C) | 198 | 193 | 179 | 190 |
| HEIGHT (mm) | 61 | 61 | 80 | 78 |
| LENGTH (mm) | 2241 | 1128 | 1960 | 2004 |
| WIDTH (mm) | 1128 | 2241 | 1040 | 1004 |
| INCLINED ROOF INSTALLATION | Yes | Yes | Yes | Yes |
| GROUND/FLAT ROOF INSTALLATION | Yes | Yes | Yes | Yes |
| BUILT-IN INSTALLATION | Yes | Yes | Yes | Yes |
| MAX NUMBER OF COLLECTORS | 10 | 10 | 10 | 6 |
| SOLAR KEYMARK | Yes | Yes | Yes | Yes |
| PAGE | 38 | 40 | 42 | 44 |

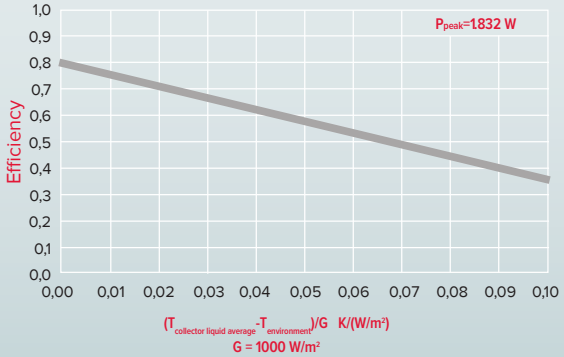
# Kairos XP 2.5-1V

## Solar collector for forced circulation optimized for big applications.

- Kairos XP 2.5-1 has a serpentine absorber optimized for big systems with multiple panels
- The blue selective surface treatment provides very high performances with the 95% absorbtion and only 5% reflection;
- Kairos XP 2.5-1 offers a very enjoyble design in its category, thanks to the accurate study of the lines, and of the external shape;
- The new o-ring connection allows a very quick installation, even eliminating the risk to damage the hydraulic connection kit;
- The tempered glass assures very high protection against hail. As well, the robust structure is wind and high-load resistant.
- The technopolymer angle, that integrates the condensate exhaust and the flanged manifold outlet, ensures a more precise production process therefore a higher quality.



Solar collector efficiency curve

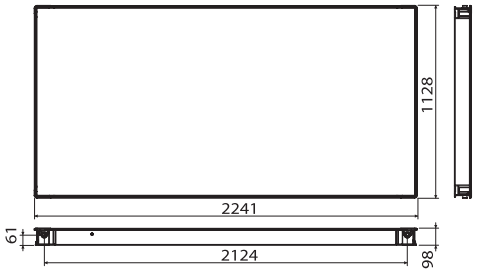


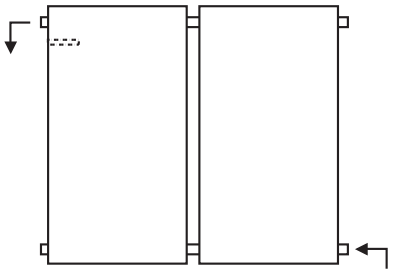

| TECHNICAL DATA | | KAIROS XP 2.5-1V |
|---|---|---|
| Empty mass | Kg | 46 |
| Working pressure | bar | 6 |
| Collector pipe diameter | mm | 18 |
| Gross surface | $m^2$ | 2.51 |
| Amount of collector liquid | l | 2.1 |
| Absorption | % | 95 |
| Emission | % | 5 |
| Aperture surface | $m^2$ | 2.26 |
| Absorbent surface | $m^2$ | 2.24 |
| Specific thermic capacity | kJ/K | 15.32 |
| $\eta_0$ | | 0.81* |
| $k_1$ | $W/m^2K$ | 3.13* |
| $k_2$ | $W/m^2K^2$ | 0.016* |
| T stagnation | °C | 198 |

* data refers to the aperture area

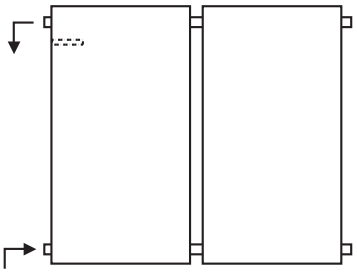
| KAIROS XP | 2.5-1V |
|---|---|
| CODE | 3020058 |

ENERGY EFFICIENT | MADE IN ITALY | PERFORMANCE PLUS | HAIL PROOF



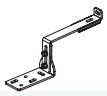
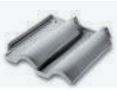
Up to 10 collectors



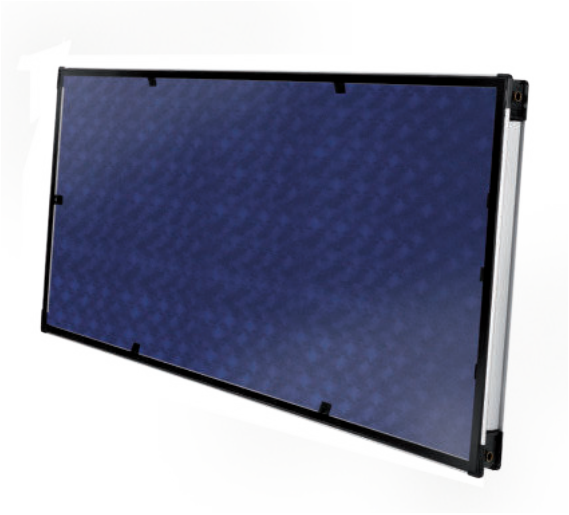
Up to 5 collectors

| KAIROS XP 2.5-1V | | 1 | | | 2 | | | | 3 | | | | 4 | | | | 5 | | | | 6 | | | | 7 | | | | 8 | | | | 9 | | | | 10 | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Description | Code | TT | TR | IN | TT | TR | IN | IN² | TT | TR | IN | IN² | TT | TR | IN | IN² | TT | TR | IN | IN² | TT | TR | IN | IN² | TT | TR | IN | IN² | TT | TR | IN | IN² | TT | TR | IN | IN² | TT | TR | IN | IN² |
| KAIROS XP 2.5-1 V | 3020058 | 1 | 1 | 1 | 2 | 2 | 2 | 4 | 3 | 3 | 3 | 6 | 4 | 4 | 4 | 8 | 5 | 5 | 5 | 10 | 6 | 6 | 6 | 12 | 7 | 7 | 7 | 14 | 8 | 8 | 8 | 16 | 9 | 9 | 9 | 18 | 10 | 10 | 10 | 20 |
| Hydraulic connection set 1 collector | 3024093 | 1 | 1 | 1 | 1 | 1 | 1 | 2 | 1 | 1 | 1 | 2 | 1 | 1 | 1 | 2 | 1 | 1 | 1 | 2 | 1 | 1 | 1 | 2 | 1 | 1 | 1 | 2 | 1 | 1 | 1 | 2 | 1 | 1 | 1 | 2 | 1 | 1 | 1 | 2 |
| Hydraulic connection set 1 collector ext. | 3024094 | | | | 1 | 1 | 1 | 2 | 2 | 2 | 2 | 4 | 3 | 3 | 3 | 6 | 4 | 4 | 4 | 8 | 5 | 5 | 5 | 10 | 6 | 6 | 6 | 12 | 7 | 7 | 7 | 14 | 8 | 8 | 8 | 16 | 9 | 9 | 9 | 18 |
| Horizontal Bars | 3024104 | 1 | 1 | | 2 | 2 | | | 3 | 3 | | | 4 | 4 | | | 5 | 5 | | | 6 | 6 | | | 7 | 7 | | | 8 | 8 | | | 9 | 9 | | | 10 | 10 | | |
| Triangle | 3024103 | | 2 | | | 2 | | | | 3 | | | | 4 | | | | 5 | | | | 6 | | | | 7 | | | | 8 | | | | 9 | | | | 10 | | |
| Inox Fixing Straps* | 3024112 | 2 | | | 3 | | | | 4 | | | | 5 | | | | 6 | | | | 7 | | | | 8 | | | | 9 | | | | 10 | | | | 11 | | | |
| In-roof kit (1 collector) | 3721434 | | | 1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| In-roof kit (2 collectors) | 3721428 | | | | | | 1 | 1 | | | 1 | 1 | | | 1 | 1 | | | 1 | 1 | | | 1 | 1 | | | 1 | 1 | | | 1 | 1 | | | 1 | 1 | | | 1 | 1 |
| In-roof kit (additional collector) | 3721429 | | | | | | | | | | 1 | 1 | | | 2 | 2 | | | 3 | 3 | | | 4 | 4 | | | 5 | 5 | | | 6 | 6 | | | 7 | 7 | | | 8 | 8 |
| 2nd row in-roof kit (2 collectors) | 3721430 | | | | | | | 1 | | | | 1 | | | | 1 | | | | 1 | | | | 1 | | | | 1 | | | | 1 | | | | 1 | | | | 1 |
| 2nd row in-roof kit (additional collector) | 3721431 | | | | | | | | | | | 1 | | | | 2 | | | | 3 | | | | 4 | | | | 5 | | | | 6 | | | | 7 | | | | 8 |

## special fixing frame for sloped roof for xp collector

| Description | | Codice | Disegno |
|---|---|---|---|
| Bent tile fixing brackets (pair) |  | 3024113 |  |
| Flat tile fixing brackets (pair) |  | 3024114 |  |
| Slate tile fixing brackets (pair) |  | 3024083 |  |
| Undulating roof fixing screws (pair) | | 3024115 |  |
| Wooden roof fixing screws (pair) | | 3024116 |  |

# Kairos XP 2.5-1H



## Solar collector for forced circulation optimized for big applications.

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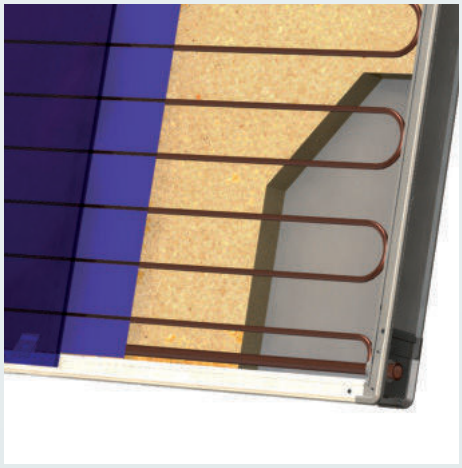
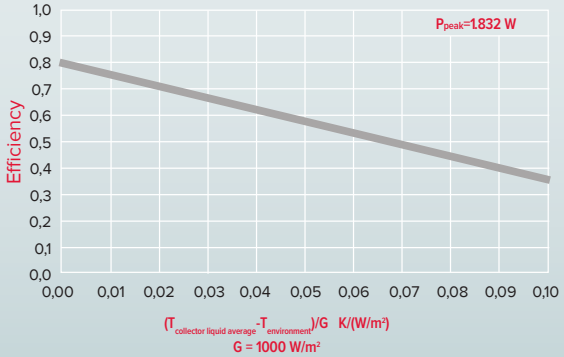
- Kairos XP 2.5-1 offers a very enjoyble design in its category, thanks to the accurate study of the lines, and of the external shape;
- The new o-ring connection allows a very quick installation, even eliminating the risk to damage the hydraulic connection kit;
- The tempered glass assures very high protection against hail. As well, the robust structure is wind and high-load resistant.
- The technopolymer angle, that integrates the condensate exhaust and the flanged manifold outlet, ensures a more precise production process therefore a higher quality.



Solar collector efficiency curve

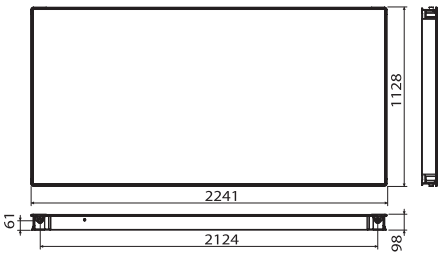


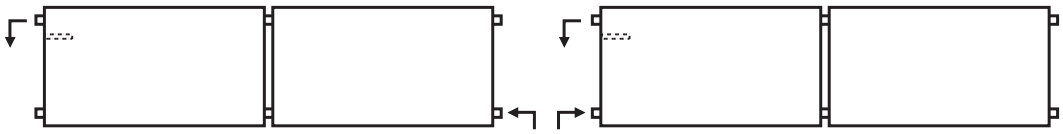

| TECHNICAL DATA | | KAIROS XP 2.5-1H |
|---|---|---|
| Empty mass | Kg | 46 |
| Working pressure | bar | 6 |
| Collector pipe diameter | mm | 18 |
| Gross surface | $m^2$ | 2.51 |
| Amount of collector liquid | l | 2.5 |
| Absorption | % | 95 |
| Emission | % | 5 |
| Aperture surface | $m^2$ | 2.26 |
| Absorbent surface | $m^2$ | 2.23 |
| Specific thermic capacity | kJ/K | 17.98 |
| $\eta_0$ | | 0.81* |
| $k_1$ | $W/m^2K$ | 3.02* |
| $k_2$ | $W/m^2K^2$ | 0.017* |
| T stagnation | °C | 193 |

* data refers to the aperture area

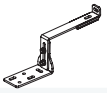
| KAIROS XP | 2.5-1H |
|---|---|
| CODE | 3020057 |

ENERGY EFFICIENT | MADE IN ITALY | PERFORMANCE PLUS | HAIL PROOF



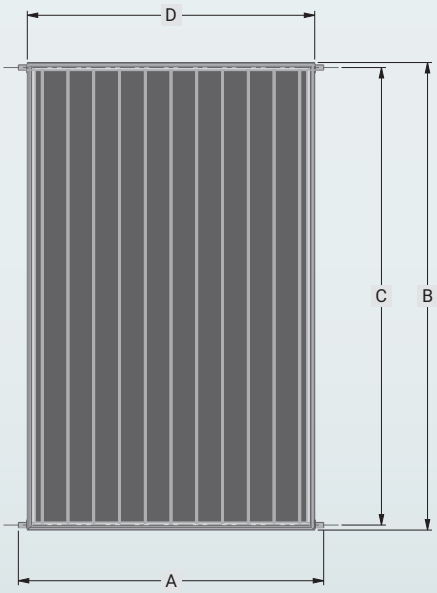

| KAIROS XP 2.5-1H | | 1 | | 2 | | 3 | | 4 | | 5 | | 6 | | 7 | | 8 | | 9 | | 10 | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Description | Code | TT | TR | TT | TR | TT | TR | TT | TR | TT | TR | TT | TR | TT | TR | TT | TR | TT | TR | TT | TR |
| KAIROS XP 2.5-1 H | 3020057 | 1 | 1 | 2 | 2 | 3 | 3 | 4 | 4 | 5 | 5 | 6 | 6 | 7 | 7 | 8 | 8 | 9 | 9 | 10 | 10 |
| Connection set 1 coll | 3024093 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| Connect set 1 additional coll XP | 3024094 | | | 1 | 1 | 2 | 2 | 3 | 3 | 4 | 4 | 5 | 5 | 6 | 6 | 7 | 7 | 8 | 8 | 9 | 9 |
| Horizontal bars (XP 2.5-1 H) | 3024106 | 1 | 1 | 2 | 2 | 3 | 3 | 4 | 4 | 5 | 5 | 6 | 6 | 7 | 7 | 8 | 8 | 9 | 9 | 10 | 10 |
| Triangle (XP 2.5-1 H) | 3024105 | | 2 | | 3 | | 4 | | 5 | | 6 | | 7 | | 8 | | 9 | | 10 | | 11 |
| Inox fixing straps* (pair) | 3024112 | 2 | | 3 | | 4 | | 5 | | 6 | | 7 | | 8 | | 9 | | 10 | | 11 | |

| special fixing frame for sloped roof for xp collector | | | |
|---|---|---|---|
| Description | | Codice | Disegno |
| Bent tile fixing brackets (pair) |  | 3024113 |  |
| Flat tile fixing brackets (pair) |  | 3024114 |  |
| Slate tile fixing brackets (pair) |  | 3024083 |  |
| Undulating roof fixing screws (pair) | | 3024115 |  |
| Wooden roof fixing screws (pair) | | 3024116 |  |

# Kairos GR2

## Solar collector for forced circulation

- High efficiency panel with 95% absorbtion
- Strong structure, available in flat and pitched configuration




| KAIROS ENERGY EVO | |
|---|---|
| A | 1110 mm |
| B | 1960 mm |
| C | 1910 mm |
| D | 1040 mm |

| TECHNICAL DATA | | THERMO GR2 |
|---|---|---|
| Extrenal dimensions (height × width × thickness) | mm | 1960 ×1040×80 |
| Gross area | $m^2$ | 2,04 |
| Aperture area | $m^2$ | 1,94 |
| Absorber area | $m^2$ | 2,01 |
| Absorber capacity | L | 1,71 |
| Frame / thickness | mm | Anodized Aluminum frame with a back plate of Aluminum / 0,4 |
| Glass | | Clear tempered glass 3,2mm; (transmittance 0,90) |
| Insulation | | Mineral Woo; 30mm back, 15mm Lateral |
| Absorber | | Aluminum |
| Absorbtion | % | 95 |
| Emission | % | 5 |
| Conversion factor | η0 | 0,72 |
| Header copper tube Ø / thickness | mm | Ø 22 / 0,70 |
| Riserer copper tube Ø / thickness | mm | Ø 8 / 0,40 |
| Number of vertical risers | No. | 8 |
| Maximum operating pressure | Bar | 10 |
| Installation | | Vertical |
| Weight (empty & packed) | Kg | 29 |
| Stagnation temperature | °C | 179°C |

| KAIROS GR2 2M | |
|---|---|
| CODE | 3020077 |

## HYDRAULIC CONNECTIONS

**A:** Connecting collectors in parallel with diagonal hydraulic connections

The collectors can be connected in parallel using the joint kit.
A maximum of 6 collectors can be connected in parallel per row.
The inlet and outlet connections of the collector array must be arranged in such a way as to form a diagonal connection (with the inlet at the bottom of one side of the array and the outlet at the top of the other side).

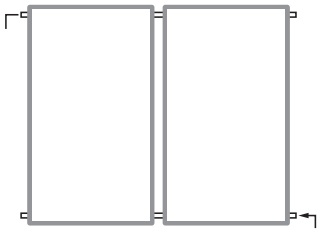
**B:** Connecting collectors in series

A single collector array may be connected in series to another array.
It is important that the number of collectors is the same in each row in order to avoid differences in fl ow rate within the arrays.

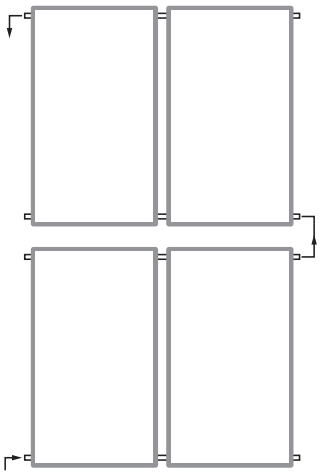
**C:** Connecting collector arrays in parallel

A single collector array may be connected in parallel to another array.
It is important that the number of collectors is the same in each row in order to avoid differences in flow rate within the arrays. Hydraulic connection should be carried out according to the principle of reverse return.

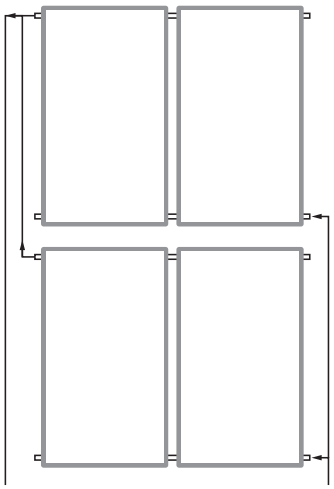
1



2



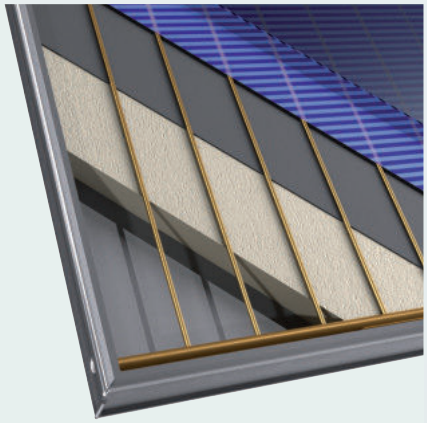
3



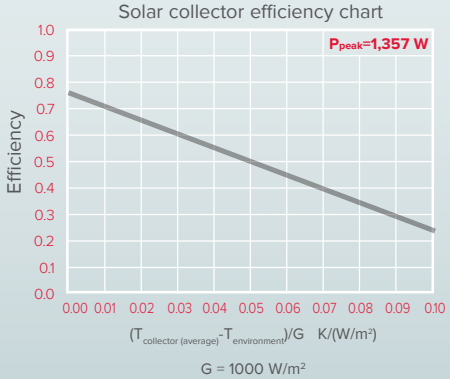
# Kairos CF 2.0-1

## Solar collector for forced circulation

- / Absorber with highly selective treatment to titanium oxides (95% absorption 5% emission)
- / Hail-proof anti-reflective glass
- / harp-shaped aluminum absorber with copper pipes for optimal efficiency
- / Can be inclined between 30° and 60°



Solar collector efficiency chart




G = 1000 W/m²

| TECHNICAL DATA | | KAIROS CF 2.0-1 |
|---|---|---|
| Empty weight | kg | 30 |
| Gross surface area 2.01 m2 | $m^2$ | 2.01 |
| Working pressure | bar | 6 |
| Collector pipe diameter | mm | 18 |
| Amount of collector liquid | l | 1.0 |
| Absorption | % | 95 |
| Emission | % | 5 |
| Aperture surface | $m^2$ | 1.83 |
| Absorbent surface | $m^2$ | 1.74 |
| Specific heat capacity | kJ/K | 13 |
| η0 | | 0.74* |
| k1 | $W/m^2K$ | 3.82* |
| k2 | $W/m^2K^2$ | 0.013* |
| stagnation T | °C | 190 |

* data referring to the aperture area

| KAIROS CF 2.0-1 | 2.0-1 |
|---|---|
| CODE | 3020072 |

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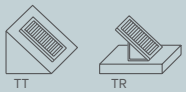
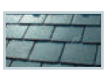
## FLAT ROOF AND GROUND INSTALLATION




| | | 1 | | 2 | | 3 | | 4 | | 5 | | 6 | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Description | Codice | TT | TR | TT | TR | TT | TR | TT | TR | TT | TR | TT | TR |
| Collector KAIROS CF 2.0-1 | 3020072 | 1 | 1 | 2 | 2 | 3 | 3 | 4 | 4 | 5 | 5 | 6 | 6 |
| Kit hydraulic connections 1 collector CF 2.0-1 | 3024364 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| Kit hydraulic connections 1 additional collector CF 2.0-1 | 3024363 | | | 1 | 1 | 2 | 2 | 3 | 3 | 4 | 4 | 5 | 5 |
| Roof frame kit 1 coll CF 2.0-1 | 3024359 | 1 | | | | 1 | | | | 1 | | | |
| Roof frame 2 coll CF 2.0-1 | 3024360 | | | 1 | | 1 | | 2 | | 2 | | 3 | |
| Roof frame 1 extension CF 2.0-1 | 3024361 | | | | | 1 | | 1 | | 2 | | 2 | |
| Horizontal bars CF 2.0/2.0-1 | 3024249 | | 1 | | 2 | | 3 | | 4 | | 5 | | 6 |
| Triangle XP 2.5V - CF 2.0/2.0-1 | 3024103 | | 2 | | 2 | | 3 | | 4 | | 5 | | 6 |

## IN-ROOF INSTALLATION


| | | 1 | | | 2 | | | 3 | | | N | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Description | Codice | A | T | C | A | T | C | A | T | C | A | T | C |
| Collettore KAIROS CF 2.0-1 | 3020072 | 1 | 1 | 1 | 2 | 2 | 2 | 3 | 3 | | N | N | |
| Kit raccordi idraulici 1 coll circ. forzata CF 2.0-1 | 3024364 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | | 1 | 1 | |
| Kit raccordi idraulici 1 coll aggiuntivo CF 2.0-1 IR | 3024353 | | | | 1 | 1 | 1 | 2 | 2 | | N-1 | N-1 | |
| Kit in-roof slate 1 coll CF 2.0-1 | 3024344 | 1 | | | | | | | | | | | |
| Kit in-roof slate 2 coll CF 2.0-1 | 3024345 | | | | 1 | | | 1 | | | 1 | | |
| Kit in-roof slate 1 additional colector CF 2.0-1 | 3024346 | | | | | | | 1 | | | N-2 | | |
| Kit in-roof flat tile 1 coll CF 2.0-1 | 3024347 | | 1 | | | | | | | | | | |
| Kit in-roof flat tile 2 coll CF 2.0-1 | 3024348 | | | | | 1 | | | 1 | | | 1 | |
| Kit in-roof flat tile 1 additional collector CF 2.0-1 | 3024349 | | | | | | | | 1 | | | N-2 | |
| Kit in-roof curved tile 1 coll CF 2.0-1 | 3024350 | | | 1 | | | | | | | | | |
| Kit in-roof curved tile 2 coll CF 2.0-1 | 3024351 | | | | | | 1 | | | | | | |

**A** - slate  **T** - flat tile  **C** - curved tile  **N** - 4-5-6

## COMPOSITION OF THE ROWS OF SOLAR COLLECTORS

Efficient products for the satisfaction of the user, easiness and flexibility of installation to help the installer: this perfect coupling characterizes our solar collectors and is one of the reason why Ariston's solar products are choosen every year from millions of customer around the world.

The collectors of Ariston solar range can be installed on the ground or flat roof, on sloped roof and in-roof (Kairos XP 2.5-1 V only).

For any of the above mentioned installation possibility, the following tables are designed to help the installer and the end user choosing the correct installation and hydraulic accessories for any kind of solar collector.

Example of ground installation

Example of sloped roof installation

Example of in-roof installation (only Kairos XP 2.5-1V)



### TABLE SHOWING COMPOSITION OF ROWS FOR ON-ROOF AND GROUND INSTALLATION

| | | 1 | | 2 | | 3 | | 4 | | 5 | | 6 | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Description | Code | TT | TR | TT | TR | TT | TR | TT | TR | TT | TR | TT | TR |
| Collector KAIROS CF 2.0-1 | 3020072 | 1 | 1 | 2 | 2 | 3 | 3 | 4 | 4 | 5 | 5 | 6 | 6 |
| Hydraulic connection kit 1 forced circ. coll. CF 2.0-1 | 3024364 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| Hydraulic connection kit for additional collector SYS 2.0-1 | 3024363 | | | 1 | 1 | 2 | 2 | 3 | 3 | 4 | 4 | 5 | 5 |
| Rooftop frame kit - 1 collector CF 2.0-1 | 3024359 | 1 | | | | 1 | | | | 1 | | | |
| Rooftop frame 2 collectors CF 2.0-1 | 3024360 | | | 1 | | 1 | | 2 | | 2 | | 3 | |
| Rooftop frame 1 extension for CF 2.0-1 | 3024361 | | | | | 1 | | 1 | | 2 | | 2 | |
| Horizontal bars CF 2.0/2.0-1 | 3024249 | | 1 | | 2 | | 3 | | 4 | | 5 | | 6 |
| Triangle XP 2.5V - CF 2.0/2.0-1 | 3024103 | | 2 | | 2 | | 3 | | 4 | | 5 | | 6 |
| Row code | | CF1TT | CF1TR | CF2TT | CF2TR | CF3TT | CF3TR | CF4TT | CF4TR | CF5TT | CF5TR | CF6TT | CF6TR |

# TABLE SHOWING COMPOSITION OF ROWS FOR RECESSED INSTALLATION (IN-ROOF)

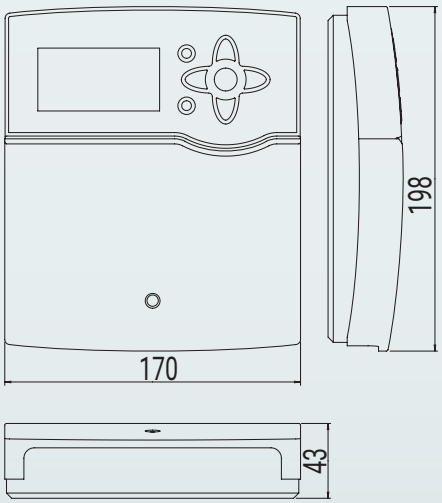
| | | 1 | | | 2 | | | 3 | | | N | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Description | Code | A | T | C | A | T | C | A | T | C | A | T | C |
| Collector KAIROS CF 2.0-1 | 3020072 | 1 | 1 | 1 | 2 | 2 | 2 | 3 | 3 | | N | N | |
| Hydraulic connection kit 1 forced circ. coll. CF 2.0-1 | 3024364 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | | 1 | 1 | |
| Hydraulic connection kit 1 additional collector CF 2.0-1 IR | 3024353 | | | | 1 | 1 | 1 | 2 | 2 | | N-1 | N-1 | |
| Slate in-roof kit - 1 collector CF 2.0-1 | 3024344 | 1 | | | | | | | | | | | |
| Slate in-roof kit - 2 collectors CF 2.0-1 | 3024345 | | | | 1 | | | 1 | | | 1 | | |
| Slate in-roof kit - 1 additional collector CF 2.0-1 | 3024346 | | | | | | | 1 | | | N-2 | | |
| Marseilles tile in-roof kit - 1 collector CF 2.0-1 | 3024347 | | 1 | | | | | | | | | | |
| Marseilles tile in-roof kit - 2 collectors CF 2.0-1 | 3024348 | | | | | 1 | | | 1 | | | 1 | |
| Marseilles tile in-roof kit - 1 additional collector CF 2.0-1 | 3024349 | | | | | | | | 1 | | | N-2 | |
| Curved tile in-roof kit - 1 collector CF 2.0-1 | 3024350 | | | 1 | | | | | | | | | |
| Curved tile in-roof kit - 2 collectors CF 2.0-1 | 3024351 | | | | | | 1 | | | | | | |
| Row code | | CF1AIR | CF1TIR | CF1CIR | CF2AIR | CF2TIR | CF2CIR | CF3AIR | CF3TIR | - | - | - | - |

## MINIMUM EXTERNAL TEMPERATURE / PERCENTAGE

| | | -3°/10% | | -7°/20% | | -14°/30% | | -23°/40% | | -32°/50% | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | water | glycol | water | glycol | water | glycol | water | glycol | water | glycol | MIXTURE CONTENT |
| Natural Circulation kit | I 150/1 | 18 | 2 | 15 | 5 | 15 | 5 | - | - | - | - | 20 |
| | I 200/1 | 22.5 | 2.5 | 20 | 5 | 17.5 | 7.5 | - | - | - | - | 25 |
| | I 200/2 | 22.5 | 2.5 | 20 | 5 | 17.5 | 7.5 | - | - | - | - | 25 |
| | I 300/2 | 22.5 | 2.5 | 20 | 5 | 17.5 | 7.5 | - | - | - | - | 25 |
| Forced Circulation kit | I 200/2 CF1 | 12 | 1 | 10.5 | 2.5 | 9 | 4 | 8 | 5 | 6.5 | 6.5 | 13 |
| | I 200/2 CF2 | 8 | 1 | 7 | 2 | 6.5 | 2.5 | 5.5 | 3.5 | 4.5 | 4.5 | 9 |
| | I 300/2 CF1 | 16 | 2 | 14.5 | 3.5 | 12.5 | 5.5 | 11 | 7 | 9 | 9 | 18 |
| | I 300/2 CF2 | 16 | 2 | 14.5 | 3.5 | 12.5 | 5.5 | 11 | 7 | 9 | 9 | 18 |
| | I 400/3 CF2 | 20.5 | 2.5 | 18.5 | 4.5 | 16 | 7 | 14 | 9 | 11.5 | 11.5 | 23 |
| | I 500/4 CF2 | 25 | 3 | 22.5 | 5.5 | 19.5 | 8.5 | 17 | 11 | 14 | 14 | 28 |
| Supplementary CF kit connections | 18 - 5 m_pipe | + 1 | + 0 | + 1 | + 0 | + 1 | + 1 | + 1 | + 1 | + 1 | + 1 | + 1 |
| | 18 -10 m_pipe | + 2 | + 0 | + 1.5 | + 0.5 | + 1.5 | + 1 | + 1 | + 1 | + 1 | + 1 | + 2 |
| | 18 -20 m_pipe | + 3.5 | + 0.5 | + 3 | + 1 | + 3 | + 1 | + 2.5 | + 1.5 | + 2 | + 2 | + 4 |
| | 18 -30 m_pipe | + 5.5 | + 0.5 | + 5 | + 1 | + 4 | + 2 | + 3.5 | + 2.5 | + 3 | + 3 | + 6 |
| | 22 - 5 m_pipe | + 2 | + 0 | + 1.5 | + 0.5 | + 1.5 | + 0.5 | + 1 | + 1 | + 1 | + 1 | + 2 |
| | 22 -10 m_pipe | + 2.5 | + 0.5 | + 2.5 | + 0.5 | + 2 | + 1 | + 2 | + 1 | + 1.5 | + 1.5 | + 3 |
| | 22 -20 m_pipe | + 5.5 | + 0.5 | + 5 | + 1 | + 4 | + 2 | + 3.5 | + 2.5 | + 3 | + 3 | + 6 |
| | 22 -30 m_pipe | + 8 | + 1 | + 7 | + 2 | + 6 | + 3 | + 5.5 | + 3.5 | + 4.5 | + 4.5 | + 9 |

# Solar Manager Pro


- / Menu simplified and quick to set-up
- / 7 main schemes and + 20 variants
- / 8 sensor inputs and 5 relay outputs
- / 2 PWM or 0/10V signal to drive up to 2 modulating pumps
- / Up to 2 extension modules via VBus® connectable (21 sensors and 15 relays in total)
- / Irradiation based function to exploit solar energy
- / Possibility to set up by remote or by SD card
- / Measure and report of solar energy expoitation
- / Compatible with ADEME Fond Chaleur (GRS) protocol
- / Complete accessories range for basic and evolved functions



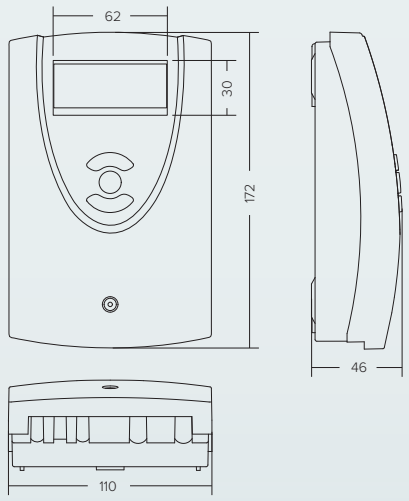

| TECHNICAL DATA | SOLAR MANAGER PRO |
|---|---|
| Inputs | 8 |
| Outputs | 4 semiconductor relays, 1 potential-free relay, 2 PWM outputs |
| Power supply | 230 |
| Protection type | 20 |
| Ambient temperature | 0 ÷ 40 |
| Dimensions | 198 x 170 x 43 |

| | SOLAR MANAGER PRO |
|---|---|
| CODE | 3024252 |

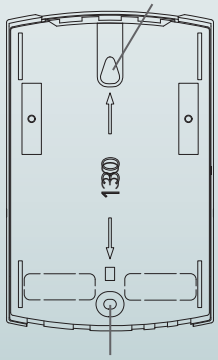
# Solar Manager Izy Plus


- / Especially designed for the speed control of high efficiency pumps
- / 1 input for a VFD Grundfos Direct SensorTM
- / System Monitoring Display
- / Up to 4 Pt1000 temperature sensors
- / 2 semiconductor relays for pump speed control
- / HE pump control
- / Heat quantity measurement
- / Commissioning menu
- / 10 basic systems to choose from
- / Function control
- / Optional thermal disinfection function
- / Drain back option
- / Unit °F and °C selectable
- / 3 temperature probes Pt1000 (1 collector + 2 cylinder)
- / Wall hung kit

Dimensions and minimum distances




Upper fastening

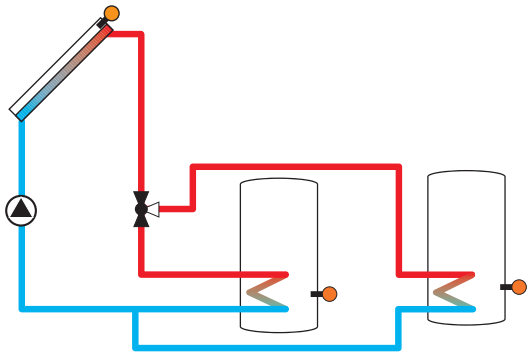



Lower fastening

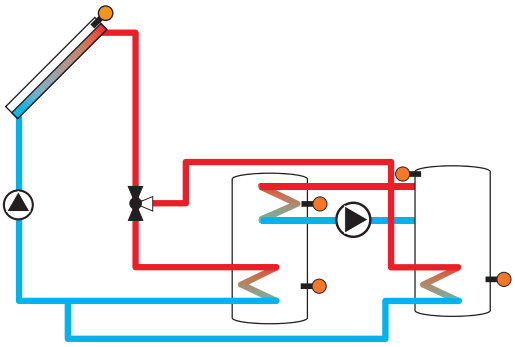
| TECHNICAL DATA | SOLAR MANAGER IZY PLUS |
|---|---|
| Inputs | 4 Pt1000 temperature sensors, 1 VFD Grundfos Direct SensorTM |
| Outputs | 2 semiconductor relays, 2 PWM outputs |
| PWM frequency | 512 Hz |
| PWM voltage | 10.5 V |
| Switching capacity | 1 (1) A 240 V~ (semiconductor relay) |
| Total switching capacity | 2 A 240 V~ |
| Power supply | 100 – 240 V~ (50 – 60 Hz) |
| Supply connection | type X attachment |
| Standby | 0.64 W |
| Temperature controls class | I |
| Energy effciency [%] | 1 |
| Mode of operation | type 1.C.Y action |
| Rated impulse voltage | 2.5 kV |
| Data interface | VBus® |
| VBus® current supply | 35 mA |
| Functions: | function control, operating hours counter, tube collector function, thermostat function, speed control and heat quantity measurement |
| Housing | plastic, PC-ABS and PMMA |
| Mounting | wall mounting, mounting into patch panels is possible |
| Indication / Display | System-Monitoring-Display for visualisation of systems, 16-segment and 7-segment display, 8 symbols for indication of system status |
| Operation | 3 buttons |
| Ingress protection | IP 20 / EN 60529 |
| Protection class | I |
| Ambient temperature: | 0 ... 40 °C |
| Pollution degree | 2 |
| Fuse | T2A |
| Maximum altitude | 2000 m above MSL |
| Dimensions | 172 x 110 x 46 mm |

| | SOLAR MANAGER IZY PLUS |
|---|---|
| CODE | 3024548 |

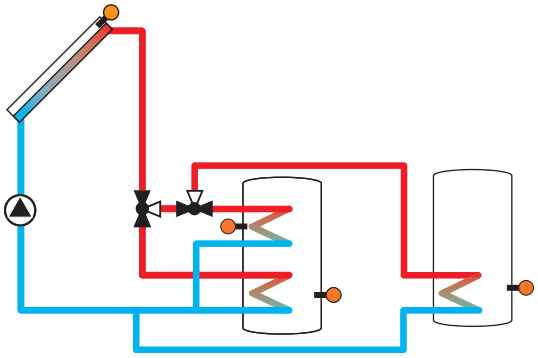
# General System Diagrams



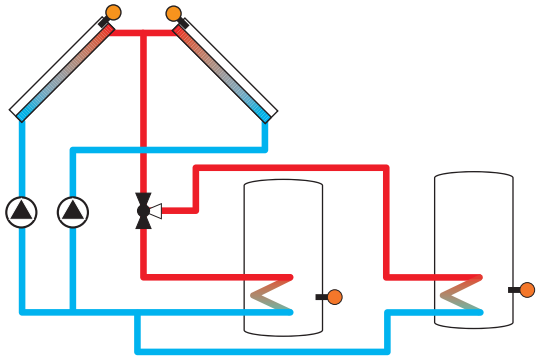
Solar system with 2 tanks,
probes and a 1 three way valve



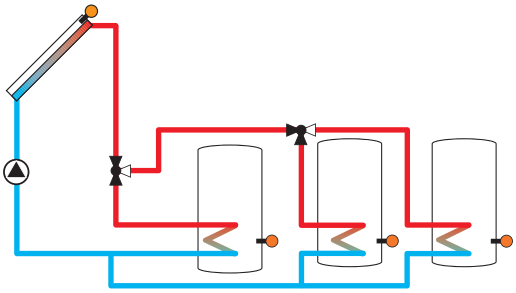
Solar system with 2 tanks,
valve control and heat exchange



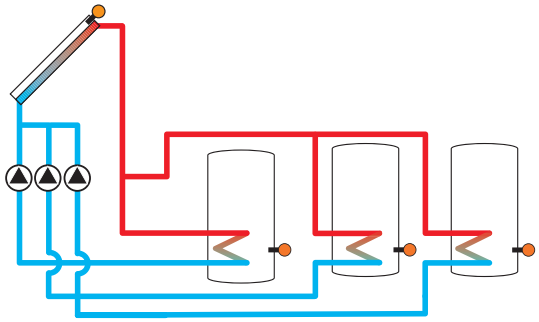
Solar system with 2 tanks,
of which one is stratified



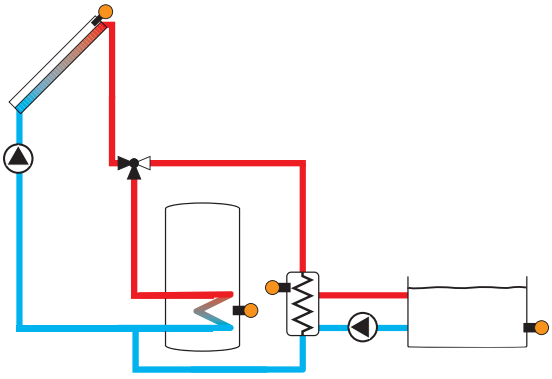
Solar system with 2 tanks and
est/ovest collectors



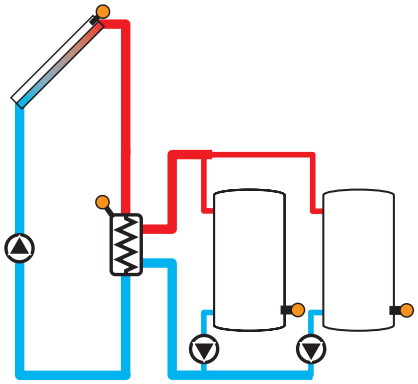
Solar system with 3 tanks,
valve control and priority logic



Solar system with 3 tanks,
pump control and priority logic



Solar system with 1 tank,
1 swiming pool, collectors, 1 external heat exchanger,
1 three way valve



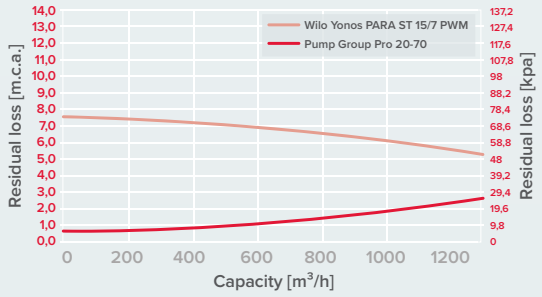
Solar system with 2 tanks,
1 external heat exchanger and pump control

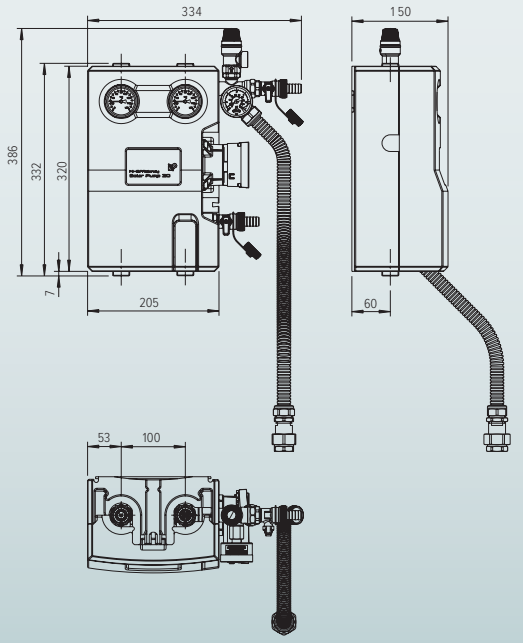
# Solar Manager Pro Accessories

| Accessories to manage the solar system | Code | |
|---|---|---|
| DATALOGGER DL3 PRO<br>With the DL3 Pro you can easily and conveniently log system data of up to 6 controllers get a comprehensive overview of all controllers connected with the large full graphic display. Transfer data with an SD memory card, or use the LAN interface to view and process data on your PC. | 3024276 |  |
| DATALOGGER DL2 PRO<br>This module enables the acquisition and storage of large amounts of data (such as measuring and balance values of the solar system) over a long period of time. System access is possible with just a few clicks via VBus.net For transmission of the data stored in the internal memory of the DL2 to a PC, an SD card can be used. | 3024277 |  |
| I/O EXTENSION MODULE 6-5 PRO<br>The extension Module provides 5 additional relays and 6 additional sensor inputs. Up to 3 extension modules can be connected to the Solar Manager Pro via VBus®. The Extension Modules themselves do not require any adjustments, they are simply connected and assigned to the controller. The inputs and outputs of the registered modules will then be available for all functions of the controller. | 3024279 |  |
| IRRADIATION SENSOR PRO<br>The solar cell is used for measuring the irradiation intensity. The short-circuit current rises with increasing irradiation intensity. The sensor can also be used for additional functions. The connecting cable can be extended to 100 m. | 3024278 |  |
| RPD SENSOR PRO<br>Measure the temperature and the relative pressure with a single measuring element and then transmit the measured values directly. They can be optimally used for leakage and overpressure monitoring. Can be used in aggressive media as well as in domestic water and thus are ideal for the application in solar thermal and heating systems. | 3024282 |  |
| VFD SENSOR PRO SMALL<br>The digital sensor measure the temperature and the flow rate with a single measuring Can be used in aggressive media as well as in domestic water and thus are ideal for measuring the flow rate and the heat quantity in solar thermal and heating systems. VFD Pro Small has an operative flow range 1-12l / 25-80°C MaxT 100°C (120°C short). | 3024280 |  |
| VFD SENSOR PRO BIG<br>The digital sensor measure the temperature and the flow rate with a single measuring Can be used in aggressive media as well as in domestic water and thus are ideal for measuring the flow rate and the heat quantity in solar thermal and heating systems.<br>VFD Pro big has an operative flow range 2-40l/ 25-80°C MaxT 100°C (120°C short). | 3024281 |  |
| SOLAR MANAGER PROBE - COLLECTOR<br>Probe for collectors, related to PRO electronics | 3024273 |  |
| SOLAR MANAGER PROBE - CYLINDERS<br>Probe for cylinders, related to PRO electronics | 3024274 |  |
| SOLAR MANAGER PROBE - CUFF TUBE<br>Probe for PRO electronics, to be applied on the pipes | 3024275 |  |
| OVERVOLTAGE PROTECTION<br>The device should be used in order to protect the susceptible temperature sensors in or at the collector against induced overvoltages. In the case of local thunderstorms, voltage peaks which could destroy the sensor can be induced in the sensor cable. The protector diodes in the Overvoltage protection limit these overvoltages to a value harmless to the sensor. The best way to protect the sensor is to install this connecting box close to the sensor. | 3024284 |  |
| LAN INTERFACE - SOLAR MANAGER PRO<br>It is designed for the direct connection of the controller to a PC or router. It enables easy access to the controller via the local network of the owner. Thus, controller access, system parametrisation and data read-out can be effected from every workstation of the network. | 3024283 |  |
| ALARM MODULE PRO<br>It is to be connected to the VBus® of the controller and issues an optical signal via the red LED if a failure has occurred. It has a potential-free relay output, which can e.g. be connected to a building management system (BMS) to issue a general warning in the case of a system failure. | 3024292 |  |

# Pump Group Pro 20-70

/ Compact size
/ External PPS casing
/ High efficiency pumps



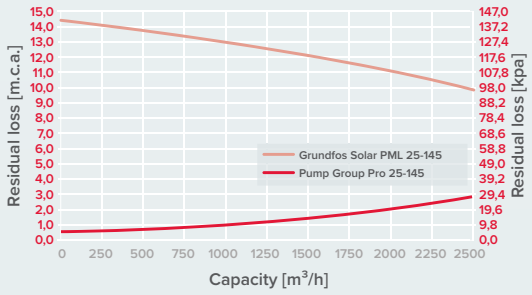

| TECHNICAL DATA | PUMP GROUP PRO 20 - 70 |
|---|---|
| Max. admissible pressure | PN 10 |
| Max. operating temperature | 120 °C |
| Max. short-time temperature | 160 °C, < 15 minutes |
| Max. propylene glycol content | 50% |
| Pressure relief valve | 6 bars |
| Pressure gauge | 0 - 6 bars |
| Check valves | 2x200 mm wc |
| Valves and fittings | Brass |
| Gaskets | EPDM |
| Check valves | Brass |
| Insulation | 0.041 W/(m K) |

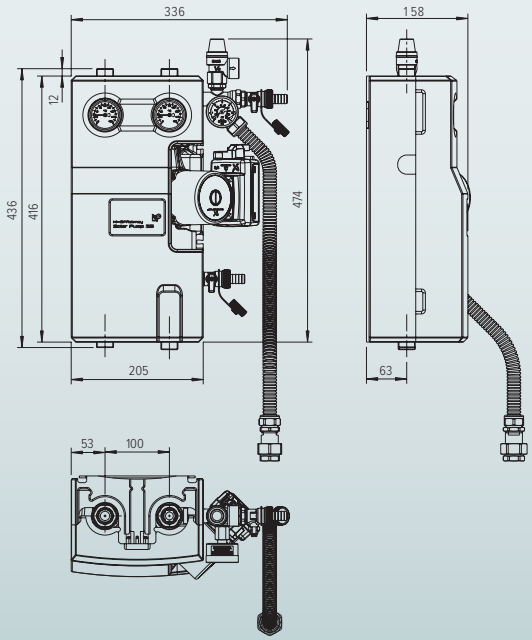
| PUMP GROUP PRO | 20 - 70 |
|---|---|
| CODE | 3024256 |

For the whole accessory list see page 57

# Pump Group Pro 25-145

/ Compact size
/ External PPS casing
/ High efficiency pumps



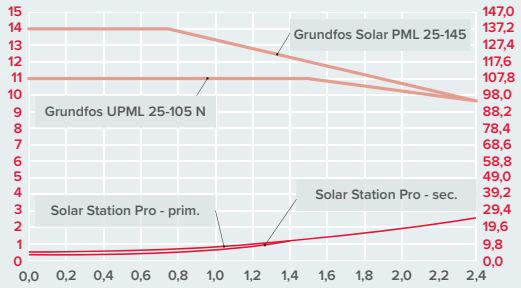

| TECHNICAL DATA | PUMP GROUP PRO 25-145 |
|---|---|
| Max. admissible pressure | PN 10 |
| Max. operating temperature | 120 °C |
| Max. short-time temperature | 160 °C, < 15 minutes |
| Max. propylene glycol content | 50% |
| Pressure relief valve | 6 bars |
| Pressure gauge | 0 - 6 bars |
| Check valves | 2x200 mm wc |
| Valves and fittings | Brass |
| Gaskets | EPDM |
| Check valves | Brass |
| Insulation | 0.041 W/(m K) |

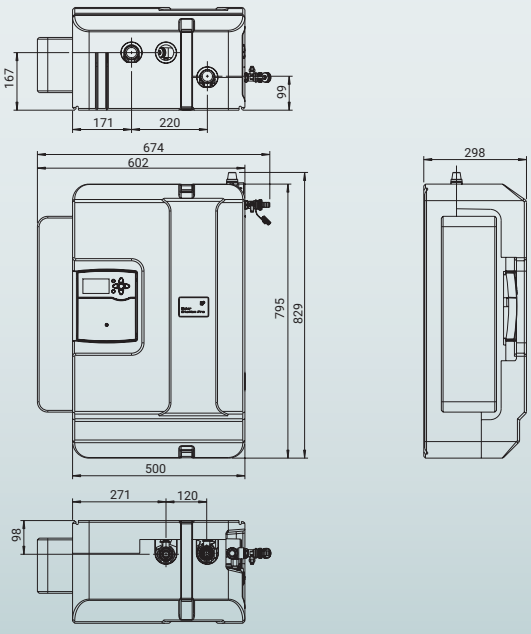
| PUMP GROUP PRO | 25-145 |
|---|---|
| CODE | 3024258 |

For the whole accessory list see page 57

# Solar Station Pro

- / Compact size
- / External PPS casing
- / High performing Plate exchanger
- / High efficiency pumps on Solar and secondary circuits
- / DHW compliancy
- / Solar Manager Pro embedded



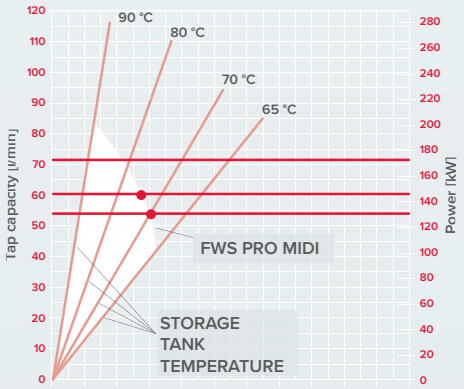

| TECHNICAL DATA | | SOLAR STATION PRO |
|---|---|---|
| Maximum pressure primary side | bar | 6 |
| Maximum pressure secondary side | bar | 10 |
| Maximum temperature primary side | °C | 120 |
| Maximum temperature secondary side | °C | 95 |
| Number of plates exchanger | | 60 |
| Sensors installed | | 3 x Pt1000 |
| Sensors in the packaging | | 2 x Pt1000 |

| SOLAR STATION PRO | |
|---|---|
| CODE | 3024261 |

For the whole accessory list see page 57

# Fws Pro Midi

- / External PPS casing
- / High performing Plate exchanger
- / Instantaneous DHW production reduce bacteria risks
- / ACS and DM174 compliancy
- / Controller embedded

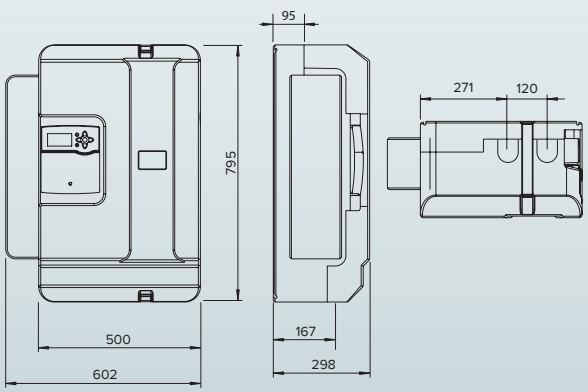



Water temperature at the tap: 45°C
Water temperature at production: 60°C
Cold water temperature: 10°C

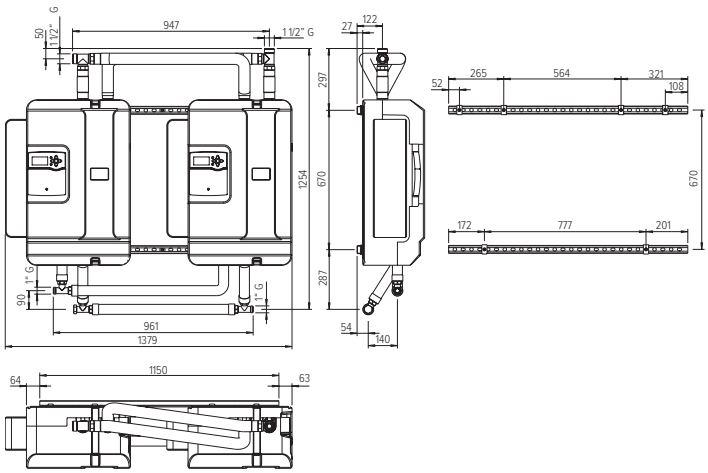
| TECHNICAL DATA | | FWS PRO MIDI |
|---|---|---|
| Maximum pressure primary side | bar | 6 |
| Maximum pressure secondary side | bar | 10 |
| Maximum temperature | °C | 95 |
| Number of plates exchanger | | 40 |

| | FWS PRO MIDI |
|---|---|
| CODE | 3024263 |

### SINGLE INSTALLATION SCHEME



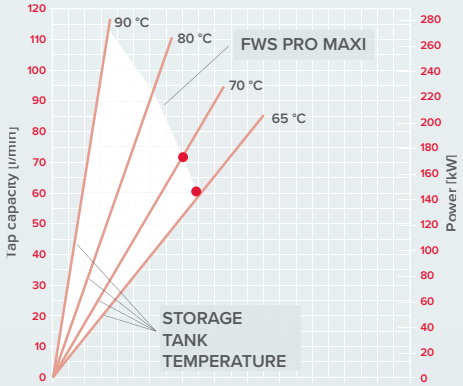

### CASCADE INSTALLATION SCHEME




For the whole accessory list see page 57

# Fws Pro Maxi

- / External PPS casing
- / High performing Plate exchanger
- / Instantaneous DHW production reduce bacteria risks
- / ACS and DM174 compliancy
- / Controller embedded

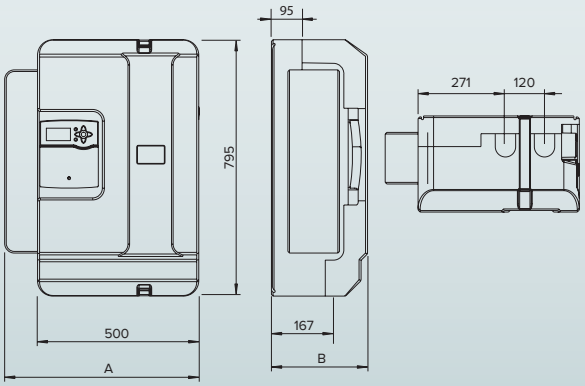



Water temperature at the tap: 45°C
Water temperature at production: 60°C
Cold water temperature: 10°C

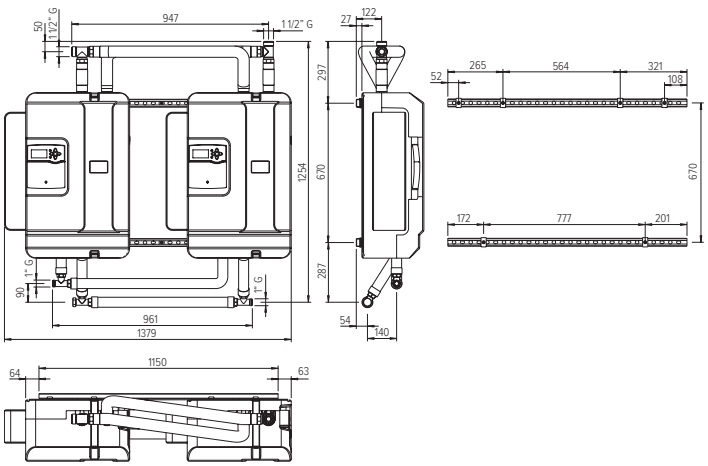
| TECHNICAL DATA | | FWS PRO MAXI |
|---|---|---|
| Maximum pressure primary side | bar | 6 |
| Maximum pressure secondary side | bar | 10 |
| Maximum temperature | °C | 95 |
| Number of plates exchanger | | 60 |

| | FWS PRO MAXI |
|---|---|
| CODE | 3024264 |

### SINGLE INSTALLATION SCHEME



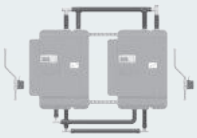

### CASCADE INSTALLATION SCHEME




For the whole accessory list see page 57

# Solar Accessories

| Devices and accessories for solar collectors | Code |
|---|---|
| CIRCULATION KIT FWS PRO MIDI-MAXI | 3024265 |
| CASCADE KIT FWS PRO MIDI | 3024268 |
| CASCADE KIT FWS PRO MAXI | 3024269 |
| CIRCULATION KIT FWS PRO MIDI CASCADE | 3024270 |
| CIRCULATION KIT FWS PRO MAXI CASCADE | 3024271 |
| 3-WAY VALVE PRO - DN 20<br>Destratification valve to install SOLAR STATION PRO | 3024262 |
| 3-WAY VALVE PRO - DN 25<br>Destratification valve to install single FWS PRO MIDI | 3024266 |
| 3-WAY VALVE PRO - DN 32<br>Destratification valve to install single FWS PRO MAXI | 3024267 |
| 3-WAY VALVE PRO - DN 40<br>Destratification valve to install FWS PRO MIDI in cascade | 3024325 |
| RPR SENSOR PRO - PRESSURE SENSOR | 3024326 |



| Solar system management accessories and devices | Code | |
|---|---|---|
| Sensys, modulating system manager (wired)<br>- Remote control of all boiler functions through the BUS Bridgenet protocol<br>- User-Friendly Setting/Configuration of system parameters<br>- thermoregulation<br>- Display of solar system working (if connected)<br>- Display of energy reports (kWh), solar energy production, CO2 savings, storaged DHW<br>- Modulating sensor for detecting of the room temperature<br>- User-friendly daily and weekly scheduling of central heating<br>- User-friendly daily and weekly scheduling of domestic hot water (only in case of only-heating boiler coupled to a tank) | 3318585<br>IT-EN-FR-ES-PT<br><br>3318615<br>PL-CZ-HU-RO |  |
| SOLAR MANAGER IZY PLUS<br>Especially designed for the speed control of high efficiency pumps, 1 input for a VFD, Grundfos Direct SensorTM, • System Monitoring Display, Up to 4 Pt1000 temperature sensors, 2 semiconductor relays for pump speed control, HE pump control, Heat quantity measurement, Commissioning menu, 10 basic systems to choose from, Function control, Optional thermal disinfection function, Drain back option, Unit °F and °C selectable.<br>STANDARD EQUIPMENT: 3 temperature probes Pt1000 (1 collector + 2 cylinder), Wall hung kit, Manuals IT, EN, FR, ES.<br>Dimensions: 110 x 166 x 47 mm. | 3024548 |  |
| Additional DHW solar probe<br>Cylinder probe with diameter of 6 mm Pt1000 Class B DIN with 1 metre of blue cable suitable for measuring cylinder temperatures; range -50°C/+110°C. Compatible with Elios 25. | 3024274 |  |
| Additional collector solar probe<br>Cylinder probe with diameter of 6 mm Pt1000 Class B DIN with 1 metre of grey cable suitable for measuring collector temperatures; range -50°C/+200°C. Compatible with Elios 25. Copper well and probe-holder clamp included. | 3024273 |  |
| Digital thermostat<br>Device with input for probe and output for the actuation of a high voltage load at 250 V like a diverter valve with 2 or 3 wires. The three digit display allows to view the temperatures and the setting of the functioning parameters.<br>Supplied cylindrical probe with diameter of 6 mm Ptc1000 with 1.5 metres of cable.<br>Dimensions: 79 x 115 x 42 mm. | 800232 |  |
| Electrical resistance<br>Flanged resistance kit for 1.5 kW single-phase natural circulation systems and 220 V power supply. Includes flange, magnesium anode, thermostat and small cap. Suitable for Kairos Thermo Direct (all versions) and Kairos Thermo HF (all versions). | 107069 |  |
| Safety group<br>Pre-assembled group including safety valve, automatic air release valve and manometer | 12053830 | |
| Heating Return Probe S4 | 3024175 | |
| EXTENSION PUMP PRO 25-145 | 3024259 | |
| PIPES KIT EXTENSION PUMP PRO 25 | 3024260 | |

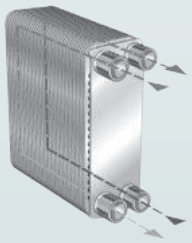
# Solar Accessories

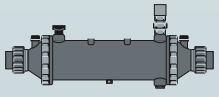
| Hydraulic devices and accessories | Code |
|---|---|
| Digital Solar Pump Group<br>Pumping station for forced circulation plants, equipped with a safety, regulation and rinse unit, digital pressure and temperature sensors,electronic control board provided with a collector probe and two tank probes. Hydraulic connections in 18 mm or in 3/4" flat seal version. Dimensions: 275 x 480 mm. flow - return axles distance 125 mm.NB: system interface SENSYS to be ordered separately | 3318905 |
| Thermostatic mixer<br>Bronze mixing valve designed for solar application able to supply constant temperature in a wide range of regulations with reaction times at extremely low thermal transients.<br>Equipped with scald-proof mechanism, protection against calcification and corrosion.<br>Dimensions: 115 x 74 mm. | 3024085 |
| Motorized diverter valve<br>Diverter valve for DHW integration management. 230 V power supply. Temperature of the fluid +1°C/+95°C, maximum functioning differential pressure 4 bar.<br>3/4" male threaded connections.<br>Dimensions: 94 x 130 x 68 mm. | 3087085 |
| Motorized three-way valve<br>diverter motorized valve to use exclusively with Macc tank.<br>Suitable with heating and domestic hot water. Includes wires. | 3024076 |
| GAL EVO motorized diverter valve | 3024177 |
| Fresh water station<br>DHW production module. Minimum flow rate 2,5 l/min.<br>Maximum DHW flow rate 32 l/min. Adjustable temperature from 36 to 65 °C. Dimensions 700x400x295 mm | 3024152 |
| Forced circulation sensor kit<br>Compatible with digital solar pump assembly and Sensys. Contains:<br>- solar indirect cylinder sensor<br>- collector sensor | 3318485 |
| Collector sun sensor<br>Compatible with digital solar pump assembly and Sensys. Contains:<br>- collector sensor | 3318564 |





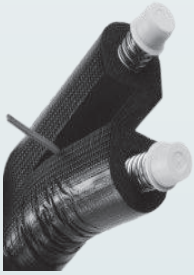

| Hydraulic devices and accessories | Code |
|---|---|
| Recirculation kit FWS | 3024161 |
| Hydraulic kit COMBI | 3024174 |
| Heating return sensor S4 | 3024175 |
| EXPANSION TANKS SOLAR | |
| Expansion sola vesselr / healthcare 16 lt for Macc | 3024183 |
| Solar expansion vessel 18 lt | 3024318 |
| Solar expansion vessel 25 lt | 3024319 |
| Solar expansion vessel 35 lt | 3024320 |
| Solar expansion vessel 50 lt | 3024321 |
| Solar expansion vessel 80 lt | 3024322 |
| Solar expansion vessel 150 lt | 3024323 |
| Solar expansion vessel 200 lt | 3024324 |
| **Generic solar plate heat exchanger 16kW**<br>**Generic solar plate heat exchanger 32kW**<br>**Generic solar plate heat exchanger 48kW**<br>Heat exchanger steel plate brazed, suitable for use with hot water and heating.<br>5 bar operating pressure, maximum operating temperature 60/45 ° C respectively with exchange surfaces (m2) * / number plates / volumetric flow permissible (l / h) of 0.4 / 18/720; 0.8 / 34/1440; 1.2 / 48/2500 | 3024036<br>3024037<br>3024038 |
| **Solar heat exchanger for swimming pools 20kW**<br>**Solar heat exchanger for swimming pools 40kW**<br>**Solar heat exchanger for swimming pools 70kW**<br>* Shell and tube heat exchanger in titanium, suitable for heating swimming pool water.<br>Operating pressure 2 bar. operating ranges (m3) primary / secondary respectively of 0.9 / 10; 1.7 / 15; 3/20. | 3024039<br>3024040<br>3024041 |





# Solar Accessories

| Hydraulics devices and accessories | Code |
|---|---|
| **Adaptation kit hydraulic manifold side**<br>It contains hydraulic fitting elements for smooth copper pipe from 16 to 18 and 22 mm and for connection with flat 3/4 “. | 3024070 |
| **Adaptation kit hydraulic pump unit side**<br>It contains hydraulic fitting elements for smooth copper pipe from 16 to 18 and 22 mm and for connection with flat 3/4 “. | 3024071 |
| **Steel roof passage pipes**<br>It contains two flexible stainless steel tubes from 22 mm insulated 1m long. Connections for smooth copper pipe from 16 to 18 and 22 mm. | 3087014 |
| **Pre-insulated pipes twins**<br>Kit containing 10 m of corrugated stainless steel tube twin 16 mm in diameter and insulated. Collector sensor cable is built. A kit of brass fitting for connection collectors and the pumping station. | 3024069 |
| T-shaped fittings for XP | 3024096 |
| Safety hydraulic group 3/4 “ | 877085 |
| Siphon 1” | 877086 |



| Tools for filling and maintenance of the solar system | Code | |
|---|---|---|
| Pure antifreeze liquid (5 lt)<br>Propylene glycol non-toxic, odorless and hygroscopic. Corrosion inhibitors contained in the propylene glycol protect the metals normally used in solar installations. Miscible with water in all proportions between 25% and 75%. | 800215 |  |
| Manual charge pump antifreeze<br>Piston pumps brass for connection to the solar plant during the phase filling and pressurizing. | 800235 |  |
| GROUP OF FILLING THE SOLAR POWERED<br>Filling of the solar powered device that reduces up to 80% faster start-up of the system. Compact and transportable an indispensable tool for those who frequently install solar systems. Prevalence 40 m, tank capacity 20 liters. Dimensions 390 x 430 x 600 mm | 3024091 |  |
| Mounting template THERMO HF 150-1 and 200-1 on the ground | 3024194 | |
| Carrying handles kettles THERMO HF | 3024198 |  |

ARISTON

# CYLINDERS

# CYLINDERS

| | BCH | | | BC1S 7B | | | BC2S 7B | | |
|---|---|---|---|---|---|---|---|---|---|
| | 80 | 120 | 160 | 200 | 300 | 450 | 200 | 300 | 450 |
| ENELGY CLASS | C | C | B | B | B | B | B | B | B |
| INSTALLATION | FLOOR/WALL | | | FLOOR | | | FLOOR | | |
| BOILER COMPATIBLE | yes | | | yes | | | yes | | |
| SOLAR COMPATIBLE | yes | | | yes | | | yes | | |
| 1st COIL SURFACE ($m^2$) | 0,5 | 0,7 | 0,7 | 0,8 | 1,3 | 2 | 0,5 | 0,8 | 1 |
| 2nd COIL SURFACE ($m^2$) | - | | | - | | | 0,8 | 1 ,3 | 2 |
| TITANIUM ENAMELLED | yes | | | yes | | | yes | | |
| ANTI-CORROSION PROTECTION | yes | | | yes | | | yes | | |
| STANDARD ELECTRIC RESISTANCE | - | | | - | | | - | | |
| OPTIONAL ELECTRIC RESISTANCE | yes | | | yes | | | yes | | |
| RECIRCULATION | yes | | | yes | | | yes | | |
| PAGE | 67 | | | 68 | | | 69 | | |

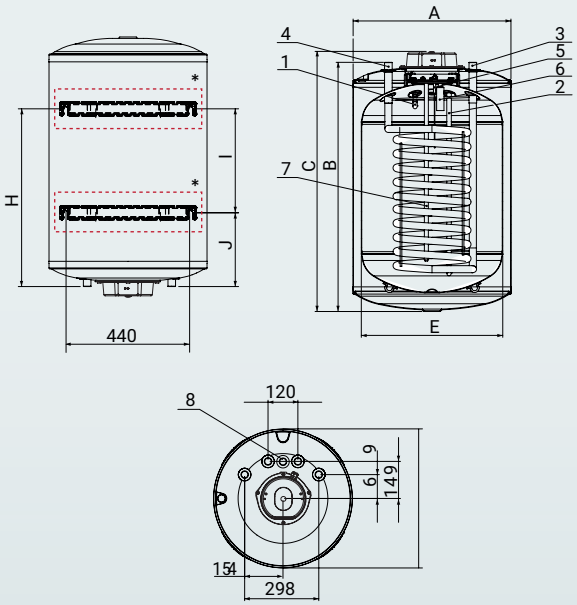
| EP1 | | | | EP2 | | | | EPZ | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 3000 | 4000 | 5000 | 7000 | 3000 | 4000 | 5000 | 7000 | 3000 | 4000 | 5000 | 7000 |
| - | - | - | - | - | - | - | - | - | - | - | - |
| FLOOR | | | | FLOOR | | | | FLOOR | | | |
| yes | | | | yes | | | | yes | | | |
| yes | | | | yes | | | | yes | | | |
| 5,4 | 5,4 | 5,4 | 7,8 | 5,4 | 5,4 | 5,4 | 7,8 | - | | | |
| 5,4 | 5,4 | 5,4 | 7,8 | 5,4 | 5,4 | 5,4 | 7,8 | - | | | |
| yes | | | | yes | | | | yes | | | |
| - | | | | - | | | | - | | | |
| - | | | | - | | | | - | | | |
| yes | | | | yes | | | | yes | | | |
| yes | | | | yes | | | | yes | | | |
| 77 | | | | 79 | | | | 81 | | | |

# BCH

MADE IN EUROPE | ANTI-CORROSION | SOLAR INTEGRATION

## Single coil multiposition vertical cylinder

- / Titanium enamelled steel boiler
- / Double electronic anti-corrosion anode in magnesium
- / Recirculation
- / It can be floor and wall mounted even inverted
- / Integrated sensor slot sheath
- / Electrical heating element kit available
- / Wall mounting bracket kit available
- / Can be integrated with the forced circulation solar heating system, electric heating element and boiler




1. Cold water inlet or hot water outlet 3/4"M
2. Hot water outlet or cold water inlet 3/4"M
3. Coil return or flow 3/4"M
4. Coil flow or return 3/4"M
5. Pro Tech Anode
6. Magnesium anode
7. Temperature sensor
8. Recirculation 3/4"M (excluding 80 l)

* wall bracket available as accessory

| TECHNICAL DATA | | 80 | 120 | 160 | 200 |
|---|---|---|---|---|---|
| Capacity | l | 76 | 124 | 157 | 195 |
| Maximum temperature | °C | 90 | 90 | 90 | 90 |
| Thermal loss (EN 60379) | kWh/24h | 1,27 | 1,51 | 1,35 | 1,84 |
| Maximum operating pressure | bar | 7 | 7 | 7 | 7 |
| Coil surface | $m^2$ | 0,5 | 0,5 | 0,7 | 1 |
| Exchanger ouput | kW | 10,3 | 13,9 | 15,5 | 21 |
| Pressure loss through coil | mbar | 16 | 16 | 33 | 41 |
| Net Weight | kg | 34 | 44 | 52 | 62 |
| **DIMENSIONS** | | | | | |
| A | mm | 560 | 560 | 560 | 560 |
| B | mm | 670 | 880 | 1312 | 1558 |
| C | mm | 700 | 910 | 1345 | 1590 |
| D | mm | 535 | 745 | 1183 | 1428 |
| H | mm | 417 | 627 | 1050 | 1296 |
| I | mm | 155 | 365 | 600 | 800 |
| J | mm | 262 | 262 | 450 | 496 |
| M | mm | 572 | 572 | 572 | 572 |

| BCH | 80 | 120 | 160 | 200 |
|---|---|---|---|---|
| ErP Energy class | C | C | B | C |
| CODE | 3092010 | 3092011 | 3092012 | 3092013 |

*with reference to wall mounting

For the whole accessory list see page 83

# BC1S 7B

NEW

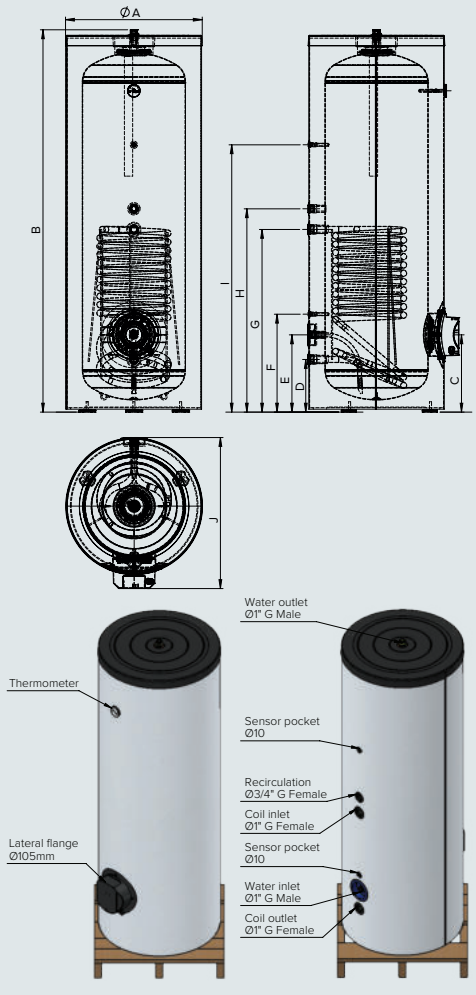
MADE IN EUROPE | SOLAR INTEGRATION | EASY INSPECTION

FRONT REAR

## Floor-standing indirect cylinder with mono-coil

/ Tank protection with exclusive titanium-based enamel treatment at 850°C
/ Single-coil, suitable for solar or fossil sources
/ Equipped for recirculation
/ 105 mm front inspection flange
/ Magnesium anode
/ Adjustable support feet
/ 2 kW electrical integration kit or 6 kW (450 L) available on request
/ Two sensor pockets
/ Thermometer included
/ PVC soft jacket included

CE




| 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 - Diameter | mm | 656 | 656 | 751 |
| B - Height / Water outlet Ø1" G Male | mm | 1331 | 1853 | 1978 |
| C - Lateral flange Ø105mm | mm | 374 | 374 | 374 |
| D - Coil outlet Ø1" G Female | mm | 255 | 255 | 255 |
| E - Water inlet Ø1" G Male | mm | 374 | 374 | 374 |
| F - Sensor pocket Ø10mm | mm | 474 | 474 | 474 |
| G - Coil inlet Ø1" G Female | mm | 685 | 885 | 1045 |
| H - Recirculation Ø3/4" G Female | mm | 785 | 985 | 1145 |
| I - Sensor pocket Ø10mm | mm | 905 | 1295 | 1435 |
| J - Width including flange plastic cover | mm | 730 | 730 | 825 |

| BC1S 7B | 200 | 300 | 450 |
|---|---|---|---|
| ErP Energy class | B | B | B |
| CODE | 3070608 | 3070609 | 3070610 |

# BC2S 7B

NEW

MADE IN EUROPE

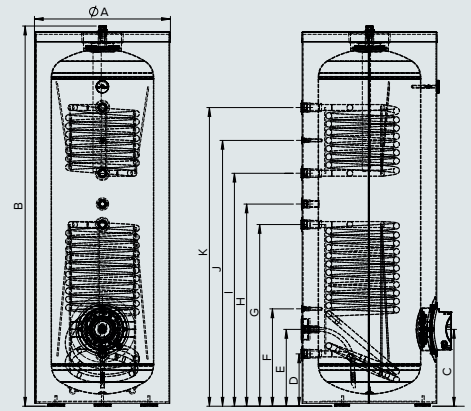
SOLAR INTEGRATION

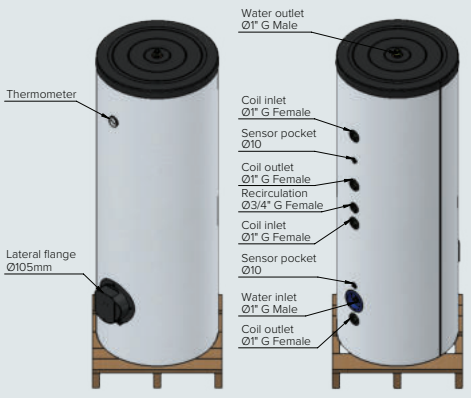
EASY INSPECTION

## Floor-standing indirect cylinder with double coil

FRONT REAR

- / Tank protection with exclusive titanium-based enamel treatment at 850°C
- / Double coil suitable to couple solar and fossil sources
- / Equipped for recirculation
- / 105 mm front inspection flange
- / Magnesium anode
- / Adjustable support feet
- / 2 kW electrical integration kit or 6 kW (450 L) available on request
- / Two sensor pockets
- / Thermometer included
- / PVC soft jacket included




| TECHNICAL DATA | | BC2S 200 | BC2S 300 | BC2S 450 |
|---|---|---|---|---|
| **UPPER COIL** | | | | |
| Coil capacity | l | 3,2 | 6 | 7,5 |
| Coil surface | m2 | 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 | m2 | 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 - Diameter | mm | 656 | 656 | 751 |
| B - Height / Water outlet Ø1" G Male | mm | 1331 | 1853 | 1978 |
| C - Lateral flange Ø105mm | mm | 374 | 374 | 374 |
| D - Coil outlet Ø1" G Female | mm | 255 | 255 | 255 |
| E - Water inlet Ø1" G Male | mm | 374 | 374 | 374 |
| F - Sensor pocket Ø10mm | mm | 474 | 474 | 474 |
| G - Coil inlet Ø1" G Female | mm | 605 | 885 | 1045 |
| H - Recirculation Ø3/4" G Female | mm | 705 | 985 | 1145 |
| I - Coil outlet Ø1" G Female | mm | 805 | 1135 | 1295 |
| J - Sensor pocket Ø10mm | mm | 905 | 1295 | 1435 |
| K - Coil inlet Ø1" G Female | mm | 1005 | 1455 | 1575 |
| L - Width including flange plastic cover | mm | 730 | 730 | 825 |

| BC2S 7B | 200 | 300 | 450 |
|---|---|---|---|
| ErP Energy class | B | B | B |
| CODE | 3070616 | 3070617 | 3070618 |

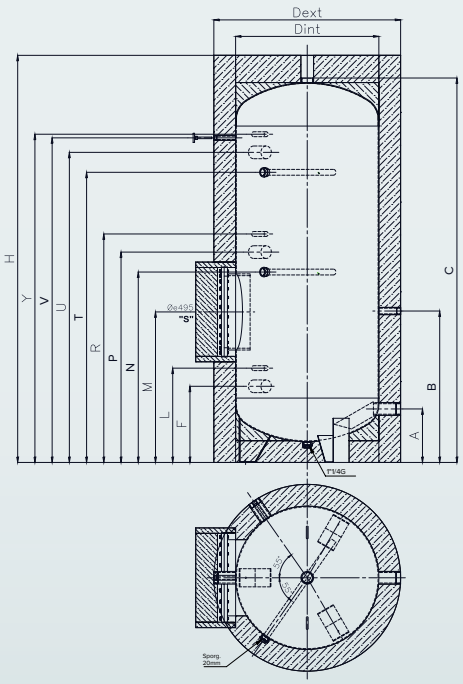
# Maxis CDZ

MADE IN ITALY

EASY INSPECTION

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

- / 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 |
| **OVERALL 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 |

| MAXIS CDZ | 800 | 1000 | 1500 | 2000 | 2500 | 3000 |
|---|---|---|---|---|---|---|
| ErP Energy class | C | C | C | C | - | - |
| CODE | 3060684 | 3060685 | 3060612 | 3060613 | 3060614 | 3060615 |

For the whole accessory list see page 83

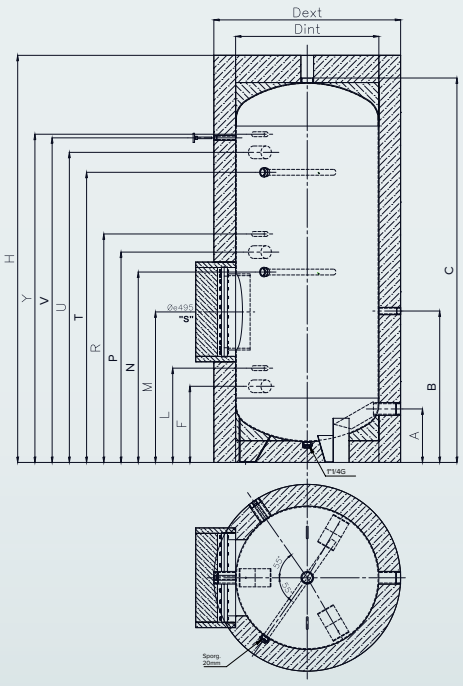
# Maxis CDZ F

MADE IN ITALY

EASY INSPECTION

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

- / 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 600F | MAXIS CDZ 800F | MAXIS CDZ 1000F | MAXIS CDZ 1500F | MAXIS CDZ 2000F | MAXIS CDZ 2500F | MAXIS CDZ 3000F |
|---|---|---|---|---|---|---|---|---|
| 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 | |

| OVERALL DIMENSIONS | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| A | mm | 250 | 295 | 230 | 290 | 370 | 270 | 270 |
| B | mm | 790 | 835 | 770 | 760 | 850 | 800 | 900 |
| C | mm | 2030 | 1870 | 2035 | 1875 | 2035 | 2005 | 2295 |
| F | mm | 375 | 420 | 355 | 415 | 505 | 405 | 405 |
| H | mm | 2155 | 1995 | 2160 | 2000 | 2160 | 2130 | 2420 |
| L | mm | 475 | 520 | 455 | 515 | 605 | 505 | 505 |
| M | mm | 555 | 600 | 535 | 595 | 685 | 585 | 585 |
| N | mm | _ | _ | 700 | 750 | 830 | 750 | 750 |
| P | mm | 1115 | 965 | 1095 | 905 | 1060 | 960 | 1110 |
| R | mm | 1215 | 1065 | 1195 | 1005 | 1160 | 1060 | 1210 |
| T | mm | 1375 | 1265 | 1535 | 1305 | 1400 | 1450 | 1750 |
| U | mm | 1665 | 1460 | 1625 | 1405 | 1475 | 1545 | 1835 |
| V | mm | 1745 | 1540 | 1705 | 1490 | 1565 | 1635 | 1925 |
| Y | mm | 1765 | 1560 | 1725 | 1505 | 1575 | 1645 | 1935 |
| D int | mm | 650 | 790 | 790 | 1100 | 1200 | 1350 | 1350 |
| D ext | mm | 890 | 1030 | 1030 | 1340 | 1440 | 1590 | 1590 |

| MAXIS CDZ | | | | | | | |
|---|---|---|---|---|---|---|---|
| ErP Energy class | C | C | C | C | - | - | |
| CODE | 3060684 | 3060685 | 3060612 | 3060613 | 3060614 | 3060615 | |

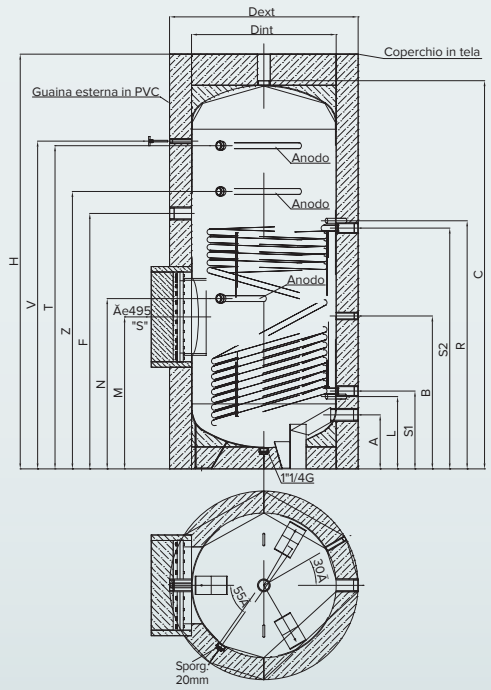
For the whole accessory list see page 83

# 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

- / 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




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 | MAXIS CD1 1500 | MAXIS CD1 2000 | MAXIS CD1 2500 | MAXIS CD1 3000 |
|---|---|---|---|---|---|---|---|
| Standing loss | *W* | 125 | 133 | 162 | 182 | 196 | 211 |
| Storage volume | *l* | 757 | 862 | 1456 | 1897 | 2422 | 2832 |
| Max water temp. | *°C* | 95 | 95 | 95 | 95 | 95 | 95 |
| Bottom coil surface | *m²* | 2,5 | 3 | 4,5 | 5,4 | 6 | 6 |
| Coil capacity | *l* | 15 | 18,6 | 27,6 | 33,6 | 37,6 | 37,6 |
| Bottom coil rating | *kW* | 39,6 | 45,1 | 76,2 | 99,3 | 126,7 | 148,2 |
| Coil pressure drop | *mbar* | 15,2 | 18,9 | 27,9 | 34 | 38,2 | 38,2 |
| Coils working pressure | *(bar)* | 1 (10) | 1 (10) | 1 (10) | 1 (10) | 1 (10) | 1 (10) |
| Max working pressure/ | *(bar)* | 0,8 (8) | 0,8 (8) | 0,8 (8) | 0,8 (8) | 0,8 (8) | 0,8 (8) |
| Tank weight | *Kg* | 259 | 292 | 402 | 498 | 600 | 652 |
| **OVERALL DIMENSIONS** | | | | | | | |
| A | mm | 295 | 290 | 350 | 430 | 330 | 330 |
| B | mm | 735 | 830 | 820 | 910 | 860 | 960 |
| C | mm | 1870 | 2095 | 1935 | 2095 | 2065 | 2355 |
| F | mm | 1000 | 1130 | 1185 | 1310 | 1225 | 1225 |
| H | mm | 1995 | 2220 | 2060 | 2220 | 2190 | 2480 |
| L | mm | 420 | 390 | 450 | 535 | 440 | 440 |
| M | mm | 475 | 490 | 585 | 685 | 595 | 595 |
| N | mm | 475 | 490 | 585 | 685 | 595 | 595 |
| R | mm | 940 | 1065 | 1150 | 1280 | 1185 | 1185 |
| T | mm | 1500 | 1760 | 1510 | 1625 | 1695 | 1960 |
| V | mm | 1540 | 1765 | 1575 | 1645 | 1695 | 1985 |
| Z | mm | – | – | – | – | 1340 | 1340 |
| S1 | mm | 450 | 420 | 480 | 565 | 470 | 470 |
| S2 | mm | 900 | 1025 | 1110 | 1240 | 1145 | 1145 |
| D int | mm | 790 | 790 | 1100 | 1200 | 1350 | 1350 |
| D ext | mm | 1030 | 1030 | 1340 | 1440 | 1590 | 1590 |

| MAXIS CD1 | MAXIS CD1 800 | MAXIS CD1 1000 | MAXIS CD1 1500 | MAXIS CD1 2000 | MAXIS CD1 2500 | MAXIS CD1 3000 |
|---|---|---|---|---|---|---|
| ErP Energy class | C | C | C | C | - | - |
| CODE | | | | | | |

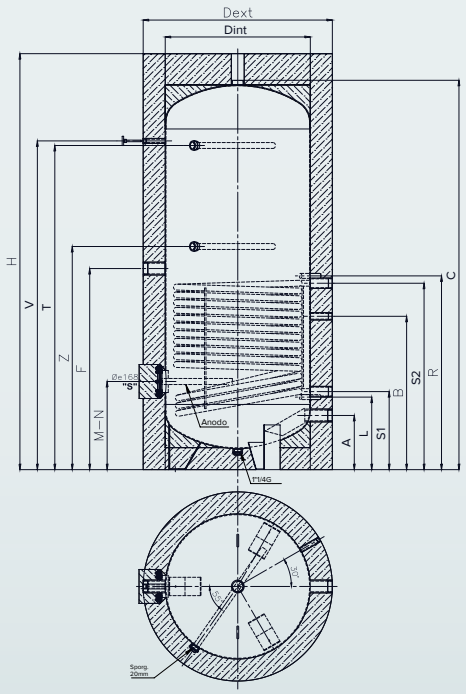
For the whole accessory list see page 83

# 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

- / 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




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 600F | MAXIS CD1 800F | MAXIS CD1 1000F | MAXIS CD1 1500F | MAXIS CD1 2000F | MAXIS CD1 2500F | MAXIS CD1 3000F |
|---|---|---|---|---|---|---|---|---|
| Standing loss | *W* | 88 | 97 | 110 | 137 | 161 | 177 | 187 |
| Storage volume | *l* | 561 | 757 | 862 | 1456 | 1897 | 2422 | 2832 |
| Max water temp. | *°C* | 95 | 95 | 95 | 95 | 95 | 95 | 95 |
| Bottom coil surface | *$m^2$* | 2,4 | 2,5 | 3 | 4,5 | 5,4 | 6 | 6 |
| Coil capacity | *l* | 15 | 15 | 18,6 | 27,6 | 33,6 | 37,6 | 37,6 |
| Bottom coil rating | *kW* | 3,4 | 34,8 | 41,8 | 62,6 | 75,6 | 84,0 | 84,0 |
| Coil pressure drop | *mbar* | 15,1 | 15,2 | 18,9 | 27,9 | 34 | 38,2 | 38,2 |
| Coils working pressure | *(bar)* | 1 (10) | 1 (10) | 1 (10) | 1 (10) | 1 (10) | 1 (10) | 1 (10) |
| Max working pressure/ | *(bar)* | 0,8 (8) | 0,8 (8) | 0,8 (8) | 0,8 (8) | 0,8 (8) | 0,8 (8) | 0,8 (8) |
| Tank weight | *Kg* | 170 | 218 | 251 | 361 | 457 | 559 | 611 |
| **OVERALL DIMENSIONS** | | | | | | | | |
| **A** | mm | 250 | 295 | 290 | 350 | 430 | 330 | 330 |
| **B** | mm | 790 | 735 | 830 | 820 | 910 | 860 | 960 |
| **C** | mm | 2030 | 1870 | 2095 | 1935 | 2095 | 2065 | 2355 |
| **F** | mm | 1160 | 1000 | 1130 | 1185 | 1310 | 1225 | 1225 |
| **H** | mm | 2155 | 1995 | 2220 | 2060 | 2220 | 2190 | 2480 |
| **L** | mm | 390 | 420 | 390 | 450 | 535 | 440 | 440 |
| **M** | mm | 460 | 475 | 490 | 585 | 685 | 595 | 595 |
| **N** | mm | 460 | 475 | 490 | 585 | 685 | 595 | 595 |
| **R** | mm | 1100 | 940 | 1065 | 1150 | 1280 | 1185 | 1185 |
| **T** | mm | 1375 | 1500 | 1760 | 1510 | 1625 | 1695 | 1960 |
| **V** | mm | 1745 | 1540 | 1765 | 1575 | 1645 | 1695 | 1985 |
| **Z** | mm | – | – | – | – | – | 1340 | 1340 |
| **S1** | mm | 420 | 450 | 420 | 480 | 565 | 470 | 470 |
| **S2** | mm | 1060 | 900 | 1025 | 1110 | 1240 | 1145 | 1145 |
| **Dint** | mm | 650 | 790 | 790 | 1100 | 1200 | 1350 | 1350 |
| **Dext** | mm | 890 | 1030 | 1030 | 1340 | 1440 | 1590 | 1590 |

| MAXIS CD1 | | MAXIS CD1 600F | MAXIS CD1 800F | MAXIS CD1 1000F | MAXIS CD1 1500F | MAXIS CD1 2000F | MAXIS CD1 2500F | MAXIS CD1 3000F |
|---|---|---|---|---|---|---|---|---|
| ErP | Energy class | B | B | C | C | C | - | - |
| CODE | | | | | | | | |

For the whole accessory list see page 83

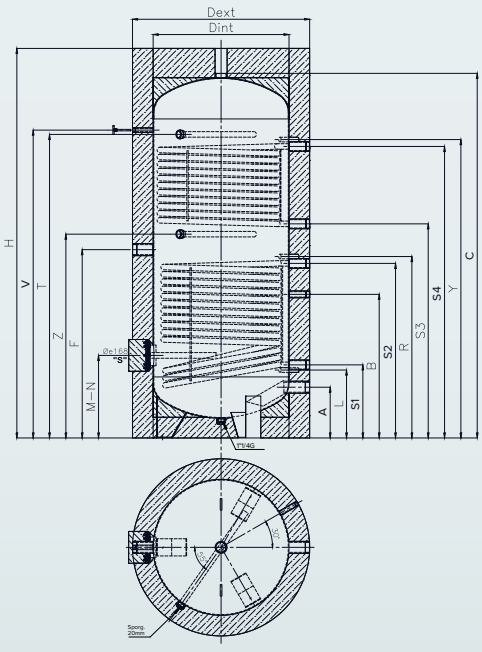
# Maxis CD2 F

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

- / 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

**PRESTAZIONI IN POMPA DI CALORE - RAFFRESCAMENTO [3]**




| | 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 600F | MAXIS CD2 800F | MAXIS CD2 1000F | MAXIS CD2 1500F | MAXIS CD2 2000F | MAXIS CD2 2500F | MAXIS CD2 3000F |
|---|---|---|---|---|---|---|---|---|
| Standing loss | W | 88 | 97 | 111 | 139 | 163 | 189 | 198 |
| Storage volume | l | 548 | 738 | 848 | 1440 | 1884 | 2395 | 2805 |
| Max water temp | °C | 95 | 95 | 95 | 95 | 95 | 95 | 95 |
| Solar coil surface | m2 | 2,4 | 2,4 | 2,5 | 4,2 | 4,5 | 6 | 6 |
| Solar coil capacity | l | 15,5 | 14,9 | 14,9 | 25,1 | 27,3 | 37,6 | 37,6 |
| Solar coil rating | kW | 33,4 | 34,8 | 41,8 | 2,6 | 75,6 | 84 | 84 |
| Solar coil pressure-drop | mbar | 15,7 | 15,1 | 15,1 | 25,7 | 27,6 | 38,2 | 38,2 |
| Upper coil surface | m2 | 1,9 | 2,4 | 2,5 | 2,5 | 3 | 3,5 | 3,5 |
| Upper coil capacity | l | 10,3 | 14,9 | 14,9 | 15,5 | 16,8 | 21,2 | 21,2 |
| Upper coil rating | kW | 26,4 | 33,4 | 34,8 | 34,8 | 41,8 | 48,7 | 48,7 |
| Upper coil pressure | mbar | 10,6 | 15,1 | 15,7 | 15,7 | 17 | 21,5 | 21,5 |
| Coils working pressure | MPa(bar) | 1 (10) | 1 (10) | 1 (10) | 1 (10) | 1 (10) | 1 (10) | 1 (10) |
| Max Max fluid temp. coil | °C | 110 | 110 | 110 | 110 | 110 | 110 | 110 |
| Max working pressure | MPa(bar) | 0,8 (8) | 0,8 (8) | 0,8 (8) | 0,8 (8) | 0,8 (8) | 0,8 (8) | 0,8 (8) |
| Tank weight | Kg | 200 | 251 | 276 | 391 | 483 | 608 | 661 |
| **OVERALL DIMENSIONS** | | | | | | | | |
| A | mm | 250 | 295 | 290 | 350 | 430 | 330 | 330 |
| B | mm | 790 | 735 | 830 | 820 | 910 | 860 | 960 |
| C | mm | 2030 | 1870 | 2095 | 1935 | 2095 | 2065 | 2355 |
| F | mm | 1160 | 1000 | 1130 | 1185 | 1310 | 1225 | 1225 |
| H | mm | 2155 | 1995 | 2220 | 2060 | 2220 | 2190 | 2480 |
| L | mm | 390 | 420 | 390 | 450 | 535 | 440 | 440 |
| M | mm | 460 | 475 | 490 | 585 | 685 | 595 | 595 |
| N | mm | 460 | 475 | 490 | 585 | 685 | 595 | 595 |
| R | mm | 1100 | 940 | 1065 | 1150 | 1280 | 1185 | 1185 |
| T | mm | 1375 | 1500 | 1760 | 1510 | 1625 | 1695 | 1960 |
| V | mm | 1745 | 1540 | 1765 | 1575 | 1645 | 1695 | 1985 |
| Z | mm | – | – | – | – | – | 1340 | 1340 |
| S1 | mm | 420 | 450 | 420 | 480 | 565 | 470 | 470 |
| S2 | mm | 1060 | 900 | 1025 | 1110 | 1240 | 1145 | 1145 |
| S3 | mm | 1260 | 1025 | 1150 | 1200 | 1270 | 1295 | 1445 |
| S4 | mm | 1680 | 1475 | 1600 | 1535 | 1605 | 1675 | 1825 |
| D int | mm | 650 | 790 | 790 | 1100 | 1200 | 1350 | 1350 |
| D ext | mm | 890 | 1030 | 1030 | 1340 | 1440 | 1590 | 1590 |

| MAXIS CD1 | 600F | 800F | 1000F | 1500F | 2000F | 2500F | 3000F |
|---|---|---|---|---|---|---|---|
| ErP Energy class | B | B | C | C | C | - | - |
| CODE | 3060695 | 3060696 | 3060619 | 3060620 | | | 3060621 |

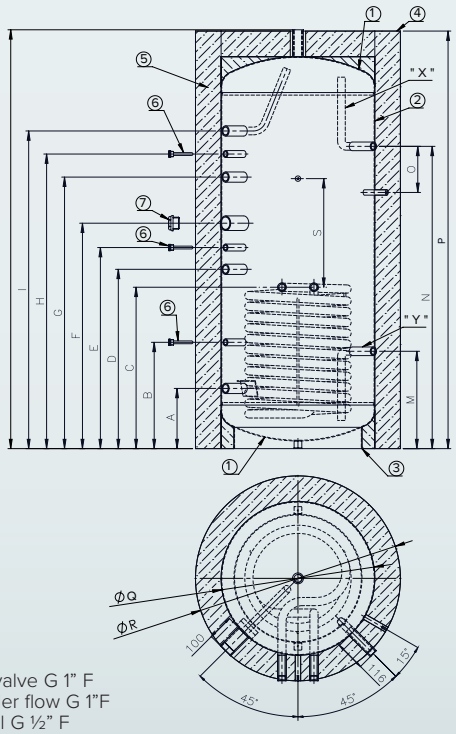
For the whole accessory list see page 83

# Maxis CK1

MADE IN ITALY

## Buffer cylinder for primary circuit water with coil

- / Black steel cylinder
- / Parallel connections for the solar coil, arrangement for easy connection to the digital solar pump group-internal pipes and arrangement for easy installation on dhw module
- / Possibility of integration with electrical resistance and connession for air release system
- / Designed for integration with Fresh Water Station and Solar Pump Group



1. Air valve G 1" F
2. Boiler flow G 1"F
3. Well G ½" F
4. Heating flow G 1"F
5. Heating element G 1 ½ " F
6. Well G ½" F
7. Return boiler G 1"F
8. Well G ½" F
9. Heating return G 1"F
10. M6 bolt for connection of digital solar pump group
11. Solar flow G ¾" F
12. Solar return G ¾" F
13. DHW production module return G ¾" F
14. M8 bolt for connection of DHW production group
15. DHW production module flow G ¾" F

| TECHNICAL DATA | | MAXIS CK1 400 | MAXIS CK1 600 | MAXIS CK1 800 | MAXIS CK1 1000 |
|---|---|---|---|---|---|
| Capacity | l | 374 | 559 | 724 | 830 |
| Maximum temperature | °C | 95 | 95 | 95 | 95 |
| Thermal loss (EN 60379) | kWh/24h | 1,7 | 2,2 | 2,6 | 2,6 |
| Maximum operating pressure | bar | 3 | 3 | 3 | 3 |
| Coil surface | $m^2$ | 1,5 | 2,1 | 2,8 | 3,4 |
| Exchanger ouput | kW | 21 | 25 | 32 | 32 |
| Pressure loss through coil | mbar | 15 | 19 | 27,9 | 34 |
| Net Weight | kg | 92 | 113 | 155 | 176 |
| **OVERALL DIMENSIONS** | | | | | |
| A | mm | 235 | 230 | 260 | 260 |
| B | mm | 415 | 405 | 500 | 500 |
| C | mm | 630 | 760 | 775 | 900 |
| D | mm | 700 | 815 | 855 | 980 |
| E | mm | 785 | 900 | 950 | 1075 |
| F | mm | 880 | 1000 | 1060 | 1185 |
| G | mm | 1060 | 1400 | 1315 | 1550 |
| H | mm | 1150 | 1550 | 1405 | 1640 |
| I | mm | 1240 | 1645 | 1495 | 1730 |
| L | mm | 1550 | 1865 | 1725 | 1975 |
| M | mm | 380 | 380 | 380 | 380 |
| N | mm | 1180 | 1180 | 1180 | 1180 |
| O | mm | 180 | 180 | 180 | 180 |
| P | mm | 1630 | 1945 | 1805 | 2055 |
| Q | mm | 800 | 850 | 990 | 990 |
| R | mm | 600 | 650 | 790 | 790 |

| MAXIS CK1 | 400 | 600 | 800 | 1000 |
|---|---|---|---|---|
| ErP Energy class | B | C | C | C |
| CODE | 3060460 | 3060461 | 3060462 | 3060463 |

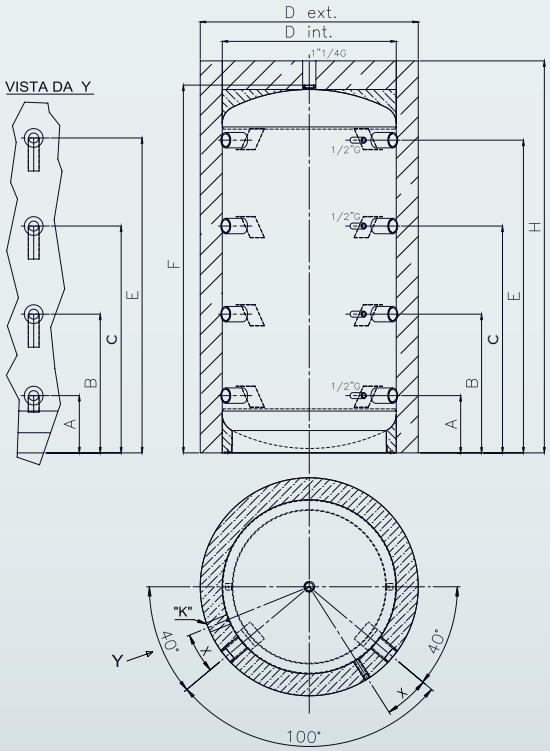
For the whole accessory list see page 83

# Maxis CKZ

MADE IN ITALY

## Buffer cylinder for primary circuit water, without coil

- / Black steel cylinder
- / 82” connections to manage high power and high capacity sources
- / Ideal to match with plate heat exchangers to storage primary circuit water from solar and other sources
- / Direct connection with the boiler thanks to 6 bar working pressure
- / 8 probe holders (4 immersed and 4 contact probe holders)




1. Primary ciurcuit connection G 2” F
2. Air release valve G 2” F
3. Probe well G ½ “

| TECHNICAL DATA | | MAXIS CKZ 1500 | MAXIS CKZ 2000 | MAXIS CKZ 2500 | MAXIS CKZ 3000 |
|---|---|---|---|---|---|
| Capacity | l | 1460 | 1953 | 2463 | 2929 |
| Max. working pressure | bar | 6 | 6 | 6 | 6 |
| Max. cylinder working temperature | °C | 95 | 95 | 95 | 95 |
| Thermal loss (EN 60379) | kWh/24h | 3,1 | 3,6 | 4,2 | 4,6 |
| Empty weight | kg | 194 | 259 | 333 | 381 |
| **OVERALL DIMENSIONS** | | | | | |
| A | mm | 370 | 385 | 435 | 445 |
| B | mm | 815 | 790 | 775 | 800 |
| C | mm | 1340 | 1195 | 1110 | 1155 |
| E | mm | 1735 | 1600 | 1450 | 1510 |
| F | mm | 2060 | 1975 | 1875 | 1945 |
| H | mm | 2185 | 2100 | 2000 | 2070 |
| D int | mm | 1000 | 1200 | 1400 | 1500 |
| D ext | mm | 1240 | 1440 | 1640 | 1740 |

| MAXIS CKZ | 1500 | 2000 | 2500 | 3000 |
|---|---|---|---|---|
| ErP Energy class | C | C | - | - |
| CODE | 3060622 | 3060623 | 3060624 | 3060625 |

For the whole accessory list see page 83

# EP1

MADE IN EU
MADE IN EUROPE

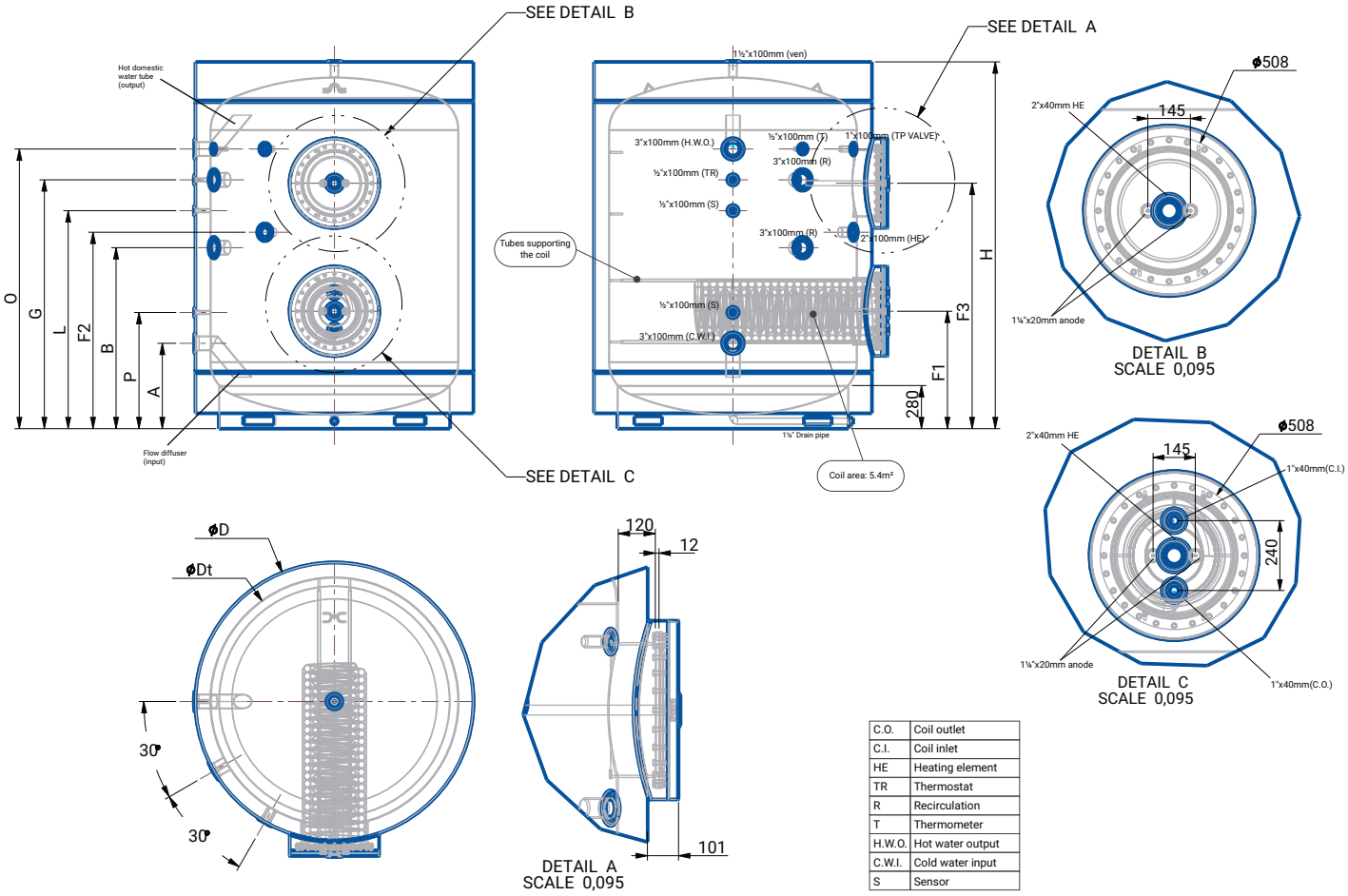
## Single coil floor-standing cylinder

/ Epoxy Enameled coating WRAS approved
/ Maximum design pressure of 10 bar, tested at 20 bar
/ Automatic metal welding
/ Removable internal coil
/ Magnesium anti-corrosion anode
/ Soft Polyurethane foam Insulation; 100mm thickness
/ External Jacket options:
  - ➤ *PVC for standard installation*
  - ➤ *METAL for outdoor installation to protect against weather conditions*
/ Drain connection
/ Recirculation connection
/ Inspection and maintenance flanges 508 mm
  - ➤ *2 for up to 5000 L*
  - ➤ *3 for 7000 L*
/ Optional heating element kits
  - ➤ *3, 12, 24, 36 kW*

| TECHNICAL DATA | | EP1 3000 | EP1 4000 | EP1 5000 | EP1 7000 |
|---|---|---|---|---|---|
| Actual Tank Capacity | l | 3457 | 3877 | 4887 | 7169 |
| Maximum design pressure | bar | 10 | 10 | 10 | 10 |
| Working pressure | bar | 8 | 8 | 8 | 8 |
| Maximum operating Temperature | °C | 85 | 85 | 85 | 85 |
| Thermal Losses [W] | W | 255 | 357 | 384 | 597 |
| Tank Weight (Including weight of coils) | kg | 790 | 1005 | 1095 | 1622 |
| Number of Coils | | 1 | 1 | 1 | 1 |
| Coil Weight | kg | 110 | 110 | 110 | 127 |
| Coil Capacity | l | 33 | 33 | 33 | 51,5 |
| Coil Surface Area | m2 | 5,4 | 5,4 | 5,4 | 7,8 |
| Coil Thermal Capacity | kW | 133 | 133 | 133 | 192 |
| Coil Pressure Drop at 1000 l/hr flow | kpa | 53 | 53 | 53 | 73 |
| Coil Pressure Rating | bar | 25 | 25 | 25 | 25 |
| Number of flange/ hole diameter/ External diameter | mm | 2/420/508 | 2/420/508 | 2/420/508 | 3/420/508 |
| Insulation | | | 100 mm removable soft Polyurethane foam | | |
| Inner tank | | | Epoxy Enamelled coating | | |
| External cover | | | Soft PVC / Metal sheet | | |
| **OVERALL DIMENSIONS** | | | | | |
| B | mm | 735 | 1174 | 1125 | 1219 |
| A | mm | 535 | 554 | 565 | 609 |
| O | mm | 1795 | 1814 | 2325 | 2659 |
| G | mm | 1595 | 1614 | 2125 | 2409 |
| P | mm | 735 | 754 | 765 | 859 |
| L | mm | 1395 | 1414 | 1545 | 2049 |
| F1 | mm | 744 | 762 | 825 | 804 |
| F2 | mm | 1235 | 1274 | 1280 | 1319 |
| F3 | mm | 1574 | 1592 | 1655 | 1634 |
| F4 | mm | - | - | - | 1319 |
| H | mm | 2330 | 2379 | 2890 | 3291 |
| D | mm | 1700 | 1800 | 1800 | 2000 |
| Dt | mm | 1500 | 1600 | 1600 | 1800 |

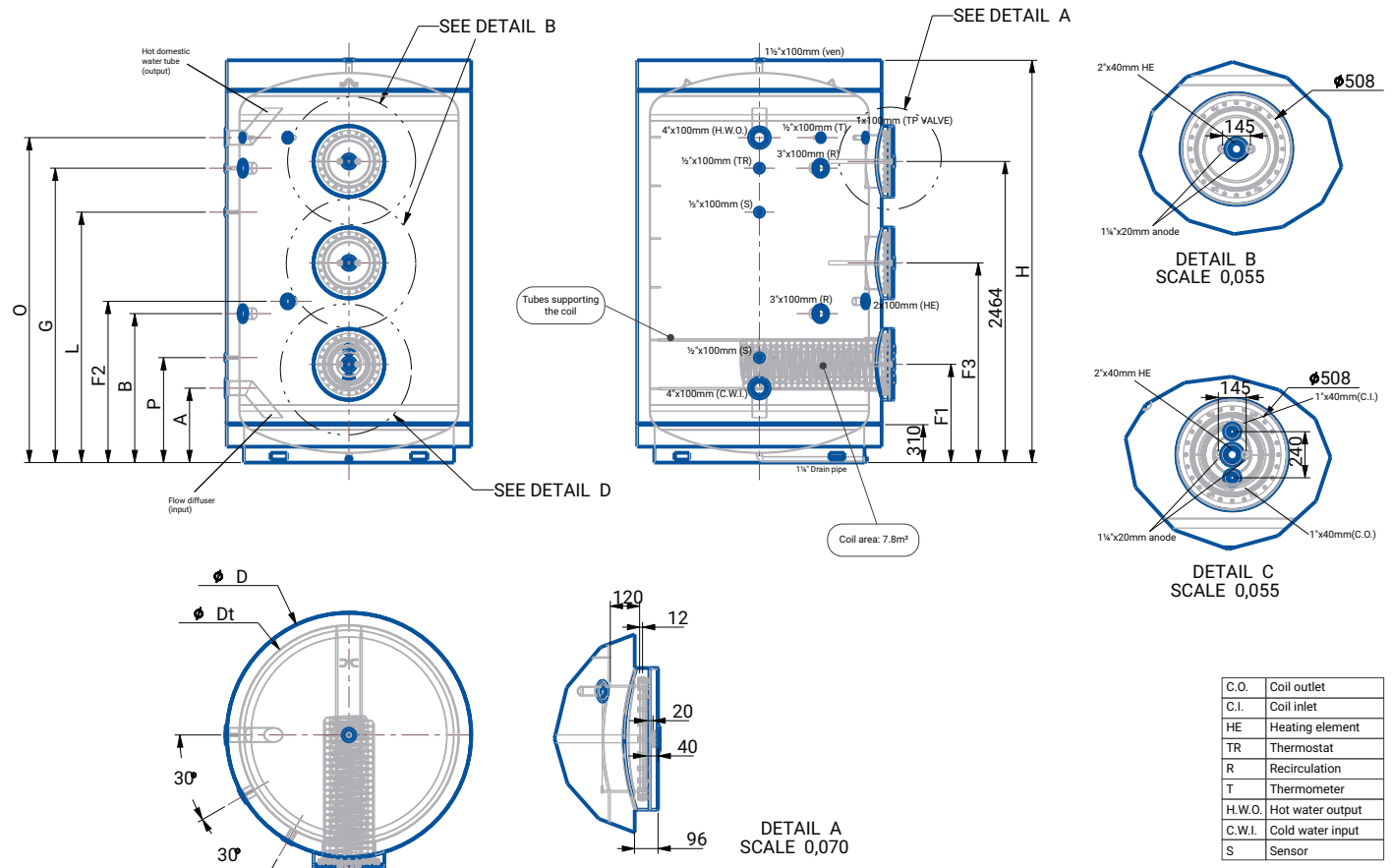
| EP1 | EP1 3000 | EP1 4000 | EP1 5000 | EP1 7000 |
|---|---|---|---|---|
| **CODE** | | | | |
| PVC | 3060716 | 3060722 | 3060740 | 3060745 |
| METAL | 3060717 | 3060723 | 3060741 | 3060748 |

# EP1 3000 - 5000




| | |
|---|---|
| C.O. | Coil outlet |
| C.I. | Coil inlet |
| HE | Heating element |
| TR | Thermostat |
| R | Recirculation |
| T | Thermometer |
| H.W.O. | Hot water output |
| C.W.I. | Cold water input |
| S | Sensor |

# EP1 7000




| | |
|---|---|
| C.O. | Coil outlet |
| C.I. | Coil inlet |
| HE | Heating element |
| TR | Thermostat |
| R | Recirculation |
| T | Thermometer |
| H.W.O. | Hot water output |
| C.W.I. | Cold water input |
| S | Sensor |

# EP2

MADE IN EUROPE

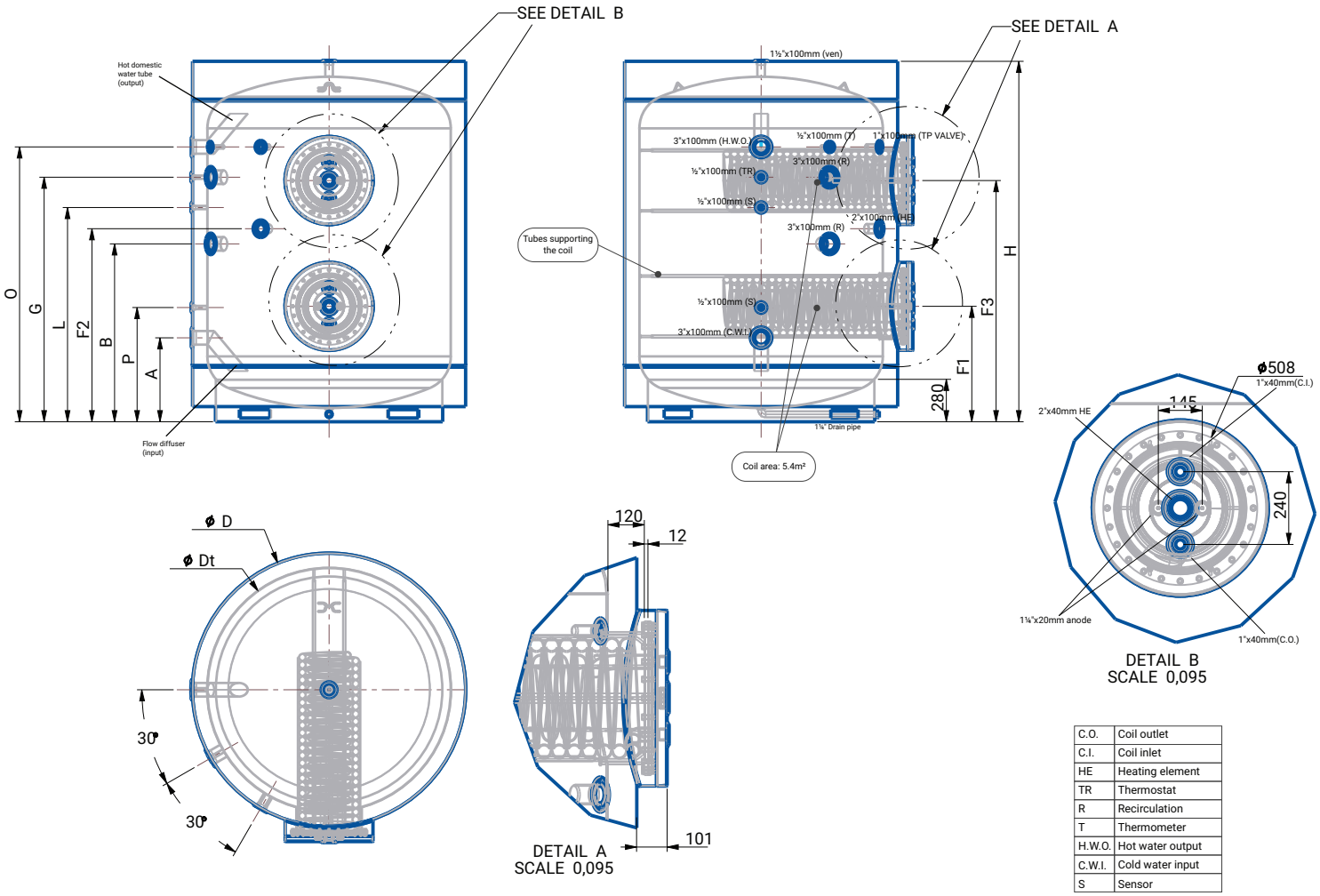
## Double coil floor-standing cylinder

/ Epoxy Enameled coating WRAS approved
/ Maximum design pressure of 10 bar, tested at 20 bar
/ Automatic metal welding
/ Removable internal coils
/ Magnesium anti-corrosion anode
/ Soft Polyurethane foam Insulation; 100mm thickness
/ External Jacket options:
  - ➤ *PVC for standard installation*
  - ➤ *METAL for outdoor installation to protect against weather conditions*
/ Drain connection
/ Recirculation connection
/ Inspection and maintenance flanges 508 mm
  - ➤ *2 for up to 5000 L*
  - ➤ *3 for 7000 L*
/ Optional heating element kits
  - ➤ *3, 12, 24, 36 kW*

| TECHNICAL DATA | | EP2 3000 | EP2 4000 | EP2 5000 | EP2 7000 |
|---|---|---|---|---|---|
| Actual Tank Capacity | l | 3424 | 3844 | 4854 | 7117 |
| Maximum design pressure | bar | 10 | 10 | 10 | 10 |
| Working pressure | bar | 8 | 8 | 8 | 8 |
| Maximum operating Temperature | °C | 85 | 85 | 85 | 85 |
| Thermal Losses [W] | W | 241 | 333 | 359 | 555 |
| Tank Weight (Including weight of coils) | kg | 900 | 1115 | 1205 | 1779 |
| Number of Coils | | 2 | 2 | 2 | 2 |
| Coil Weight | kg | 110 | 110 | 110 | 127 |
| Coil Capacity | l | 33 | 33 | 33 | 51,5 |
| Coil Surface Area | m2 | 5,4 | 5,4 | 5,4 | 7,8 |
| Coil Thermal Capacity | kW | 133 | 133 | 133 | 192 |
| Coil Pressure Drop at 1000 l/hr flow | kpa | 53 | 53 | 53 | 73 |
| Coil Pressure Rating | bar | 25 | 25 | 25 | 25 |
| Number of flange/ hole diameter /External diameter | mm | 2/420/508 | 2/420/508 | 2/420/508 | 3/420/508 |
| Insulation | | | 100 mm removable soft Polyurethane foam | | |
| Inner tank | | | Epoxy Enamelled coating | | |
| External cover | | | Soft PVC / Metal sheet | | |
| **OVERALL DIMENSIONS** | | | | | |
| B | mm | 735 | 1174 | 1125 | 1219 |
| A | mm | 535 | 554 | 565 | 609 |
| O | mm | 1795 | 1814 | 2325 | 2659 |
| G | mm | 1595 | 1614 | 2125 | 2409 |
| P | mm | 735 | 754 | 765 | 859 |
| L | mm | 1395 | 1414 | 1545 | 2049 |
| F1 | mm | 744 | 762 | 825 | 804 |
| F2 | mm | 1235 | 1274 | 1280 | 1319 |
| F3 | mm | 1574 | 1592 | 1655 | 1634 |
| F4 | mm | - | - | - | 1319 |
| H | mm | 2330 | 2379 | 2890 | 3291 |
| D | mm | 1700 | 1800 | 1800 | 2000 |
| Dt | mm | 1500 | 1600 | 1600 | 1800 |

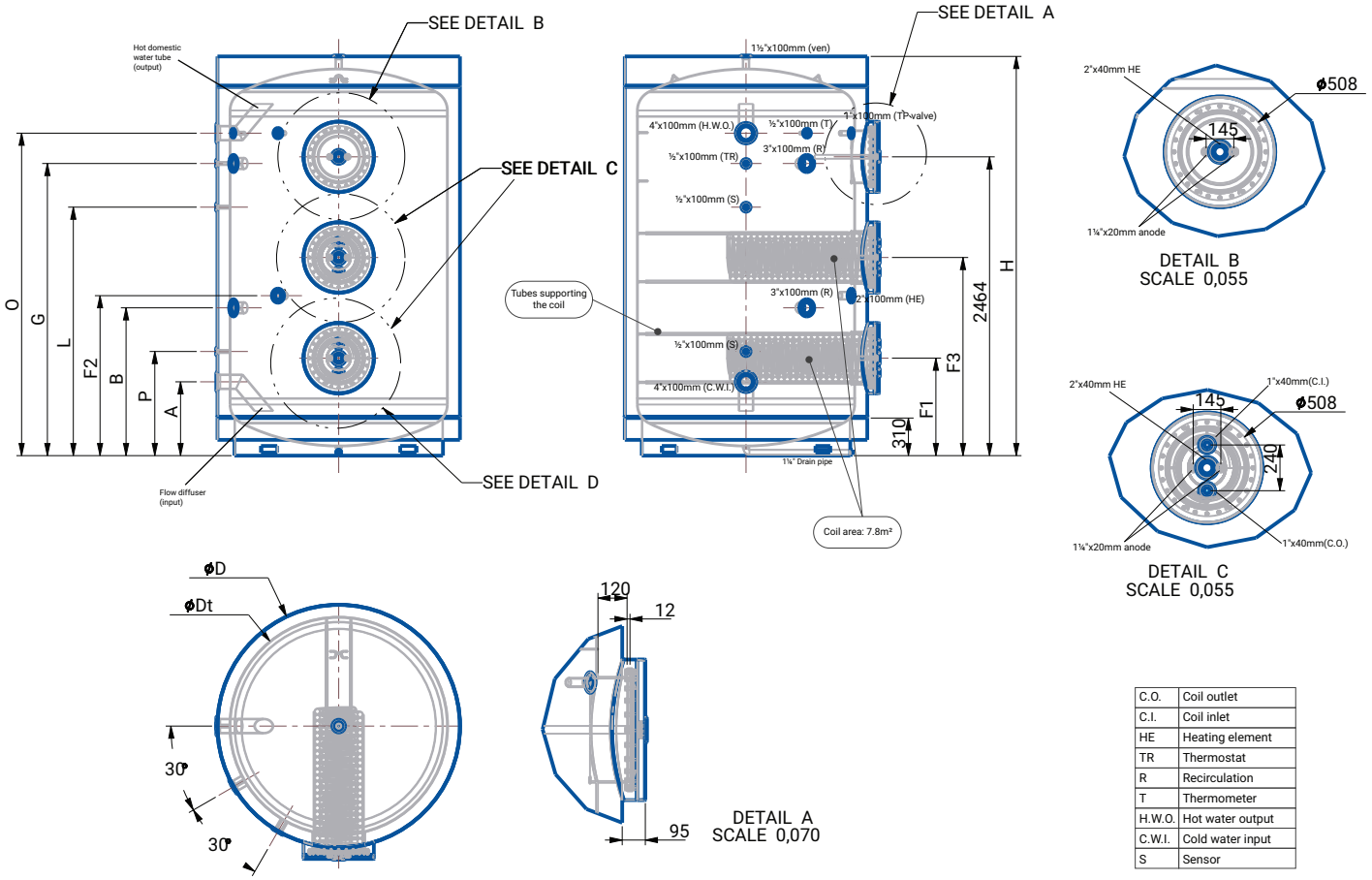
| EP2 | EP2 3000 | EP2 4000 | EP2 5000 | EP2 7000 |
|---|---|---|---|---|
| **CODE** | | | | |
| PVC | 3060718 | 3060724 | 3060742 | 3060746 |
| METAL | 3060719 | 3060725 | 3060743 | 3060749 |

# EP2 3000 - 5000




| | |
|---|---|
| C.O. | Coil outlet |
| C.I. | Coil inlet |
| HE | Heating element |
| TR | Thermostat |
| R | Recirculation |
| T | Thermometer |
| H.W.O. | Hot water output |
| C.W.I. | Cold water input |
| S | Sensor |

# EP2 7000




| | |
|---|---|
| C.O. | Coil outlet |
| C.I. | Coil inlet |
| HE | Heating element |
| TR | Thermostat |
| R | Recirculation |
| T | Thermometer |
| H.W.O. | Hot water output |
| C.W.I. | Cold water input |
| S | Sensor |

# EPZ

MADE IN EUROPE

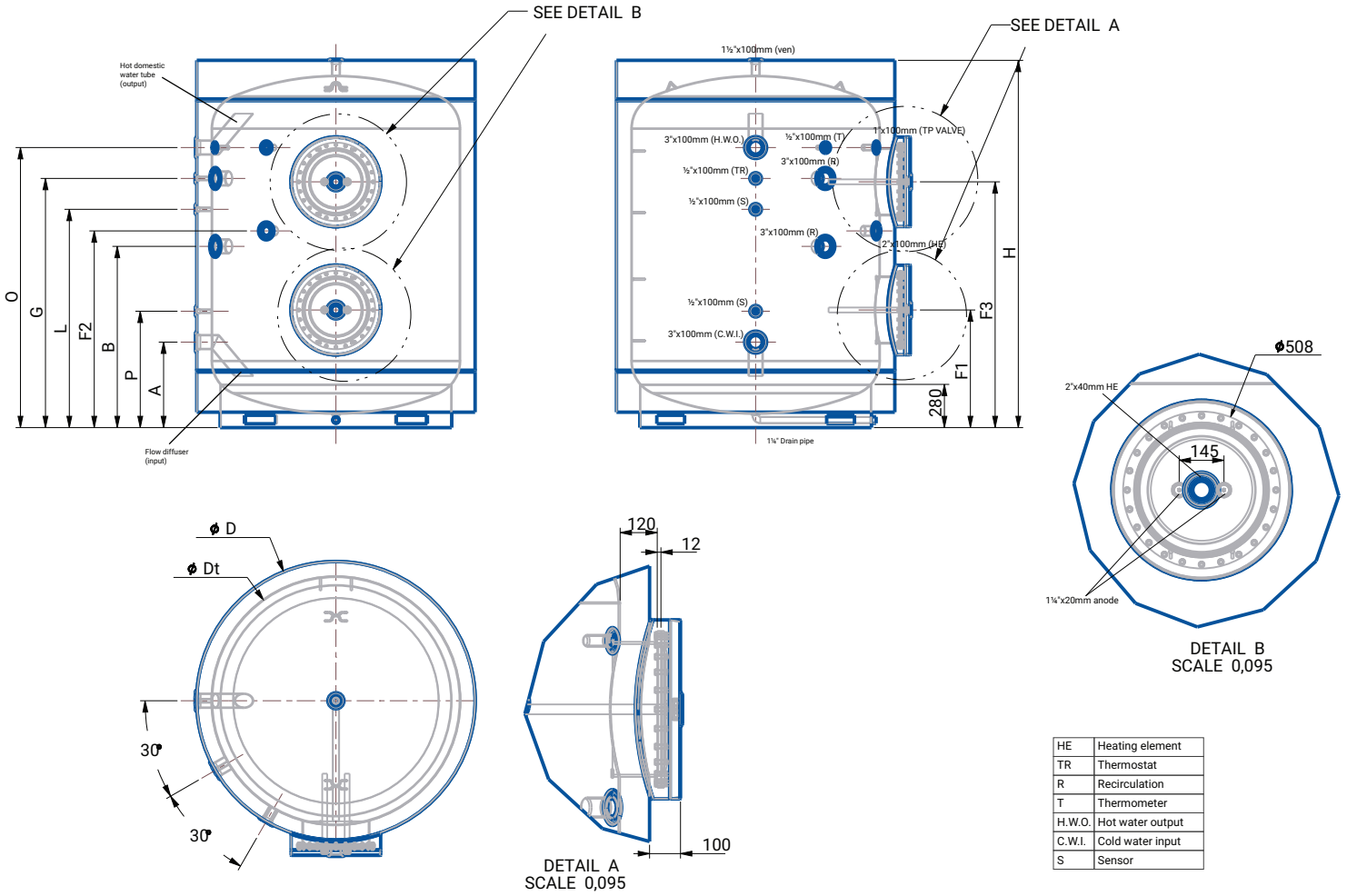
## Floor-standing cylinder without coil

/ Epoxy Enameled coating WRAS approved
/ Maximum design pressure of 10 bar, tested at 20 bar
/ Automatic metal welding
/ Magnesium anti-corrosion anode
/ Soft Polyurethane foam Insulation; 100mm thickness
/ External Jacket options:
  - ➤ *PVC for standard installation*
  - ➤ *METAL for outdoor installation to protect against weather conditions*
/ Drain connection
/ Recirculation connection
/ Inspection and maintenance flanges 508 mm
  - ➤ *2 for up to 5000 L*
  - ➤ *3 for 7000 L*
/ Optional heating element kits
  - ➤ *3, 12, 24, 36 kW*

| TECHNICAL DATA | | EPZ 3000 | EPZ 4000 | EPZ 5000 | EPZ 7000 |
|---|---|---|---|---|---|
| Actual Tank Capacity | l | 3490 | 3910 | 4920 | 7220 |
| Maximum design pressure | bar | 10 | 10 | 10 | 10 |
| Working pressure | bar | 8 | 8 | 8 | 8 |
| Maximum operating Temperature | °C | 85 | 85 | 85 | 85 |
| Thermal Losses | W | 294 | 357 | 395 | 606 |
| Tank Weight | kg | 680 | 895 | 985 | 1465 |
| Number of flange/ hole diameter /External diameter | mm | 2/420/508 | 2/420/508 | 2/420/508 | 3/420/508 |
| Insulation | | | 100 mm removable soft Polyurethane foam | | |
| Inner tank | | | Epoxy Eamelled coating | | |
| External cover | | | Soft PVC / Metal sheet | | |
| **OVERALL DIMENSIONS** | | | | | |
| B | mm | 735 | 1174 | 1125 | 1219 |
| A | mm | 535 | 554 | 565 | 609 |
| O | mm | 1795 | 1814 | 2325 | 2659 |
| G | mm | 1595 | 1614 | 2125 | 2409 |
| P | mm | 735 | 754 | 765 | 859 |
| L | mm | 1395 | 1414 | 1545 | 2049 |
| F1 | mm | 744 | 762 | 825 | 804 |
| F2 | mm | 1235 | 1274 | 1280 | 1319 |
| F3 | mm | 1574 | 1592 | 1655 | 1634 |
| F4 | mm | - | - | - | 1319 |
| H | mm | 2330 | 2379 | 2890 | 3291 |
| D | mm | 1700 | 1800 | 1800 | 2000 |
| Dt | mm | 1500 | 1600 | 1600 | 1800 |

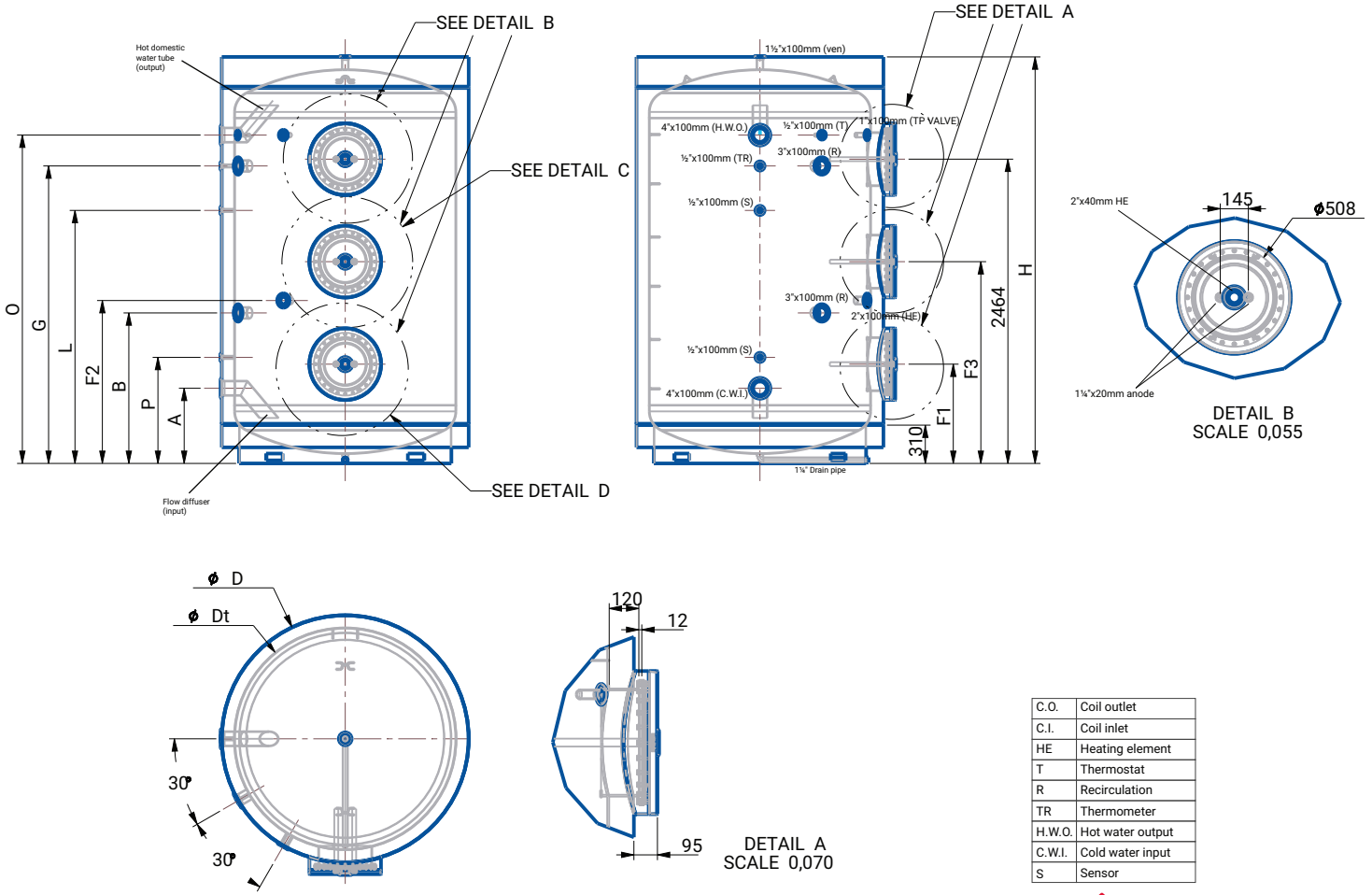
| EPZ | EPZ 3000 | EPZ 4000 | EPZ 5000 | EPZ 7000 |
|---|---|---|---|---|
| **CODE** | | | | |
| PVC | 3060714 | 3060720 | 3060738 | 3060744 |
| METAL | 3060715 | 3060721 | 3060739 | 3060747 |

# EPZ 3000 - 5000




| | |
|---|---|
| HE | Heating element |
| TR | Thermostat |
| R | Recirculation |
| T | Thermometer |
| H.W.O. | Hot water output |
| C.W.I. | Cold water input |
| S | Sensor |

# EPZ 7000




| | |
|---|---|
| C.O. | Coil outlet |
| C.I. | Coil inlet |
| HE | Heating element |
| T | Thermostat |
| R | Recirculation |
| TR | Thermometer |
| H.W.O. | Hot water output |
| C.W.I. | Cold water input |
| S | Sensor |

# Cylinder Accessories

| Description | Code | BC1S 7B | BC2S 7B | BCH EE | CDZ | CD1 | CD1 F | CD2 F | CK1 | BDR |
|---|---|---|---|---|---|---|---|---|---|---|
| NEW ELECTRIC KIT 2 kW 230V 1 1/2" | 3078222 | ● | ● | | | | | | | |
| NEW ELECTRIC KIT 6 KW 230-400V - 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 | | | | ● | ● | ● | ● | ● | |
| 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 | | | | | | ● | ● | | |
| **Safety Groups** | **Code** | **BC1S 7B** | **BC2S 7B** | **BCH EE** | **CDZ** | **CD1** | **CD1 F** | **CD2 F** | **CK1** | **BDR** |
| SAFETY GROUP 3/4" | 877085 | | | ● | | | | | | ● |
| SAFETY GROUP 1" | 885516 | ● | ● | | | | | | | |
| SIPHON | 877086 | | | ● | | | | | | ● |

*3105044 mandatory
**3105045 mandatory

ARISTON SERVICE

# After-sales service

## First class service

Ariston service model is designed to offer efficiency and professionalism to all its customers.

## Genuine Ariston spare parts

All Ariston spare parts are built and tested to guarantee the best possible quality and the reliability of your Ariston product. Using genuine Ariston spare parts and components is the only way to keep your system at its best, fulfilling legal and warranty requirements.

## Maximum peace of mind

Ariston gives you the assurance of long-term product quality and safety, and in case of any potential problem it ensures that everything will be dealt with quickly and professionally.

Look up the closest service center at **ariston.com/me**
or call the Ariston Customer Service at the **toll-free number 800-2747866**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ariston.com