ARISTON

The home of sustainable comfort

Water heating catalogue

HOT WATER ⌂ HEATING ⌂ RENEWABLE

The home of **sustainable comfort**

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

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

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

Our story, driven by your needs

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

'30s Foundation

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

'80s Heating

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

'60s **Water** heating

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

'90s

Global expansion

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

'10s

Ariston Comfort Challenge

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

'00s

Renewable technologies

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

'20s

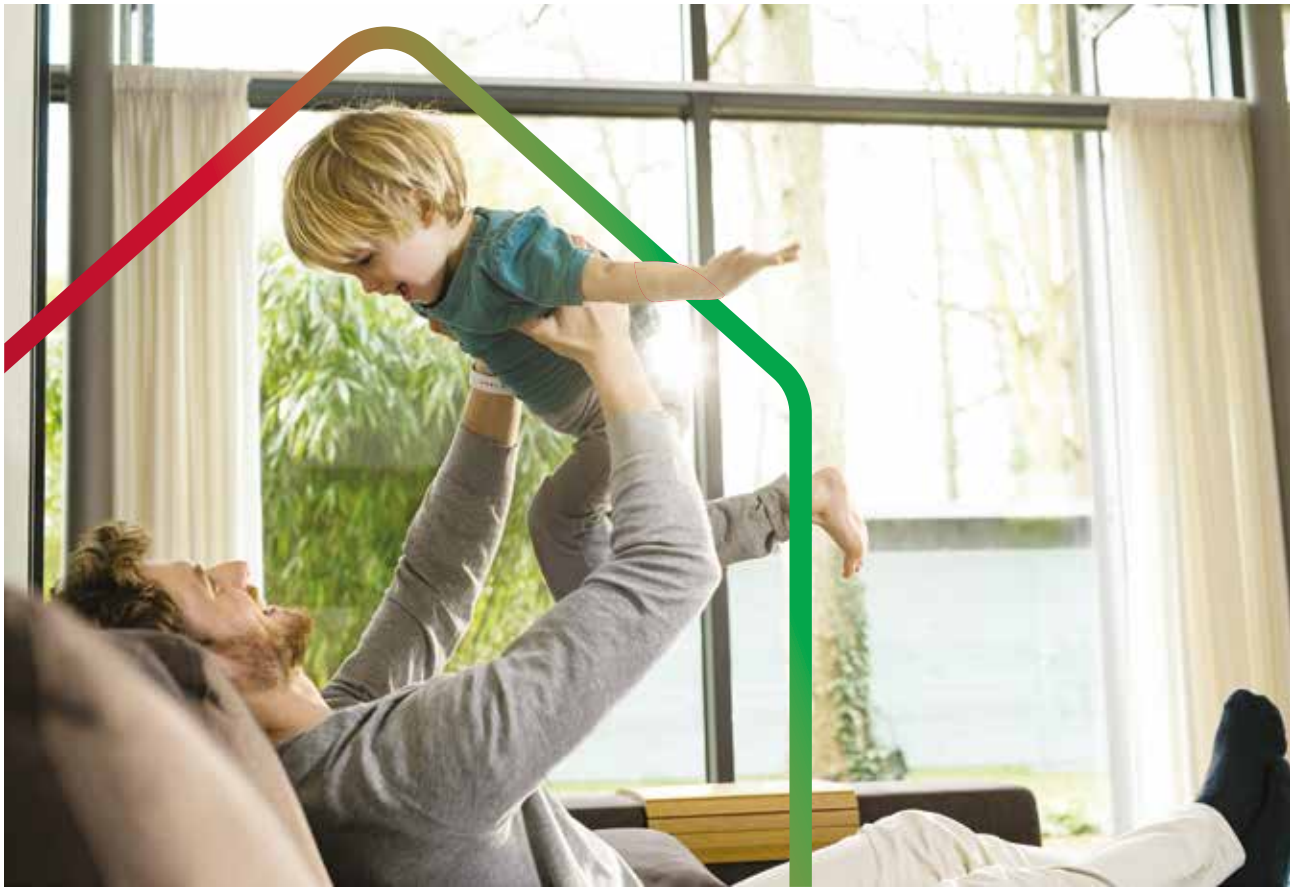
The home of sustainable comfort

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

Why **choose Ariston?**

We are a global **thermal comfort specialist**

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



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.

2.5%
of revenues invested annually in R&D with growing focus on renewable products*

79%
of turnover from innovative products (younger than 5 years)*

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 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. 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 manifacture, plant maintenance and distribution logistics.

100%
checked and tested products

>95%
of our products require no technical interventions in their first 5 years of service*

*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.

Believe in **sustainability**

Our purpose is to provide everyone, in every corner of the world, with high-quality heating and water heating solutions, while protecting the environment.
To this end, we have placed energy efficiency and technologies using energy from renewable sources at the centre of our sustainable growth strategy, thus acting consistently with the sustainable development goals endorsed by the General Assembly of the United Nations.

This commitment is reflected in the effort we invest in developing efficient and sustainable products, solutions and processes that can make a decisive contribution to reducing energy consumption and environmental impact without sacrificing comfort.

The economic, social and environmental impacts generated through Ariston Thermo Group's operations contribute towards 9 of the 17 sustainable development goals, including:

Sustainable cities and communities

Ariston Thermo Group's commitment to energy-efficient solutions will enable citizens to use clean energy to its fullest potential. Replacing low-efficiency products with Ariston's new high-efficiency technologies will allow to curb carbon dioxide emissions by more than 3,4 Mln tons by 2022*.

Responsible consumption and production

All of our production plants around the world are at the centre of Ariston Thermo Group's energy efficiency plan. This consists in a long-term strategy that in 2019 allowed the Group to achieve a remarkable result: over 10,000 tons of CO2 equivalent avoided thanks to the energy efficiency of the production processes.

Climate action

During 2019 the Ariston Comfort Zone, a modular house equipped with Ariston's most advanced and efficient technology, enabled a group of researchers from the University of Copenhagen tasked with studying how climate change is affecting the Arctic ecosystem to conduct 22 new studies.

Connected services

Enjoy seamless connectivity

Ariston's product range includes a variety of Wi-Fi enabled solutions dedicated to comfort.

Designed to deliver always-on connectivity, our hot water and heating systems can be controlled remotely using a smartphone or through all main smart home platforms*.

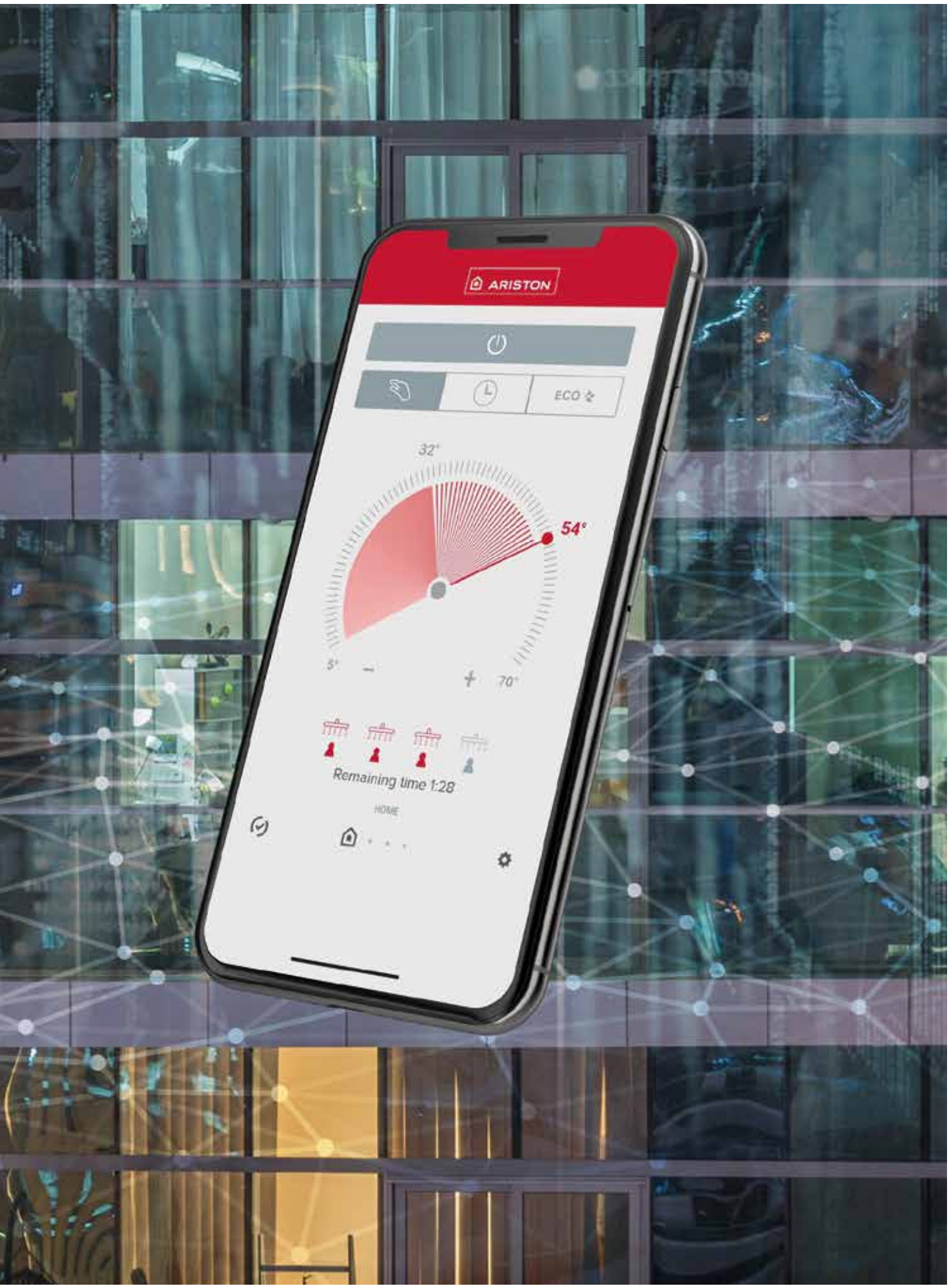
The key to your smart home

Ariston products, together with other home appliances, will help you bring your smart home project to life. The advantages of having a connected home are many, and there will be many more in the years to come. Look for the products compatible with Ariston NET & Aqua Ariston NET to benefit from all of them, both now and in the future. Regardless of your lifestyle, managing your personal comfort has never been more natural.

/ Ariston NET App for connected heating products

/ Aqua Ariston NET App for connected water heaters

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


ARISTON
ECO
32°
54°
5°
70°
Remaining time 1:28
HOME

Aqua Ariston NET

Give yourself a warm welcome home

Management and control of your water heating system have never been easier and more comfortable. Aqua Ariston NET App connects you with your water heater wherever you are, thus ensuring always-on comfort, up to 25%* energy savings and total peace of mind. Hot water is always available whenever you want, to let you enjoy a relaxing shower after a long day outside.

With Aqua Ariston NET, the possibilities are endless:

- / Set and manage your water temperature.
- / Receive a real time notification when your shower is ready.
- / Schedule weekly shower needs for all your family.
- / Change working mode (ECO, I-memory, etc.).
- / Monitor your consumption pattern to save up to 25% on energy bills every year.
- / Check out energy-saving tips for a more responsible and eco-friendly use of your water heater.
- / In case of system failure, get alerts providing an error description of the problem to facilitate technical assistance.

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


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.

Technical Consultancy Center

The Technical Consultancy Center provides every day specialist consultancy and timely responses on the technical characteristics of installations.

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

After-Sales

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

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

ERP

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

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

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

26.09.2015

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

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

2017

A+

introduced for domestic hot water production

26.09.2018

26.09.2019

A+++

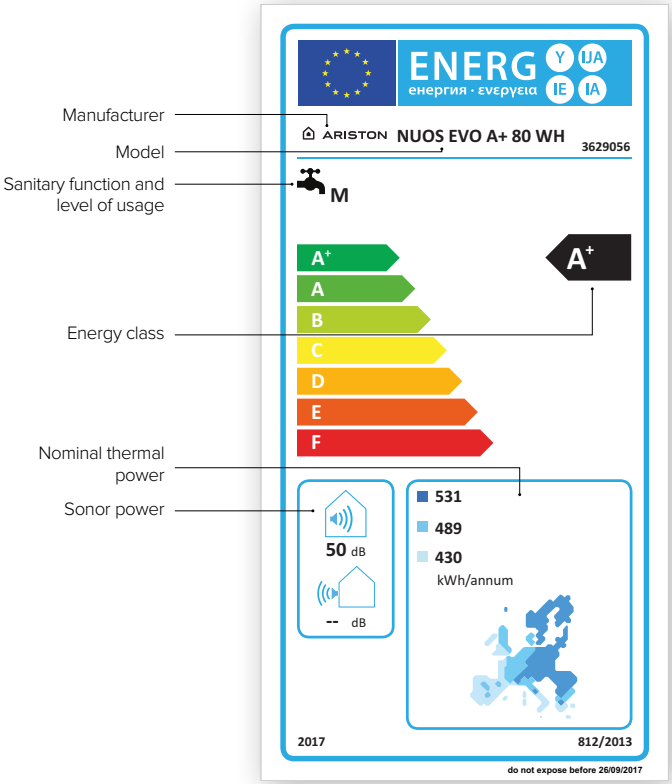
introduced for space heating

ErP ENERGY RELATED PRODUCTS

Minimum performance requirements for space heating and domestic hot water production

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

DISCOVER THE LOW NO_x - EMISSION RANGE INSIDE THE CATALOGUE



Energy label of a boiler

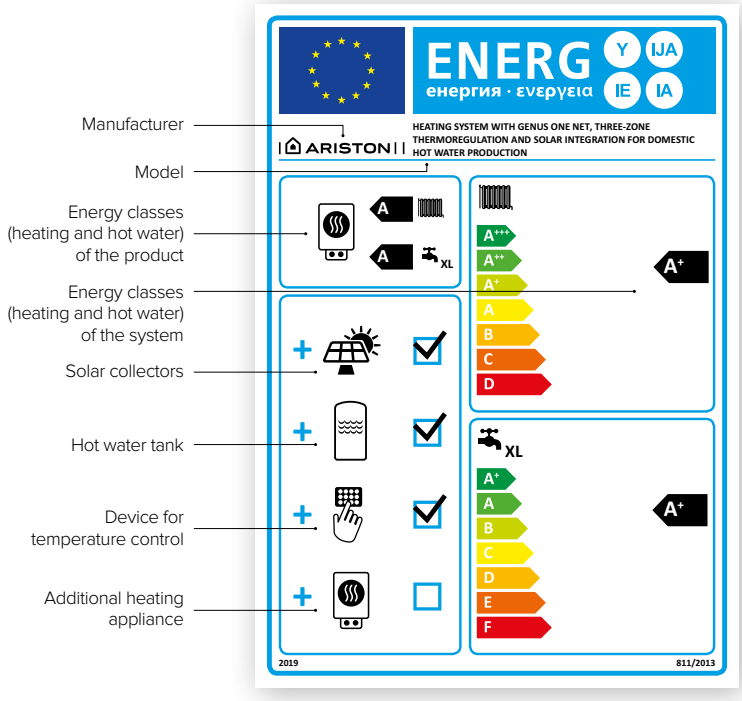
Product label

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

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

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

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



Energy label of a combi boiler

System label

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

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

In this catalogue

Electric instantaneous water heaters

Gas instantaneous water heaters

Gas storage water heaters

Integrated solar thermal systems

Collectors for forced circulation

Cylinders

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

Heat pumps

Ariston’s integrated renewable systems are designed to meet any hot water demand, while ensuring low energy consumption by absorbing the heat from outside air. With their cost-effective and environmentally-friendly operation, they represent the perfect upgrade for a more sustainable home.

- Nuos range

Nuos range

Fully customizable for saving energy up to 80%*

NUOS EVO A+

NUOS PLUS Wi-Fi

NUOS PRIMO

NUOS PRIMO HC

Maximum efficiency for domestic water heating

Ariston has chosen to privilege innovation with high-efficiency products that ensure savings on the energy bill.

The Ariston research activities have yielded the NUOS range of heat pump water heaters: effective products capable of guaranteeing hot water for any need, they minimise electricity consumption as they absorb heat directly from the outside air.

* Compared to traditional electric storage water heaters

NUOS SPLIT INVERTER Wi-Fi WH **NUOS SPLIT INVERTER Wi-Fi FS** **NUOS SPLIT**

Renewable as an opportunity

The extensive range of NUOS products adapt to any need to constantly guarantee the lowest energy consumption.

The various models available can be installed in place of conventional electric water heaters, to integrate existing generators and on new buildings in combination with photovoltaic or solar heating systems.

Thanks to the **Aqua Ariston NET** app, the **Nuos Split Inverter Wi-Fi** and **Nuos Plus Wi-Fi** products are connected to guarantee the utmost level of comfort and serenity for your customers:

/ Remote control of the product to programme the temperature and usage times

/ Energy consumption monitoring

Heat pump Technology

Unparalleled energy efficiency comes from the air

The renewable heat pump technology used by Nuos **converts heat from the air into energy for domestic hot wate**r, guaranteeing up to 80% energy saving*(A)(B) compared to traditional electric storage water heaters.

The modulating power provided by **the Inverter Technology (B) and the electronic expansion valve installed in the refrigerant circuit allow to reach a temperature of up to 62°C** with the most efficient COP in the market, with short heating-up time and low noise. For added efficiency, Nuos can be conveniently coupled with other heat generators (solar or boiler) (A) and photovoltaic panels(A)(B). Moreover, all top models boast energy class A+.

* Compared to traditional electric
(A) Only Nuos Plus Wi-Fi
(B) Only Nuos Split Inverter Wi-Fi

Different Working modes

Choose your best comfort

The product has different **working modes and advanced programmes to give you total control of your tailor-made comfort**. Available on all top-of-the-range models, the Silent mode ensures quiet operation at all times. For extra comfort, Nuos Plus boasts the shortest water heating time in the category*.

* According to EN 16147 regulation

Exclusive technologies

Unrivalled performance and lifetime reliability

The long lifespan and durable performance of the Nuos range are ensured by the exclusive Ariston technologies. **The enamelled or steatite heating elements offer thorough protection against the build-up of limescale, whereas the active anode optimally prevents tank corrosion**. The dedicated sanitary hot water compressor and the hydrophilic coated evaporator enable the product to withstand extreme temperatures.

As evidence of the long-lasting quality of each model, the tank is coupled with a 5-year warranty and the components have a 2-year warranty.

Top quality tested

Built for your utmost comfort

Every detail of Nuos water heaters is **strictly tested at each stage of the production line**.

Raw materials, components, enamelling, water and refrigerant leakages, electrical security system and functionality are thoroughly checked to ensure top quality, efficiency and energy saving. Field testing in real domestic environments around the world has been conducted to assess the quality, efficiency and performance of the entire range.

(A) Only Nuos Plus Wi-Fi
(B) Only Nuos Split Inverter Wi-Fi

Smart connectivity

Control Nuos from anywhere

Italian design

Unique combination of technology and style

Flexible installation

Customized solutions for all needs

Mono-block or split type, all Nuos models come with specific accessories for all types of installation requirements and can easily fit into spaces where traditional water heaters can't.

For split installation, the internal and external units can be installed 20 meters far for each other and with a 10-meter height difference.

Hi-tech display

More than user-friendly

The high definition LCD segment display available on all Nuos models allows to easily set and control your water heater.

The LCD screen with touch controls provides more intuitive interaction and easier water temperature management. (A)(B)

LCD display with full text and intuitive menu

(A) Only Nuos Plus Wi-Fi
(B) Only Nuos Split Inverter Wi-Fi

Nuos range:
Comparing technologies

The **Monobloc** heat pump water heaters have the refrigerant gas circuit hermetically sealed inside them. They can be installed by merely creating air ducts besides the plumbing connections.

Nuos Plus Wi-Fi
Technological excellence

/ **Air filter**: slows down clogging of the heat exchange coil and can be removed from above, for easier maintenance
/ **Air circuit**: patented architecture to reduce noise and heat dispersal
/ **Photovoltaic**: can be integrated with a photovoltaic system to exploit entirely renewable energy

3h41min*
THE LOWEST HEATING TIME ON THE MARKET*

80%
ENERGY SAVING COMPARED TO A CONVENTIONAL ELECTRIC WATER HEATER WITH THE SAME CAPACITY

3,62
COP**

1 / Fan
2 / PCB & HMI
3 / Evaporator
4 / Compressor
5 / Primary coil
6 / Secondary coil
7 / Wrapped condenser
8 / Electrical kit

* Data refers to Nuos Plus Wi-Fi 200 with 14°C air T (EN16147)
** Data refers to Nuos Plus Wi-Fi 250 with 14°C air T (EN16147)

Split heat pump water heaters consist of an outdoor unit where the thermodynamic cycle takes place and an indoor unit in which the refrigerant gas/domestic hot water heat exchange takes place. They ensure the utmost installation flexibility, low bulk and silent operation.

Nuos Split Inverter Wi-Fi

Maximum distance between outdoor and indoor unit

/ **Photovoltaic**: can be integrated with a photovoltaic system to exploit entirely renewable energy

/ **DC inverter technology**: the outdoor unit is equipped with DC Inverter technology: the water temperature is kept constant by reducing the ON/OFF cycles.

15dB(A)
INDOOR UNIT SOUND POWER

20m
MAXIMUM DISTANCE BETWEEN OUTDOOR AND INDOOR UNIT

3,84
COP***

*** Data refers to NUOS SPLIT INVERTER Wi-Fi 270 with 14°C air T (EN 16147)

1 / Fan
2 / Display touch
3 / Evaporator
4 / Compressor Inverter DC
5 / Wrapped condenser
6 / Electrical kit

Heat pump technology

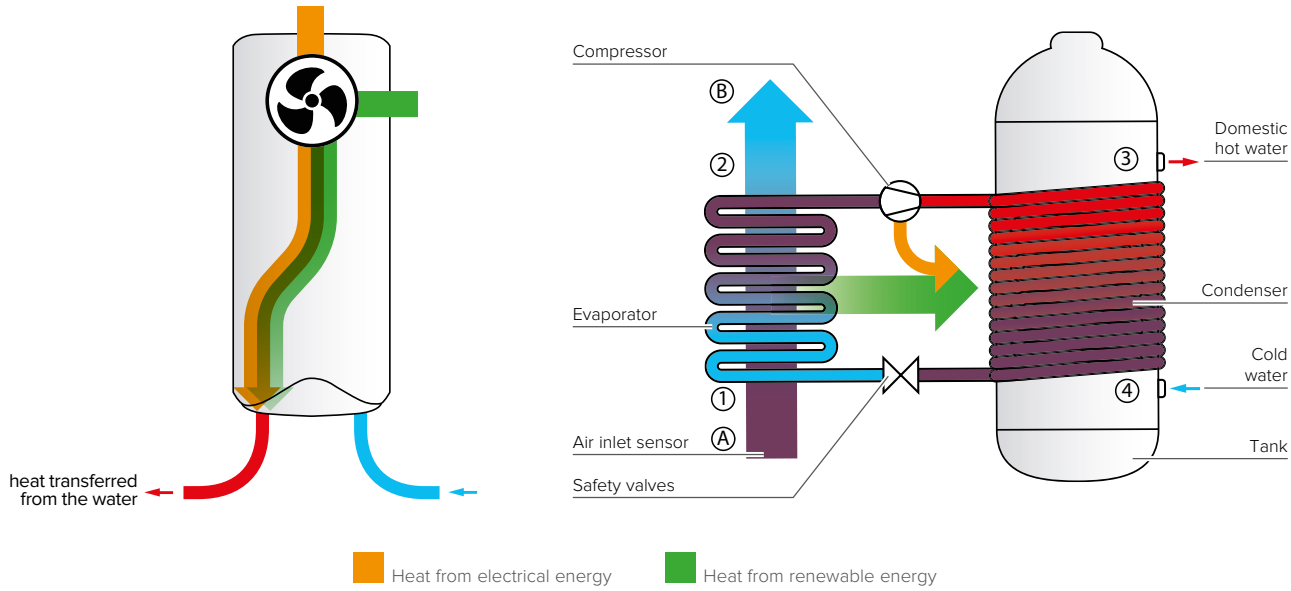
Nuos range uses a **thermodynamic cycle to heat the water inside the storage tank** through the air sucked by the thermal group inverting the heat natural flow. A refrigerant fluid (R134A), through status changes, compression and expansion cycles, withdraws the heat in the air at low temperature and gives it to domestic water at a higher temperature.

This is the reverse mechanism to the one used in refrigerators. The product electric consumption is only the one necessary to let the fan (that captures the air) and the compressor (that allows the refrigerant fluid to circulate in the system) work.

Nuos energy Formula

100 = 25 + 75

HOT WATER	ELECTRICAL ENERGY	AIR HEAT



Thermodynamic cycle

A-B / External air is aspirated inside the heat pump thanks to a fan; when passing through the fins of the evaporator, the air gives its heat and lose 10°C approx. Finally it is expelled.

1-2 / The refrigerant fluid goes through the evaporator and absorbs the heat given by the air.During this process it changes its physical status and evaporate, keeping temperature and pressure almost constant.(0°C ; 5 bar).

2-3 / The refrigerant fluid crosses the compressor and experiences a pressure rising which involves an increase of temperature. At the end of the process the fluid is overheated vapor and its temperature and pressure are 70°C and 20 bar respectively.

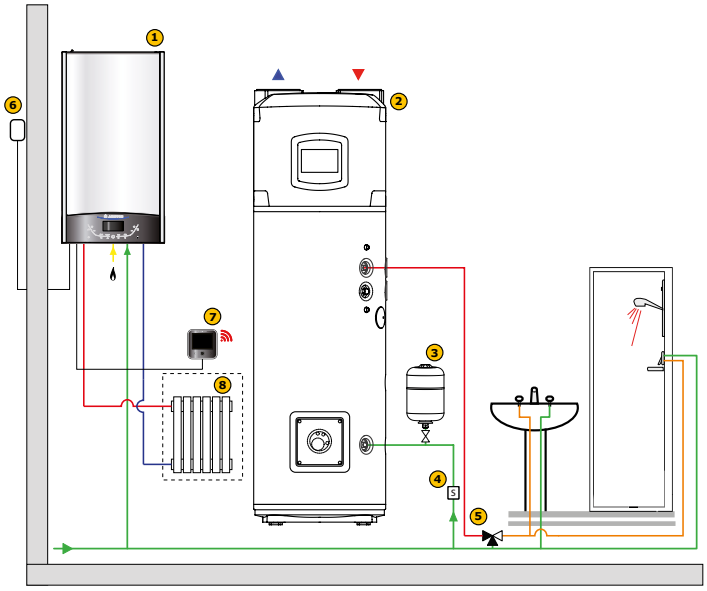
3-4 / Within the condenser, the refrigerant fluid gives its heat to the water which warms up. By doing this, the refrigerant condensate at constant pressure (20 bar) and then experiences a significant reduction of temperature. (70 –>40°C).

4-1 / The refrigerant fluid passes through the lamination valve, suddenly loose both pressure and temperature and partially evaporate thus returning to the initial conditions of temperature and pressure. (40–>0°C; 5 bar). The thermodynamical cycle can now start over.

Single-family solutions

Domestic hot water from renewable source with heat pump water heater

Heating with condensing wall-hung boiler



Legend

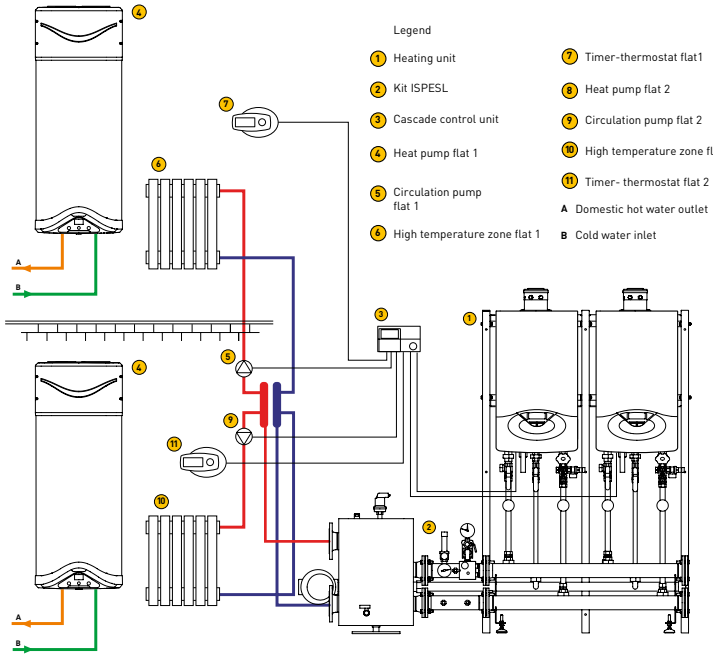
1. Wall-Hung Boiler
2. Heat Pump Water Heater Nuos
3. Expansion Vessel
4. Safety group
5. Domestic hot water Mixing valve
6. External probe
7. Room sensor Cube S NET
8. Heating zone

Arrange an appropriate hydraulic safety group

Multi-family solutions

Domestic hot water from renewable source with individual wall-hung heat pump water heater

Centralized heating system with condensing boilers



Legend

1. Heating unit
2. Kit ISPESL
3. Cascade control unit
4. Heat pump flat 1
5. Circulation pump flat 1
6. High temperature zone flat 1
7. Timer-thermostat flat1
8. Heat pump flat 2
9. Circulation pump flat 2
10. High temperature zone flat 2
11. Timer- thermostat flat 2

A Domestic hot water outlet

B Cold water inlet

Arrange appropriate hydraulic safety group

Monoblock heat pump water heater

	NUOS EVO A+ WH			NUOS PLUS Wi-Fi			
	80	110	150	200	250	250 SYS	250 TWIN SYS
ENERGY CLASS	A+	A+	A+	A+	A+	A+	A+
TAPPING PROFILE	M	M	L	L	XL	XL	XL
TYPE	Monoblock			Monoblock			
INTERNAL UNIT ASSEMBLY	Wall-hung			Floor standing			
OPERATING RANGE AIR (°C)	-5/42			-10/42			
MAX WATER TEMPERATURE (WITH/ WITHOUT HEATING ELEMENTS) (°C)	62/75			62/75			
COP*	2,83	2,75	3,15	3,27	3,62	3,62	3,62
SEASONAL EFFICIENCY %*	117	114	129	136,7	147,9	147,9	147,9
HEATING TIME IN HEAT PUMP (hh:mm)*	04:38	06:04	08:56	03:41	04:37	04:37	04:37
INTEGRATED HEATING ELEMENTS (kW)	1,2			1,0+1,5			
INTEGRATED COILS	-			-	-	1	2
SOUND POWER (dB)	50			55			
OPERATING MODES	Green, Boost, Boost 2, Auto, Program, Voyage, Antilegionella			Green, Comfort, Fast, i-memory, HC-HP, Boost			
SILENCE FUNCTION	Yes			Yes			
PHOTOVOLTAIC FUNCTION	-			Yes			
EDF FUNCTION	-			Yes			
CODE	3629056	3629057	3629074	3069775	3069776	3069777	3069778
PAGE	38			40			

NUOS PRIMO		NUOS PRIMO HC		
80	100	200	240	240 SYS
A	**A**	**A**	**A**	**A**
M	**M**	**L**	**XL**	**XL**
Monoblock		Monoblock		
Wall-hung		Floor standing		
10/40		-5/42		
55/75		55/75		
2,32 (Air T 20°C)	2,17 (Air T 20°C)	2,85 (Air T 20°C)	3,15 (Air T 20°C)	3,06 (Air T 20°C)
96	90	115	129	125
05:20	06:36	06:19	07:59	07:57
1,2		2,0		
-		-	-	1
54		53		
Green, Boost, Auto, Program, Antilegionella		Green, Boost, Auto, Program, Antilegionella		
-		-		
-		Yes		
-	-	Yes		
3623238	3623239	3069653	3069654	3069655
42		44		

* Air temperature 14°C, water temperature from 10°C or 15°C to set point.

Nuos Evo A+ WH

Top of the range wall-hung heat pump for domestic hot water production in A+ class

/ High performances and sustainability: environmental friendly heat pump mode to achieve 62°C.
/ Security and durability: Condenser wrapped around titanium enamelled steel boiler, not immersed in water.

Energy Class

A+

ErP

Features

/ Operating range in heat pump mode with air temperature from -5 to 42°C
/ Active anode Protech + magnesium anode
/ Low noise in silent mode
/ LCD display
/ Modes: green, auto, boost, boost 2, holiday and antilegionella modes
/ Product intended for indoor installation

TECHNICAL DATA		80	110	150
COP [A]		2,83	2,75	3,15
COP [B]		2,6	2,5	2,9
Heating time [A]	hh:mm	04:38	06:04	08:56
Min/max air temperature	°C	-5/42	-5/42	-5/42
Max water temperature heat pump only mode	°C	62/75	62/75	62/75
Sound power [D]	dB(A)	50	50	50
Average electrical power consumption in heat pump mode	W	250	250	250
Max electrical power consumption in heat pump mode	W	350	350	350
Max Qty of domestic hot water at 40°C [B]	l	85	128	182
Nominal storage tank capacity	l	80	110	147
Max operating pressure	bar	8	8	8
Voltage/Max. power consumption	V/W	220- 240 single - phase/1550		
Heating element power	W	1200	1200	1200
Standard air flow rate	m^3/h	100-200	100-200	100-200
Min volume of the installation room	m^3/h	20	20	20
Empty weight	kg	50	55	61
Electrical system protection grade		IP24	IP24	IP24
Insulation thickness	mm	41	41	41
Water connections diameter	,	1/2 M 1/2 M 1/2 M	1/2 M 1/2 M 1/2 M	1/2 M 1/2 M 1/2 M
Min Temperature of storage tank room	°C	1	1	1
Heat dispersion (Pes) [B]	W	12	16	20
Available static pressure	Pa	65	65	65
Annual energy consumption (average climate) [C]	kWh/year	479	495	858
Seasonal efficiency [C]	%	107,1	103,8	119,3

F-GAS DATA				
Refrigerant type		R-134a	R-134a	R-134a
Refrigerant charge	g	500	550	600
GWP		1430	1430	1430
CO2 equivalents	t	0,715	0,787	0,858

CODE				
ErP		3629056	3629057	3629074
	Energy class	A+	A+	A+
	Tapping profile	M	M	L

The capacity indicated in this catalogue identifies the product category. The effective capacity of the product is given in the relevant technical documentation provided with the product.

[A] Values obtained with 14°C outdoor air temperature and 87% relative humidity, 10°C inlet water temperature and 52°C set temperature (EN 16147). Ducted product Ø150 rigid.
[B] Values obtained with external air temperature of 7°C and relative humidity at 87%, inlet water temperature of 10°C and set temperature of 53 °C (according to the provisions set forth in EN 16147). Rigid Ø150 ducted product.
[C] Values obtained with external air temperature of 7°C and relative humidity at 87%, inlet water temperature of 10°C and set temperature of 53 °C (according to the provisions set forth in 2014/C 207/03 - transitional methods of measurement and calculation). Rigid Ø150 ducted product.
[D] Values obtained from average results of three tests carried out with external air temperature of 7°C and relative humidity at 87%, inlet water temperature of 10°C and temperature set according to the provisions set forth in 2014/C 207/03 - transitional methods of measurement and calculation and EN 12102). Rigid Ø150 ducted product.

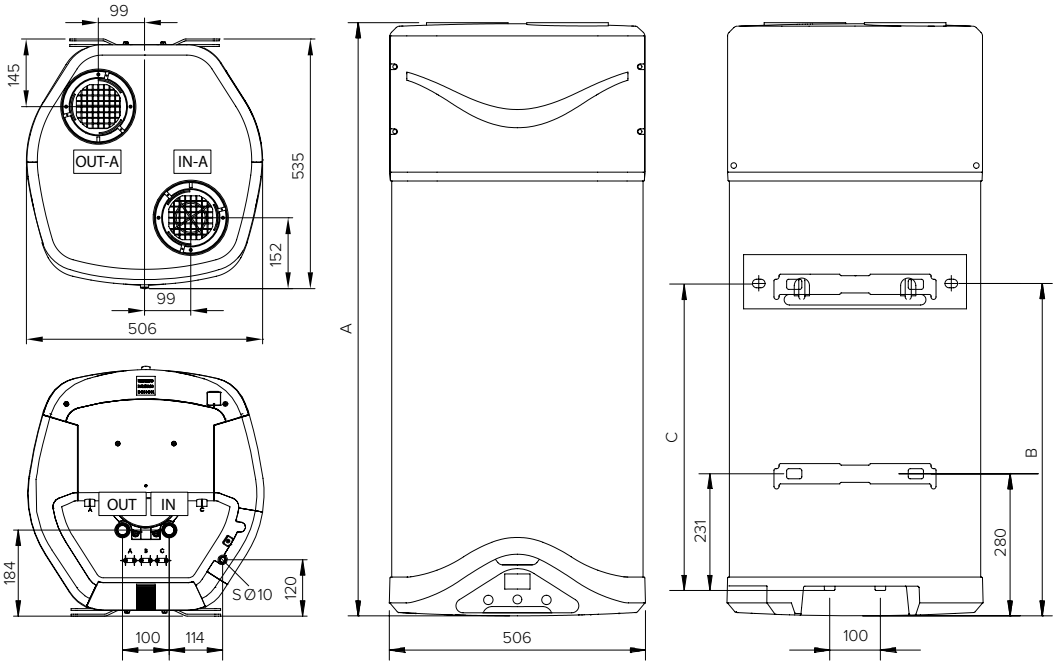
ENERGY EFFICIENT

PROFESSIONAL TECH
ANTI-CORROSION

ANTI-LEGIONELLA

ANTI-FREEZING

DIMENSIONS	80	110	150
A mm	1171	1398	1654
B mm	656	874	1139
C mm	607	825	1090



KEY
S \ condensate drain Ø10mm
IN \ cold water inlet G 1/2”
OUT \ hot water outlet G 1/2”

Nuos Plus Wi-Fi

Top of the range floor-standing heat pump for domestic hot water production in A+ class, with connectivity.

- / Full comfort with lowest heating time on market* and superior COP.
- / Simplified control via smartphone with Aqua Ariston NET app.
- / High performances and sustainability: environmental friendly heat pump mode to achieve 62°C.

Energy Class

A+

ErP

Features

- / Full compatibility with R513A refrigerant gas
- / Integrated photovoltaic function
- / BusbridgeNET® compatible
- / One or two coils and sensors slot to integrate solar thermal, boiler or biomass
- / Active anode Protech + magnesium anode
- / Dual power steatite electrical heating elements
- / Low noise in silent mode
- / LCD display
- / Modes: green, comfort, fast, boost, i-memory, HC-HP, holiday
- / Time scheduling
- / Antilegionella
- / Product intended for indoor installation
- / 100% designed and developed in italy

* Check if local product code is enabled for connectivity.

TECHNICAL DATA		200	250	250 SYS	250 TWIN SYS
COP [A]		3,27	3,62	3,62	3,62
COP [B]		3,1	3,35	3,14	3,21
Heating time [A]	hh:mm	03:41	04:37	04:37	04:37
Min/max air temperature	°C	-10/42	-10/42	-10/42	-10/42
Max water temperature heat pump only mode	°C	62/75	62/75	62/75	62/75
Sound power [C]	dB(A)	55	55	55	55
Sound power (silent mode) [C]	dB(A)	51	51	51	51
Max electrical power consumption in heat pump mode	W	900	900	900	900
Nominal storage tank capacity	l	200	250	245	240
Max operating pressure	bar	6	6	6	6
Voltage/Max. power consumption	V/W	220-240/2500	220-240/2500	220-240/2500	220-240/2500
Heating element power	W	1500 + 1000	1500 + 1000	1500 + 1000	1500 + 1000
Standard air flow rate	m^3/h	650	650	650	650
Min volume of the installation room [E]	m^3	30	30	30	30
Empty weight	kg	90	95	115	130
Electrical system protection grade		IPX4	IPX4	IPX4	IPX4
Insulation thickness	mm	50	50	50	50
Water connections diameter	"	G 3/4 M	G 3/4 M	G 3/4 M	G 3/4 M
Min Temperature of storage tank room	°C	1	1	1	1
Heating bottom circuit exchange surface	m^2	-	-	0,65	0,65
Heating top circuit exchange surface	m^2	-	-		0,65
Heat dispersion (Pes) [B]	W	21	22	23	25
Available static pressure	Pa	230	230	230	230
Annual energy consumption (average climate) [C]	kWh/year	790	1215	1299	1256
Seasonal efficiency [C]	%	130	138	129	133
V40 (Qty of mixed DHW at 40°C) [C]	l	256	336	333	325
F-GAS DATA					
Refrigerant type		R134a	R134a	R134a	R134a
Refrigerant charge	g	1300	1300	1300	1300
GWP		1430	1430	1430	1430
CO2 equivalents	t	1,859	1,859	1,859	1,859
CODE					
ErP		3069775	3069776	3069777	3069778
Energy class		A+	A+	A+	A+
Tapping profile		L	XL	XL	XL

[A] Values obtained with 14°C outdoor air temperature and 87% relative humidity, 10°C inlet water temperature and 55°C set temperature (EN 16147). Ducted product Ø150 rigid.
[B] Values obtained with outdoor air temperature of 7°C and relative humidity of 87%, inlet water temperature of 10°C and temperature set at 55°C (as per the provisions in EN 16147 and CDC 103-15/C-2018). Ducted product Ø200 mm.
[C] Values obtained with outdoor air temperature of 7°C and relative humidity of 87%, inlet water temperature of 10°C and temperature set at 55°C (as per the provisions of 2014/C 207/03 - transitional methods of measurement and calculation). Ducted product Ø200 mm
[D] Values obtained from the average of the results as per the provisions in EN 12102-2. Ducted product Ø200 mm.
[E] Value that guarantees the correct operation and easy maintenance with non-ducted products. The correct operation of the product is nevertheless guaranteed up to a minimum height of 2.090 m

The capacity indicated in this catalogue identifies the product category. The effective capacity of the product is given in the relevant technical documentation provided with the product.

SYSTEM MANAGEMENT

INTEGRATION WITH PHOTOVOLTAIC SYSTEM

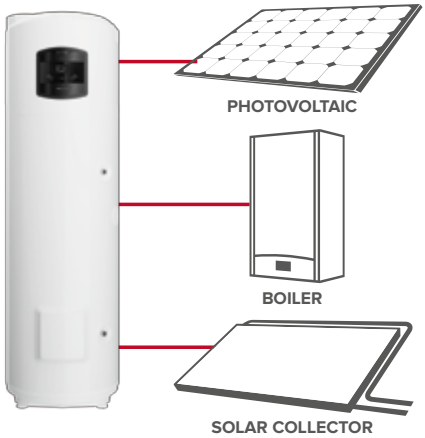
ENERGY EFFICIENT

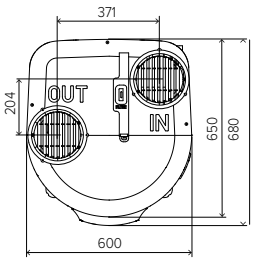
ANTI-CORROSION

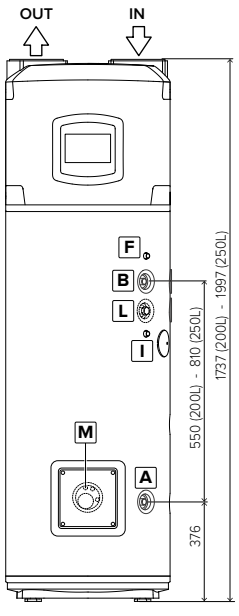
ANTI-LEGIONELLA

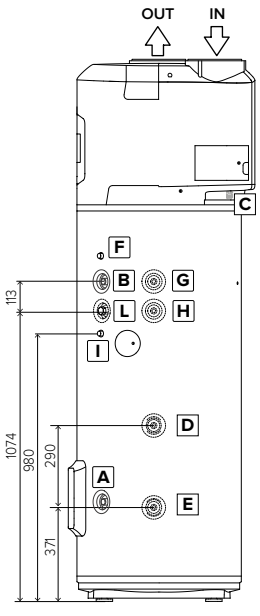
ANTI-FREEZING

SOLAR INTEGRATION









NUOS PLUS Wi-Fi 200 / 250 PHOTOVOLTAIC BOILER

NUOS PLUS Wi-Fi 250 SYS PHOTOVOLTAIC BOILER SOLAR COLLECTOR

NUOS PLUS Wi-Fi 250 TWIN SYS PHOTOVOLTAIC BOILER SOLAR COLLECTOR

KEY

A \ Pipe Ø ¾" cold water inlet
B \ Pipe Ø ¾" hot water outlet
C \ Condensate drainage connection Ø14mm
D \ Pipe Ø ¾" auxiliary circuit inlet (SYS and TWIN SYS versions only)
E \ Pipe Ø ¾" auxiliary circuit outlet (SYS and TWIN SYS versions only)
F \ Sheath for upper sensor (S3) (SYS and TWIN SYS versions only)
G \ Pipe Ø ¾" auxiliary circuit inlet (TWIN SYS version only)
H \ Pipe Ø ¾" auxiliary circuit outlet (TWIN SYS version only)
I \ Sheath for upper sensor (S4) (TWIN SYS version only)
L \ Pipe Ø ¾" for recycling circuit (SYS and TWIN SYS versions only)
M \ Sheath for lower sensor (S2) (SYS and TWIN SYS versions only)

Nuos Primo

Wall-hung heat pump for domestic hot water production

/ High performances and sustainability: environmental friendly heat pump mode to achieve 55°C.
/ Security and durability: Condenser wrapped around titanium enamelled steel boiler, not immersed in water.

Energy Class

A

Features

/ Operating range in heat pump mode with air temperature from 10 to 40°C
/ Anti corrosion magnesium anode
/ LED display
/ Modes: green, auto, boost, program
/ Antilegionella
/ Product intended for indoor installation

TECHNICAL DATA		80	100
COP [A]		2,32	2,17
Heating time [A]	hh:mm	05:20	06:36
Min/max air temperature	°C	10/40	10/40
Max water temperature heat pump only mode	°C	55	55
Sound power [C]	dB(A)	54	54
Average electrical power consumption in heat pump mode	W	250	250
Max Qty of domestic hot water at 40°C [B]	l	91	117
Nominal storage tank capacity	l	80	100
Max operating pressure	bar	8	8
Voltage/Max. power consumption	V/W	220-240 single-phase / 1550	
Heating element power	W	1200	1200
Standard air flow rate	m^3/h	170	170
Min volume of the installation room	m^3	20	20
Empty weight	kg	45	49
Electrical system protection grade		IP24	IP24
Insulation thickness	mm	31	31
Water connections diameter	"	1/2 M	1/2 M
Min Temperature of storage tank room	°C	1	1
Heat dispersion (Pes) [A]	W	17	20
Available static pressure	Pa	65	65
Annual energy consumption (average climate) [B]	kWh/year	533	567
Seasonal efficiency [B]	%	96,4	90,6

F-GAS DATA

Refrigerant type		R134a	R134a
Refrigerant charge	g	380	380
GWP		1430	1430
CO2 equivalents	t	0,543	0,543

CODE

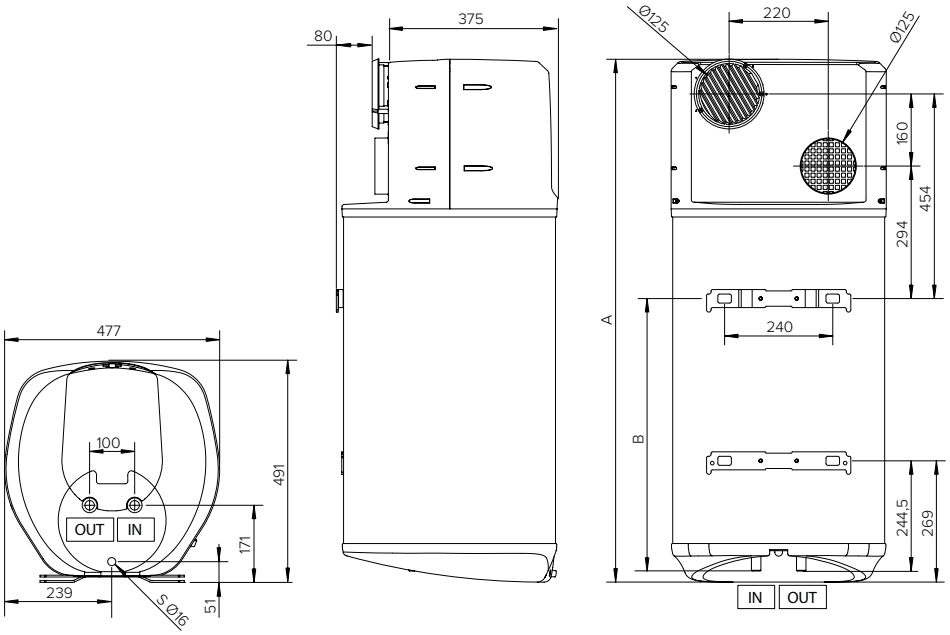
ErP		3623238	3623239
	Energy class	A	A
	Tapping profile	M	M

[A] Values obtained with external air temperature of 20°C and relative humidity at 37%, inlet water temperature of 10°C and set temperature of 55°C (according to the provisions set forth in EN 16147). Product not ducted.
[B] Values obtained with external air temperature of 20°C and relative humidity at 37%, inlet water temperature of 10°C and set temperature of 55°C (according to the provisions set forth in 2014/C 207/03 - transitional methods of measurement and calculation). Product not ducted.
[C] Values obtained from average results of three tests carried out with external air temperature of 20°C and relative humidity at 37%, inlet water temperature of 10°C and temperature set according to the provisions set forth in 2014/C 207/03 - transitional methods of measurement and calculation and EN 12102). Product not ducted.

The capacity indicated in this catalogue identifies the product category. The effective capacity of the product is given in the relevant technical documentation provided with the product.

ANTI-LEGIONELLA

Dimensions	80	100
A mm	1160	1304
B mm	604,5	748,5



KEY
IN \ Cold water inlet G 1/2”
OUT \ Hot water outlet G 1/2”
S \ Condensate drain

Nuos Primo HC

Floor-standing heat pump for domestic hot water production

/ High performances and sustainability: environmental friendly heat pump mode to achieve 55°C.

Energy Class

A

Features

/ Operating range in heat pump mode with air temperature from -5 to 42°C
/ Coils and sensors slot to integrate solar thermal or boiler (240 SYS)
/ Active anode Protech + magnesium anode
/ LCD display
/ Modes: green, auto, boost, program
/ Antilegionella
/ Product intended for indoor installation

TECHNICAL DATA		200	240	240 SYS
COP [A]		2,85	3,15	3,06
COP [B]		2,71	2,86	2,77
Heating time [B]	hh:mm	06:19	07:59	07:57
Min/max air temperature	°C	-5/42	-5/42	-5/42
Max water temperature heat pump only mode	°C	55/75	55/75	55/75
Sound power [D]	dB(A)	53	53	53
Average electrical power consumption in heat pump mode	W	500	500	500
Nominal storage tank capacity	l	202	244	239
Max operating pressure	bar	6	6	6
Voltage/Max. power consumption	V/W	220-230/2750	220-230/2750	220-230/2750
Heating element power	W	2000	2000	2000
Standard air flow rate	m3/h	400	400	400
Min volume of the installation room [E]	m3	20	20	20
Empty weight	kg	87	92	107
Electrical system protection grade		IP24	IP24	IP24
Insulation thickness	mm	35	35	35
Water connections diameter	"	G 3/4 M	G 3/4 M	G 3/4 M
Min Temperature of storage tank room	°C	1	1	1
Heat exchanger surface area	m2	-	-	0,65
Heat dispersion (Pes) [B]	W	28	34	35
Available static pressure	Pa	55	55	55
Annual energy consumption (average climate) [C]	kWh/year	912	1425	1470
Seasonal efficiency [C]	%	112,3	117,6	114
V40 (Qty of mixed DHW at 40°C) [C]	l	247	323	313

F-GAS DATA

Refrigerant type		R-134a	R-134a	R-134a
Refrigerant charge	g	900	900	900
GWP		1430	1430	1430
CO2 equivalents	t	1,29	1,29	1,29

CODE

ErP		3069653	3069654	3069655
	Energy class	A	A	A
	Tapping profile	L	XL	XL

The capacity indicated in this catalogue identifies the product category. The effective capacity of the product is given in the relevant technical documentation provided with the product.

[A] Values obtained with external air temperature of 20°C and relative humidity at 37%, inlet water temperature of 10°C and set temperature of 52°C (according to the provisions set forth in EN 16147). Product not ducted.
[B] Values obtained with external air temperature of 7°C and relative humidity at 87%, inlet water temperature of 10°C and set temperature of 52°C (according to the provisions set forth in EN 16147). Rigid Ø200 ducted product
[C] Values obtained with external air temperature of 7°C and relative humidity at 87%, inlet water temperature of 10°C and set temperature of 52°C (according to the provisions set forth in 2014/C 207/03 - transitional methods of measurement and calculation). Rigid Ø200 ducted product.
[D] Values obtained from average results of three tests carried out with external air temperature of 7°C and relative humidity at 87%, inlet water temperature of 10°C and temperature set according to the provisions set forth in 2014/C 207/03 - transitional methods of measurement and calculation and EN 12102). Rigid Ø200 ducted product.
[E] Value that ensures correct operation and eases maintenance if the product is not ducted.

INTEGRATION WITH PHOTOVOLTAIC SYSTEM

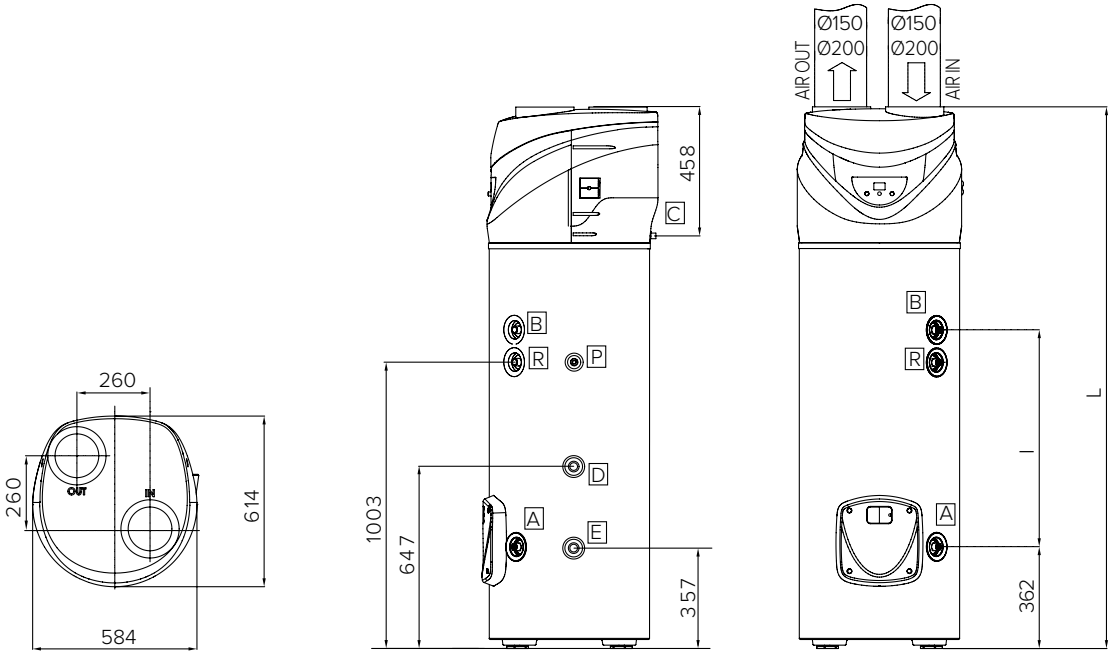
ANTI-CORROSION

ANTI-LEGIONELLA

ANTI-FREEZING

SOLAR INTEGRATION

Dimensions	200	240 (SYS)
l mm	551	771
L mm	1706	1926



KEY

A \ Pipe Ø ¾" cold water inlet
B \ Pipe Ø ¾" hot water outlet
C \ Condensate discharge connection Ø ½" F
D \ Pipe Ø ¾" coil inlet (240 SYS)
E \ Pipe Ø ¾" coil outlet (240 SYS)
P \ Probe socket (240 SYS)
R \ Ricircle Ø ¾" (240 SYS)

Split system heat pump Water Heater

	NUOS SPLIT WH	
	80	110
ENERGY CLASS	A	A
TAPPING PROFILE	M	M
TYPE	split	
CONNECTIVITY	-	
INTERNAL UNIT ASSEMBLY	Wall-hung	
OPERATING RANGE AIR (°C)	-5/42	
MAX WATER TEMPERATURE (WITH/ WITHOUT HEATING ELEMENTS) (°C)	62/75	
COP*	2,4	2,37
SEASONAL EFFICIENCY %*	99,9	99,4
HEATING TIME IN HEAT PUMP (hh:mm)*	02:39	03:49
INTEGRATED HEATING ELEMENTS (kW)	1,2	
INTEGRATED COILS	-	
SOUND POWER (dB)	U.I. 15 U.E. 57	
OPERATING MODES	Boost, Boost 2, Auto, Voyage	
SILENCE FUNCTION	-	
PHOTOVOLTAIC FUNCTION	-	
CODE	3623242	3623243
PAGE	48	

* Air temperature 14°C, water temperature from 10°C or 15°C to set point.

NUOS SPLIT INVERTER Wi-Fi WH		NUOS SPLIT INVERTER Wi-Fi FS
150*	200*	270*
A+	**A+**	**A+**
L	**L**	**XL**
split		split
integrated		integrated
Wall-hung		Floor standing
-10/42		-10/42
62/75		62/75
3,65	3,62	3,84
150	149	157
03:36	04:52	06:39
1,0 + 1,5		1,0 + 1,5
-		-
U.I. 15 U.E. 56		U.I. 15 U.E. 56
Green, Comfort, Fast, Boost, i-Memory, Holiday		Green, Comfort, Fast, Boost, i-Memory, Holiday
Yes		yes
Yes		yes
3069755	3069756	3069757
50		52

Nuos Split WH

Split Wall-hung heat pump for domestic hot water production

- / High performances and sustainability: environmental friendly heat pump mode to achieve 62°C.
- / Security and durability: Condenser wrapped around titanium enamelled steel boiler, not immersed in water.

Energy Class

A

Features

- / Operating range in heat pump mode with air temperature from -5 to 42°C
- / Active anode Protech + magnesium anode
- / Low noise outdoor unit
- / LCD display
- / Modes: auto, boost, boost 2, voyage
- / Antilegionella
- / Tank intended for indoor installation

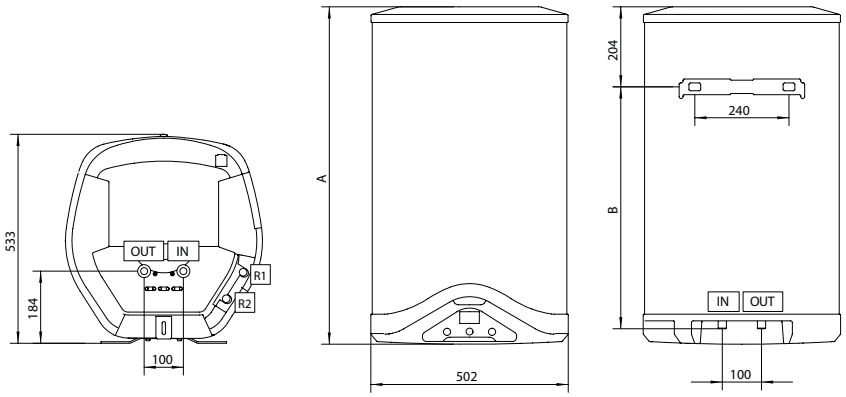
TECHNICAL DATA		80	110
COP [A]		2,4	2,37
COP [B]		2,04	2,03
Heating time [A]	hh:mm	02:39	03:49
Min/max air temperature	°C	-5/42	-5/42
Max water temperature heat pump only mode	°C	62/75	62/75
Sound power U.I. [D]	dB(A)	15	15
Sound power U.E. [D]	dB(A)	57	57
Average electrical power consumption in heat pump mode	W	510	510
Nominal storage tank capacity	l	80	110
Max operating pressure	bar	8	8
Voltage/Max. power consumption	V/W	220-240/1950	220-240/1950
Heating element power	W	1200	1200
Empty weight	kg	32	38
Electrical system protection grade	IP	IP24	IP24
Insulation thickness	mm	41	41
Water connections diameter	"	1/2 M	1/2 M
Min Temperature of storage tank room	°C	1	1
Heat dispersion (Pes) [B]	W	20	24
Annual energy consumption (average climate) [C]	kWh/year	606	604
Seasonal efficiency [C]	%	85	84,8
V40 (Qty of mixed DHW at 40°C) [C]	l	99	139
OUTDOOR UNIT			
Refrigerant circuit connections diameter		1/4 - 3/8 with bell end	1/4 - 3/8 with bell end
Empty weight	kg	27	
Standard air flow rate	m^3/h	1100	
Max pressure in the refrigerating circuit (Low p side)	bar	12	
Max pressure in refrigerating circuit (High p side)	bar	27	
Electrical system protection grade	IP	IP24	
Max distance between storage tank and outdoor unit	m	8	
Max diff in level between storage tank and outdoor unit	m	3	
F-GAS DATA			
Refrigerant type		R-134a	R-134a
Refrigerant charge	g	700	700
GWP		1430	1430
CO2 equivalents	t	1,001	1,001
CODE (storage tank + outdoor unit)			
ErP		3623242	3623243
Energy class		A	A
Tapping profile		M	M
Storage tank code		3623244	3623245
Outdoor unit code		3623246	3623246

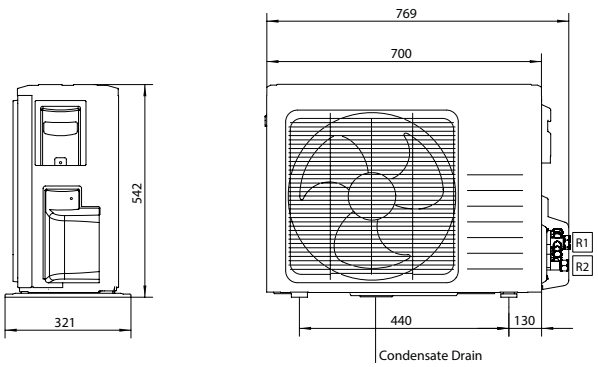
[A] Values obtained with 14°C outdoor air temperature and 87% relative humidity, 10°C inlet water temperature and 55°C set temperature (EN 16147). Ducted product Ø150 rigid.
[B] Values obtained with external air temperature of 7°C and relative humidity at 87%, inlet water temperature of 10°C and set temperature of 55°C (according to the provisions set forth in EN 16147)
[C] Values obtained with external air temperature of 7°C and relative humidity at 87%, inlet water temperature of 10°C and set temperature of 55°C (according to the provisions set forth in 2014/C 207/03 - transitional methods of measurement and calculation).
[D] Values obtained from average results of three tests carried out with external air temperature of 7°C and relative humidity at 87%, inlet water temperature of 10°C and temperature set according to the provisions set forth in 2014/C 207/03 - transitional methods of measurement and calculation and EN 12102)

The capacity indicated in this catalogue identifies the product category. The effective capacity of the product is given in the relevant technical documentation provided with the product.

ENERGY EFFICIENT | ANTI-CORROSION | ANTI-LEGIONELLA | ANTI-FREEZING | SUPER SILENT

Dimensions	80	110
A mm	860	1085
B mm	617	842





KEY
IN \ Cold water inlet G 1/2”
OUT \ Hot water outlet G 1/2”

A \ Gas inlet G 1/4”
B \ Gas outlet G 3/8”

Nuos Split Inverter Wi-Fi WH

Split Wall-hung heat pump for domestic hot water production with inverter technology and connectivity

- / Simplified control via smarphone with Aqua Ariston NET app
- / High performances and sustainability: environmental friendly heat pump mode to achieve 62°C.
- / Security and durability: Condenser wrapped around titanium enamelled steel boiler, not immersed in water.

Energy Class

A+

Features

- / Operating range in heat pump mode with air temperature from -10 to 42°C
- / Active anode Protech + magnesium anode
- / Dual power steatite electrical heating element
- / Photovoltaic function
- / Low noise outdoor unit
- / LCD touch display
- / Modes: green, comfort, fast, boost, i-memory, holiday
- / Time scheduling
- / Antilegionella
- / Various modes
- / Tank intended for indoor installation

* Check if local product code is enabled for connectivity

TECHNICAL DATA		150	200
COP [A]		3,65	3,62
COP [B]		3,25	3,25
Heating time [A]	hh:mm	03:36	04:57
Min/max air temperature	°C	-10/42	-10/42
Max water temperature heat pump only mode	°C	62/75	62/75
Sound power U.I. [D]	dB(A)	15	15
Sound power U.E. [D]	dB(A)	56	56
Average electrical power consumption in heat pump mode	W	700	700
Nominal storage tank capacity	l	150	200
Max operating pressure	bar	6	6
Voltage/Max. power consumption	V/W	220-240/2500	220-240/2500
Heating element power	W	1500 + 1000	1500 + 1000
Empty weight	kg	60	65
Electrical system protection grade	IP	IP24	IP24
Insulation thickness	mm	55	55
Water connections diameter	"	G 3/4 M	G 3/4 M
Min Temperature of storage tank room	°C	1	1
Heat dispersion (Pes) [B]	W	17	21
Annual energy consumption (average climate) [C]	kWh/year	766	761
Seasonal efficiency [C]	%	133,6	134,4
V40 (Qty of mixed DHW at 40°C) [C]	l	182	253
OUTDOOR UNIT			
Refrigerant circuit connections diameter		1/4 & 3/8 flare type	1/4 & 3/8 flare type
Empty weight	kg	32	32
Standard air flow rate	m^3/h	1300	1300
Max pressure in the refrigerating circuit (Low p side)	bar	12	12
Max pressure in refrigerating circuit (High p side)	bar	27	27
Electrical system protection grade	IP	IP4X/IP24	IP4X/IP24
Max distance between storage tank and outdoor unit (with/without gas)	m	12/20	12/20
Max diff in level between storage tank and outdoor unit	m	10 positive/10 negative[E]	
Addition of gas required	g/m		
Min diff in level between storage tank and indoor unit	m^2	2	2
F-GAS DATA			
Refrigerant type		R134a	R134a
Refrigerant charge	g	1100	1100
GWP		1430	1430
CO2 equivalents	t	1,573	1,573
CODE (storage tank + outdoor unit)			
		3069755	3069756
Energy class		A+	A+
Tapping profile		L	L
Storage tank code		3069749	3069750
Outdoor unit code		3629070	3629070

[A] Values obtained with 14°C outdoor air temperature and 87% relative humidity, 10°C inlet water temperature and 53°C set temperature (EN 16147). Ducted product Ø150 rigid.
[B] Values obtained with outdoor air temperature of 7°C and relative humidity of 87%, inlet water temperature of 10°C and temperature set at 53°C (as per the provisions in EN 16147 and CDC 103-15/C-2018).
[C] Values obtained with external air temperature of 7°C and relative humidity at 87%, inlet water temperature of 10°C and set temperature of 55°C (according to the provisions set forth in 2014/C 207/03 - transitional methods of measurement and calculation).
[D] Values obtained from average results of three tests carried out with external air temperature of 7°C and relative humidity at 87%, inlet water temperature of 10°C and temperatureset according to the provisions set forth in 2014/C 207/03 - transitional methods of measurement and calculation and EN 12102)
[E] Positive: outdoor unit at a level below that of the indoor unit. Negative: outdoor unit at a level higher than that of the indoor unit. In case of a negative difference, mount a trap every 4 m of height difference. For further information, please consult the instruction manual.

The capacity indicated in this catalogue identifies the product category. The effective capacity of the product is given in the relevant technical documentation provided with the product.

INVERTER

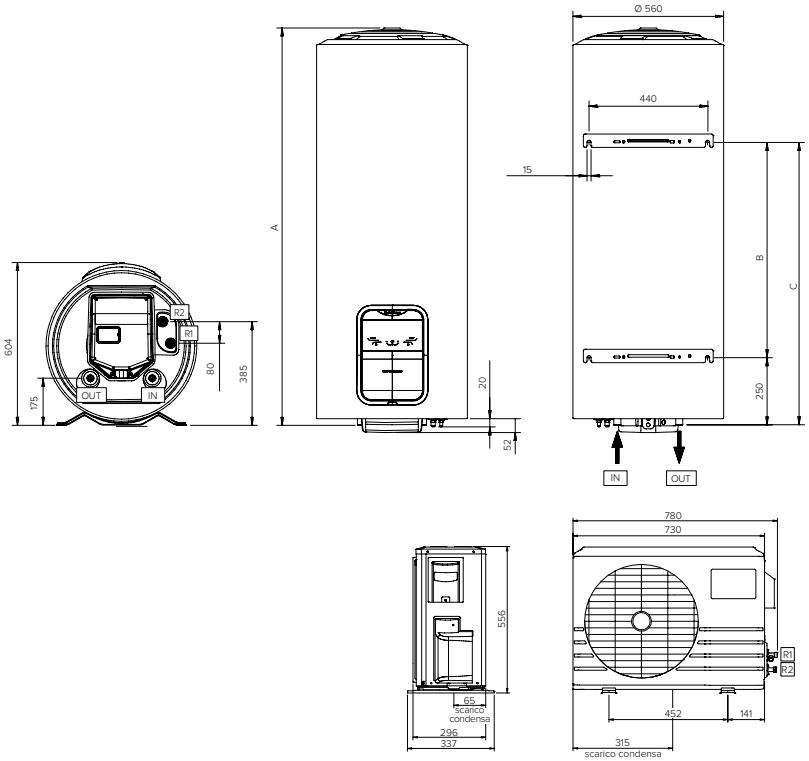
ENERGY EFFICIENT

ANTI-CORROSION

SUPER SILENT

INTEGRATION WITH PHOTOVOLTAIC SYSTEM

Dimensions	150	200
A mm	1150	1476
B mm	500	800
C mm	750	1050



KEY
IN \ Cold water inlet G 3/4”
OUT \ UHot water outlet G 3/4”

R1 \ Gas connection G 1/4”
R2 \ Gas connection G 3/8”

In case of a weak wall, the tripod support must be used. Code : 3078042

Nuos Split Inverter Wi-Fi FS

Split floor standing heat pump for domestic hot water production with inverter technology and connectivity

- / Simplified control via smarphone with Aqua Ariston NET app
- / High performances and sustainability: environmental friendly heat pump mode to achieve 62°C.
- / Security and durability: Condenser wrapped around titanium enamelled steel boiler, not immersed in water.

Energy Class

A+

Features

- / Operating range in heat pump mode with air temperature from -10 to 42°C
- / Active anode Protech + magnesium anode
- / Dual power steatite electrical heating element
- / Photovoltaic function
- / Low noise outdoor unit
- / LCD touch display
- / Modes: green, comfort, fast, boost, i- memory, holiday
- / Time scheduling
- / Antilegionella
- / Various modes
- / Tank intended for indoor installation

* Check if local product code is enabled for connectivity

TECHNICAL DATA		270
COP(A)		3,84
COP(B)		3,53
Heating time(A)	hh:mm	06:39
Min/max air temperature	°C	-10/42
Max water temperature heat pump only mode	°C	62/75
Sound power U.I.(D)	dB(A)	15
Sound power U.E.(D)	dB(A)	56
Average electrical power consumption in heat pump mode	W	700
Nominal storage tank capacity	l	270
Max operating pressure	bar	6
Voltage/Max. power consumption	V/W	220-240/2500
Heating element power	W	1500 + 1000
Empty weight	kg	76
Electrical system protection grade	IP	IP24
Insulation thickness	mm	50
Water connections diameter	"	G 3/4 M
Min Temperature of storage tank room	°C	1
Heat dispersion (Pes)(B)	W	22
Annual energy consumption (average climate)(C)	kWh/year	1160
Seasonal efficiency(C)	%	144,4
OUTDOOR UNIT		
Refrigerant circuit connections diameter		1/4 & 3/8 flare type
Empty weight	kg	32
Standard air flow rate	m3/h	1300
Max pressure in the refrigerating circuit (Low p side)	bar	12
Max pressure in refrigerating circuit (High p side)	bar	27
Electrical system protection grade	IP	IP4X/IP24
Max distance between storage tank and outdoor unit (with/without gas)	m	12/20
Max diff in level between storage tank and outdoor unit	m	10 positive/10 negative[E]
Addition of gas required	g/m	25
Min diff in level between storage tank and indoor unit		2
F-GAS DATA		
Refrigerant type		R134a
Refrigerant charge	g	1100
GWP		1430
CO2 equivalents	t	1,573

CODE (storage tank + outdoor unit)

ErP		3069757
	Energy class	A+
	Tapping profile	XL
	Storage tank code	3069751
	Outdoor unit code	3629070

[A] Values obtained with 14°C outdoor air temperature and 87% relative humidity, 10°C inlet water temperature and 53°C set temperature (EN 16147). Ducted product Ø150 rigid.
[B] Values obtained with outdoor air temperature of 7°C and relative humidity of 87%, inlet water temperature of 10°C and temperature set at 53°C (as per the provisions in EN 16147 and CDC 103-15/C-2018).
[C] Values obtained with external air temperature of 7°C and relative humidity at 87%, inlet water temperature of 10°C and set temperature of 55°C (according to the provisions set forth in 2014/C 207/03 - transitional methods of measurement and calculation).
[D] Values obtained from average results of three tests carried out with external air temperature of 7°C and relative humidity at 87%, inlet water temperature of 10°C and temperature set according to the provisions set forth in 2014/C 207/03 - transitional methods of measurement and calculation and EN 12102)
[E] Positive: outdoor unit at a level below that of the indoor unit. Negative: outdoor unit at a level higher than that of the indoor unit. In case of a negative difference, mount a trap every 4 m of height difference. For further information, please consult the instruction manual.

The capacity indicated in this catalogue identifies the product category. The effective capacity of the product is given in the relevant technical documentation provided with the product.

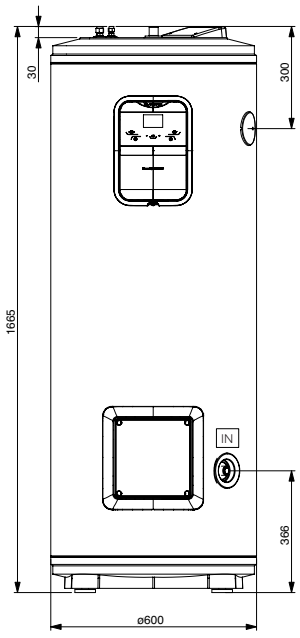
INVERTER

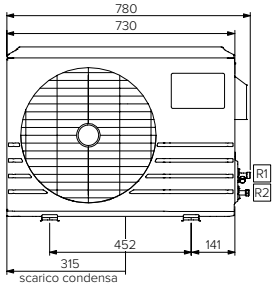
ENERGY EFFICIENT

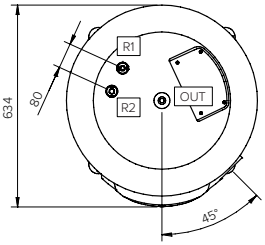
ANTI-CORROSION

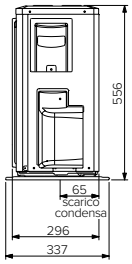
SUPER SILENT

INTEGRATION WITH PHOTOVOLTAIC SYSTEM









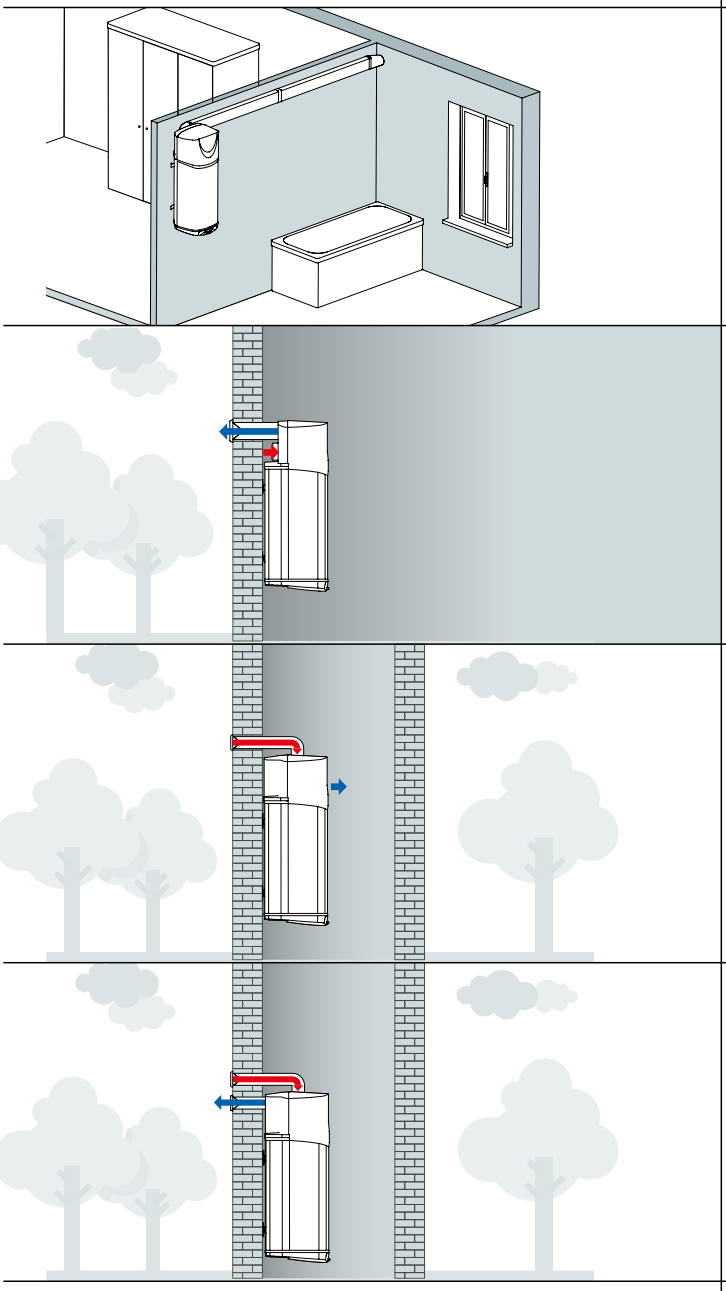
KEY
IN \ Cold water inlet G 3/4”
OUT \ Hot water outlet G 3/4”

R1 \ Gas connection G 1/4”
R2 \ Gas connection G 3/8”

Monoblock models: air canalization options

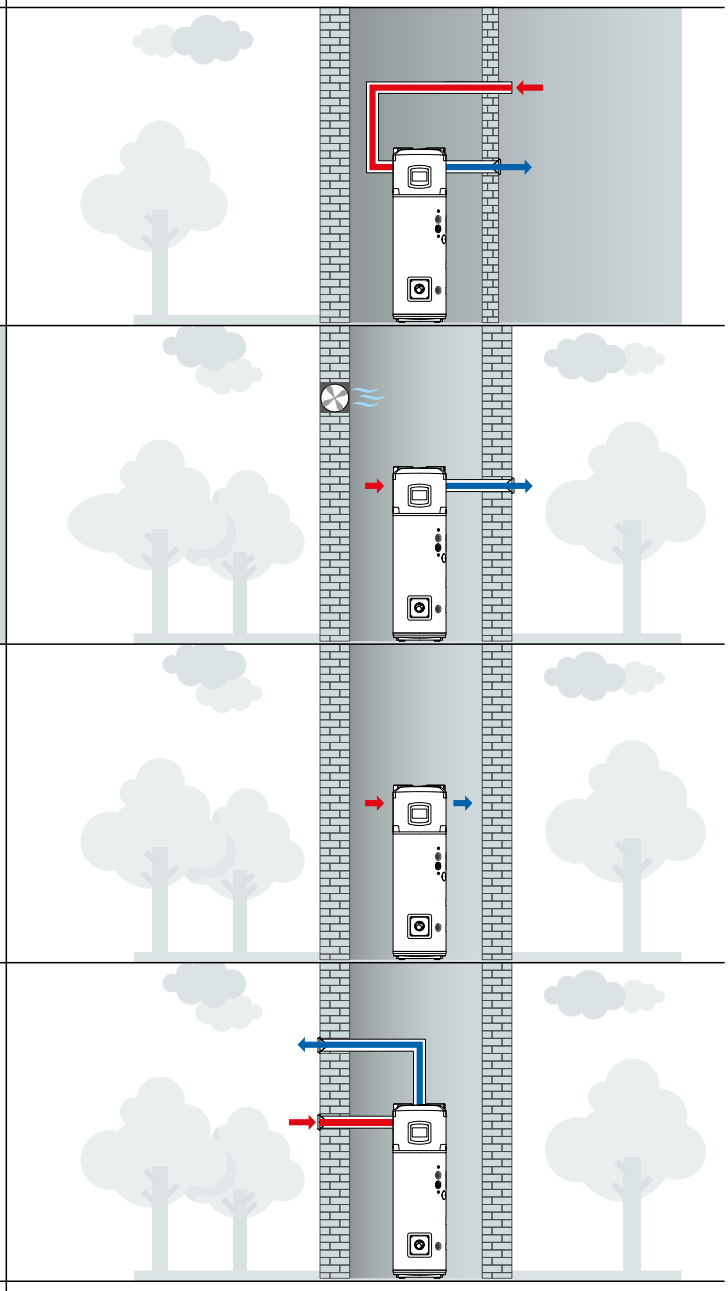
The air can be ducted both on the inlet and on the outlet sides to channel the flow appropriately according to the various situations.
The NUOS range features numerous air accessories to fulfill any installation requirements.

WALL-HUNG MONOBLOCK NUOS EVO A+, NUOS PRIMO



Maximum duct linear lenght of 10 m (duct ø 125 mm) (NUOS PRIMO) e 12m (NUOS EVO A+)

FLOOR-STANDING MONOBLOCK NUOS PLUS Wi-Fi, NUOS PRIMO HC

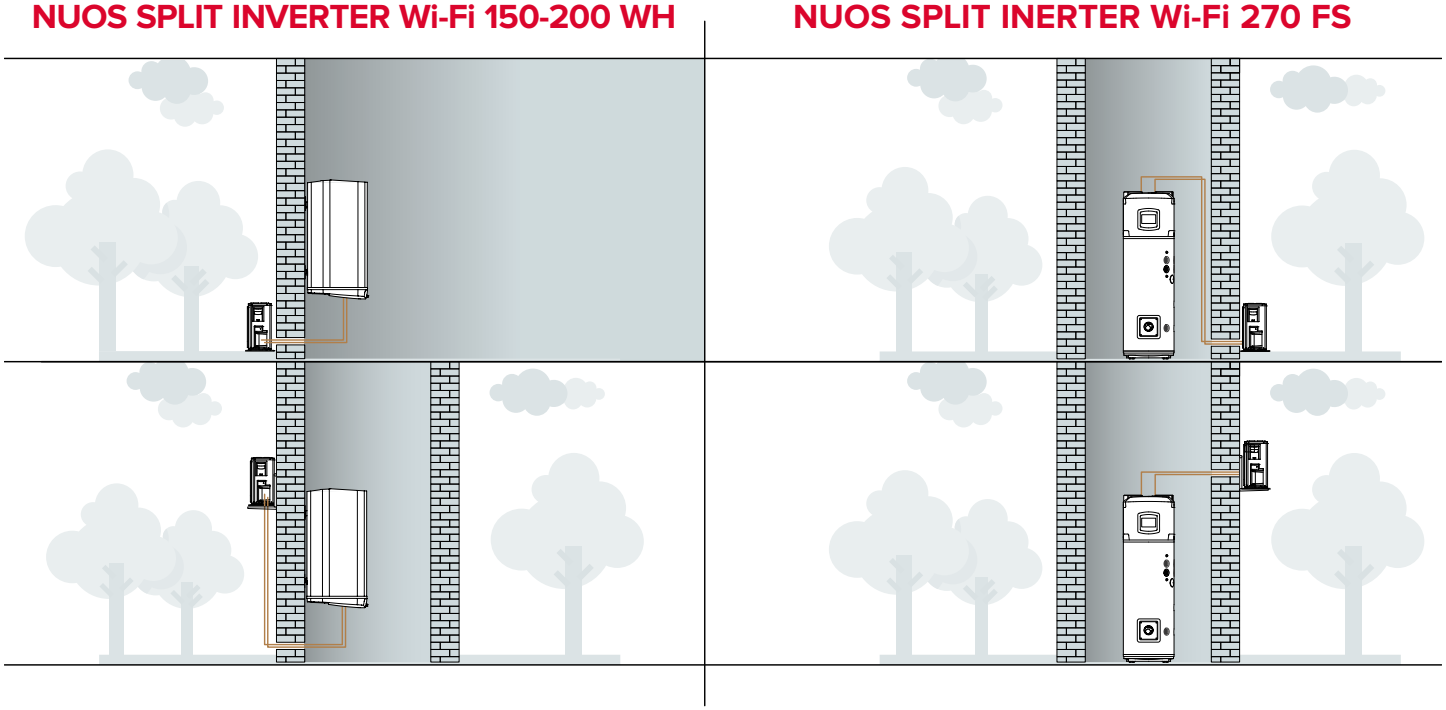


Maximum linear duct lenght of 14m (duct ø 150mm) and 45 m (duct ø 200mm) (NUOS PLUS Wi-Fi) e 8m (NUOS PRIMO HC)

Split models: installation options

WALL-HUNG SPLIT 80-110 WH, NUOS SPLIT INVERTER Wi-Fi 150-200 WH

FLOOR-STANDING SPLIT NUOS SPLIT INERTER Wi-Fi 270 FS



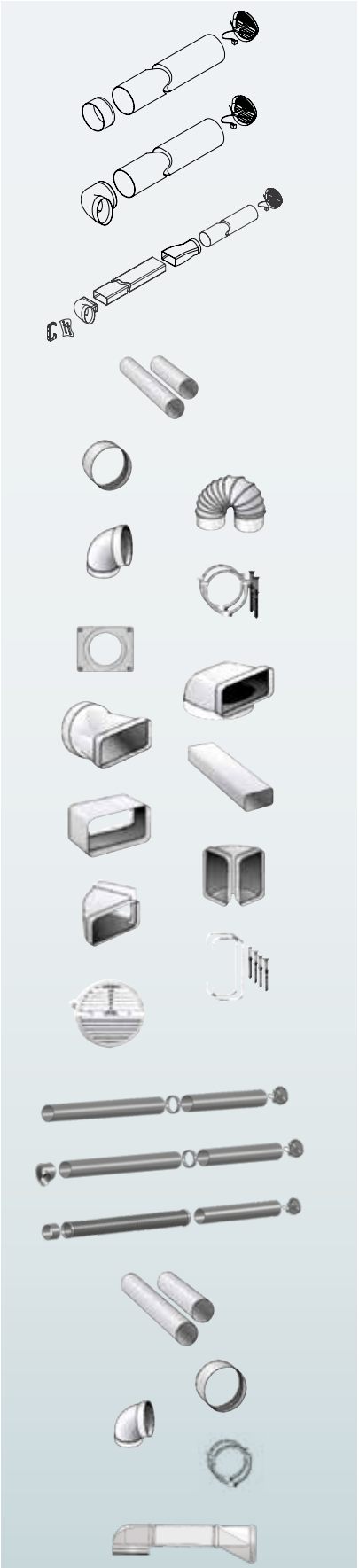
For NUOS SPLIT 80-110 WH:
- Max. linear distance 8 m between the storage tank and the eternal unit.
- Max. height difference 3 m between the storage tank and the externalunit.

For NUOS SPLIT INVERTER Wi-Fi 150-200-270 models:
- It is possible to add a refrigerant gas. In this case, the maximum distance between the indoor and outdoor units goes from 12 to 20 m
- Maximum linear distance of 12 m between the storage tank and the outdoor unit with the refrigerant charge supplied as a standard feature
- Minimum distance equal to 2 m
- Maximum height difference between the two units equal to 10 m (positive)* or 10 m (negative)**

* Positive: outdoor unit at a level below that of the indoor unit.
** Negative: outdoor unit at a level higher than that of the indoor unit.
In case of a negative difference, mount a trap every 4 m of height difference. For further information, please consult the instruction manual.

Nuos range accessories

Canalization ø 125 mm	Code	EVO A+	SPLIT 80-110	SPLIT INV. Wi-Fi	PRIMO	PRIMO HC	PLUS Wi-Fi
PERIMETER WALL NUOS AIR KIT Kit made by: ABSconnection for pipe ø 125mm; 1 m.l. PVC round pipe ø 125 mm and flexible grates with ø 186 mm springs and hole from ø100 to 160 mm; 15mm thickness.	3208052				•		
PERIMETER WALL NUOS AIR KIT Kit made by: ABS elbow for pipe ø 125 mm; 1 m.l. PVC round pipe ø 125 mm and flexible grates with ø 186 mm springs and hole from ø 100 mm to 160 mm; 15 mm thickness.	3208092	•					
INNER WALL NUOS AIR KIT Kit made by: ABS vertical elbow from ø 125 mm to rectangular mm 150x70; 1,5 m.l. PVC rectangular pipe 150x70 mm; ABS horizontal connection from ø 125 mm to rectangular 150x170 mm; 1 m.l. PVC round pipe ø 125 mm; flexible grates with ø 186 mm springs and hole from ø 100 to 160 mm; 15 mm thickness and 2 wall brackets for pipe 150 x 70 mm with screws 5 x 45 and nylon plugs.	3208053	•			•		
PVC pipe ø125 mm and 1,5 m.l. length	3208036	•			•		
PVC pipe ø125 mm and 1,5 m.l. length	3208037	•			•		
ABS connection for ø 125 mm round pipe	3208038	•			•		
Flexible connection ø 125 mm	3208039	•			•		
ABS 90° elbow f.f. ø 125 mm	3208040	•			•		
Wall brackets for pipe ø 125 mm with screws 5x45 and nylon plugs	3208041	•			•		
ABS cover 190x160 mm for round pipes ø 100- 125	3208049	•			•		
ABS vertical elbow from ø 125 mm to rectangular 150x70 mm	3208042	•			•		
ABS horizontal connection from Ø 125 mm to rectangular 150x70 mm	3208043	•			•		
PVC rectangular pipe 150x70mm and 1,5m.l. length	3208044	•			•		
ABS connection for rectangular pipe 150x70 mm	3208045	•			•		
ABS vertical elbow for rectangular pipe 150 x 70 mm	3208046	•			•		
ABS horizontal elbow for rectangular pipe 150 x 70 mm	3208047	•			•		
2 wall brackets for pipe 150 x 70 mm with screws 5 x 45 and nylon plugs	3208048	•			•		
Flexible grates with ø 186 mm springs, hole from ø 100 to 160 mm, 15 mm thickness	3208050	•			•	•	•
Canalization ø150 mm	**Code**	**EVO A+**	**SPLIT 80-110**	**SPLIT INV. Wi-Fi**	**PRIMO**	**PRIMO HC**	**PLUS Wi-Fi**
AIR KIT WITH RIGID PIPE Ø150 (2,5M) The kit consists of flexible grate with springs, two rigid pipes (1 and 1,5 m) and aconnector.	3208061					•	•
AIR KIT WITH RIGID PIPE Ø150 (2,5M) The kit consists of flexible grate with springs, two rigid pipes (1 and 1,5 m), a connector and an elbow.	3208093	•					
AIR KIT WITH RIGID PIPE Ø150 (2,5M) The kit consists of flexible grate with springs, two rigid pipes (1 and 1,5 m), a connector and an elbow.	3208062					•	•
Pipe ø150 1 m	3208063	•				•	•
Pipe ø150 1,5 m	3208064	•				•	•
Pipe ø150 0,1m	3208065	•				•	•
Connection ø150	3208066	•				•	•
90° elbow ø150	3208067	•				•	•
2 wall brackets for pipe ø150	3208068	•				•	•
Flexible pipe ø150 1 m	3208069	•				•	•
Air duct kit for low ceilings (2 pcs)	3078167					•	



Insulated canalization ø160 mm	Code	EVO A+	SPLIT 80-110	SPLIT INV. Wi-Fi	PRIMO	PRIMO HC	PLUS Wi-Fi
INSULATED CANALIZATION KIT Insulated canalization kit Ø 160mm. Expanded polyethylene insulation. Consisting of: - 4 insulated pipes Ø 160mm 1m - 2 insulated wall pipes Ø 160mm 0.5m - 2 90° insulated elbow bends Ø 160mm - 4 joints Ø 160mm - 2 grids for insulated pipes Ø 160mm	3078088						•
Insulated pipe 1m Ø 160mm	3078090						•
Insulated pipe 0,5m Ø 160mm	3078091						•
Insulated pipe 0,5m Ø 160mm	3078089						•
Insulated joint Ø 160	3078093						•
Insulated 90 ° elbow bend Ø 160	3078092						•
Grid for insulated pipes Ø 160	3078094						•
Canalization ø200 mm	**Code**	**EVO A+**	**SPLIT 80-110**	**SPLIT INV. Wi-Fi**	**PRIMO**	**PRIMO HC**	**PLUS Wi-Fi**
AIR KIT WITH RIGID PIPE Ø200 The kit consists of flexible grate with springs, two rigid pipes (1 and 2 m) and a connector.	3208071					•	•
Pipe ø200 1m	3208072					•	•
Pipe ø200 2m	3208073					•	•
Connection ø200	3208074					•	•
90° elbow ø200	3208075					•	•
45° elbow ø200	3208076					•	•
2 wall brackets for pipe ø200	3208077					•	•
Flexible grate with springs ø165-200	3208078					•	•
Silencer ø200	3208085					•	•
Installation accessories	**Code**	**EVO A+**	**SPLIT 80-110**	**SPLIT INV. Wi-Fi**	**PRIMO**	**PRIMO HC**	**PLUS Wi-Fi**
Safety hydraulic group ½”	877084	•	•		•		
Safety hydraulic group ¾”	877085			•		•	•
Siphon 1”	877086	•	•	•	•	•	•
External unit wall support	704101		•	•			
External unit floor support	3380020		•	•			
Tripod support	3078042			• (150-200)			
Support for installation of Heat Pump Water Heaters 80-110-150 NEW	3629069	•	•				

Electric storage water heaters

Advanced technologies meet increasingly intelligent performances
and unmatched energy savings. By using different energy sources, Ariston storage water heaters will ensure hot water comfort to all your family.

- Lydos Hybrid Wi-Fi
- Velis Wi-Fi
- New Lydos range
- Andris range

The electric storage water heater range designed to provide
The maximum saving and total comfort

LYDOS HYBRID Wi-Fi
/ Maximum Saving and comfort

VELIS Wi-Fi
/ Performances and style

ENERGY CLASS
A

LYDOS PLUS Wi-Fi
/ Exclusive Design

PRO1 ECO
/ ECO EVO function
for high energy saving

PRO 1 R
/ With external temperature setting

Electric storage water heaters medium capacity

	LYDOS HYBRID Wi-Fi		LYDOS HYBRID	
	80	100	80	100
ENERGY CLASS	**A** savings of 50% vs a class B		**A** savings of 50% vs a class B	
TAPPING PROFILE	**M**		**M**	
POWER (kW)	1,2		1,2	
CONNECTIVITY	integrated		-	
INSTALLATION	Wall-hung Vertical		Wall-hung Vertical	
HEATING TIME ΔT 45°C (hh:mm)	Depending on the mode selected		Depending on the mode selected	
SMART DISPLAY	Yes		Yes	
ENAMELLING	Titanium		Titanium	
PHASE	Single-phase		Single-phase	
HEATING ELEMENT	Enamelled incoloy alloy		Enamelled incoloy alloy	
ANODE	Active+magnesium		Active+magnesium	
COMFORT MODES	I-Memory, Boost, Green, Program, Shower ready, Electronic		I-Memory, Boost, Green, Program, Shower ready, Electronic	
TEMP CONTROL	Electronic		Electronic	
COMMERCIAL CODE	3629064	3629065	3629052	3629053
PAGE	68		69	

VELIS Wi-Fi			VELIS EVO		
50	80	100	50	80	100
B			B		
M			M		
1,5			1,5		
integrated			-		
Wall-hung Vertical/Horizontal			Wall-hung Vertical/Horizontal		
01:43	02:37	03:19	01:30	02:15	02:50
Yes			Yes		
Titanium			Titanium		
Single-Phase			Single-Phase		
Enamelled incoloy alloy			Enamelled incoloy alloy		
Magnesium (x2)			Magnesium (x2)		
Eco Evo, Shower Ready, Connectivity			Eco Evo, Shower Ready, Electronic		
Electronic			Electronic		
3626323	3626324	3626325	3626145	3626146	3626147
74			75		

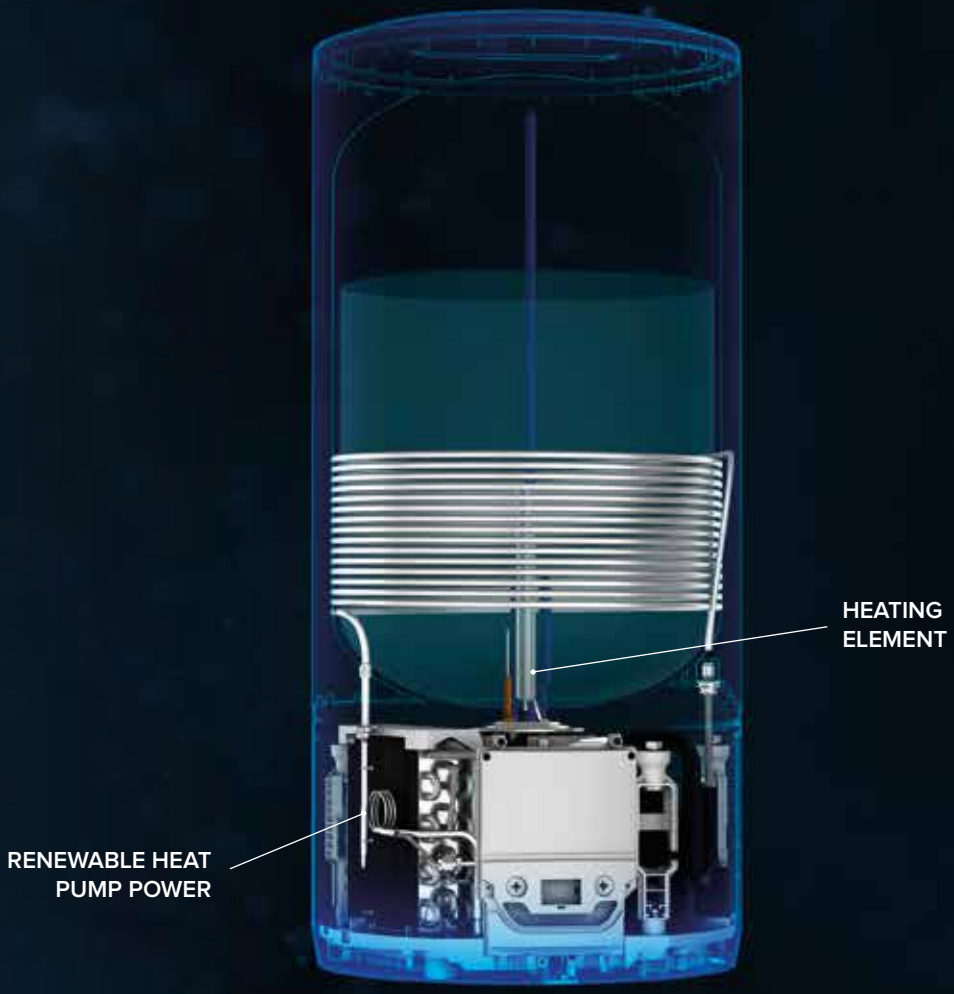
Lydos hybrid Wi-Fi

The first electric water heater with hybrid technology in energy class A

Everyday hot water costs you half

With 50% of energy saving compared to the most efficient standard electric water heaters in Class B, the new Hybrid Intelligence combines electric and renewable heat pump energy to adapt to the use habits.

Hybrid technology
Double energy at once



The exclusive hybrid technology provides extraordinary performances thanks to the combined use of two power sources, electricity and renewable heat pump energy.

The power of electricity

The electric heating element intervenes in the production of hot water when quick heating is required, thanks to the enamelled heating element and the high-resistance tank.

The efficiency of renewable heat pump

The heat pump extracts heat from the air in the surrounding environment, through a thermodynamic cycle and a refrigerant fluid allowing the transfer of heat from air to water.

Hybrid intelligence

I-Memory for complete management of hybrid technology

By learning from your habits, the innovative **i-Memory software** efficiently manages the **Hybrid technology**, choosing the most convenient option between **electric and renewable heat pump energy**.

/ It balances the electric and the renewable heat pump powers of the Hybrid technology.
/ It ensures always the hot water you need exactly when you need it by memorizing your hot water usage for four weeks and adjusting it from time to time based on your habits.

Superior **comfort**

Quick and easy hot water supply for all types of needs

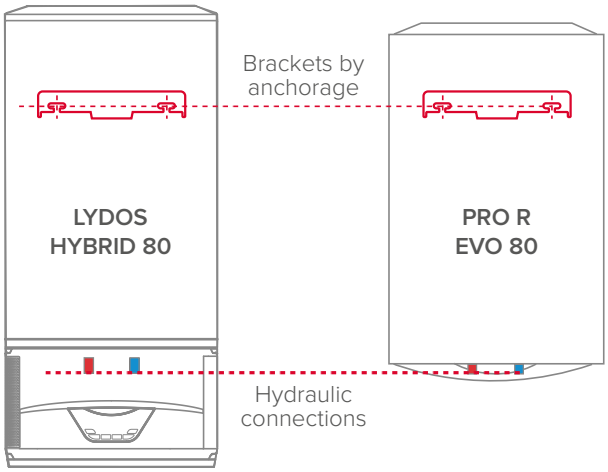
Hot water supply for the **first shower gets 15%* faster** compared to other standard electric water heaters. When the first shower is available, the **Shower Ready** icon lights up. Whenever needed, the water heating's speed and power can be increased using the **Boost function**.

* Internal lab tests

Multi-position

Perfect adaptability

Designed to allow a perfect match with the installation requirements of a standard electric water heater for a quick and easy set up.



/ No extra works required, with the compatibility of fixing brakets and pipes af a standard electric water heater installed at home.

/ Hydraulic connections are completely hidden inside the product's structure.

Energy **Class A**

Save 1000 € N 5 years*

	ENERGY CONSUMPTION	ANNUAL COST	COST IN 5 YEARS
Water heaters in Class D	**5,02** kWh/day	**403€** annual	**2.015€**
Lydos Hybrid	**2,16** kWh/day	**173€** annual	**865€**

	ANNUAL	IN 5 YEARS
SAVINGS WITH LYDOS HYBRID	**~ 200€**	**~ 1.000€**

* Total energy savings calculated with respect to a class D water heater, on the basis of the average annual energy consumption of a 3-person household (evaluation based on the Study on the VHK Eco-Design of Water Heaters), with daily load profile M (according to EN16147), 0,22 €/kWh electricity tariff and product installed in a room with an average annual temperature of 20°C.

Lydos Hybrid Wi-Fi

ENERGY EFFICIENT | i-MEMORY | ANTI-LEGIONELLA | EASY INSTALLATION | ITALIAN DESIGN | TITANIUM PLUS | DISPLAY ECO

The first smart electric water heater in A class

- / Incredible energy saving: -50% compared to a class B water heater
- / Simplified control via smartphone with Aqua Ariston NET app.

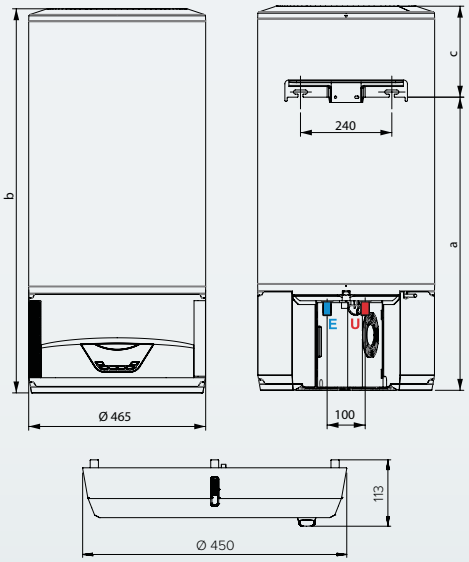
Energy Class

A

Features

- / Active + magnesium anode
- / Heating elements enamelled with incoloy, a noise-reducing and anti corrosion nickel allloy
- / Easy to install
- / Concealed hydraulic connections
- / Accessory condensate collection tray avaialble

* Check if local product code is enabled for connectivity



KEY
E \ 1/2" M cold water inlet
U \ 1/2" domestic hot water outlet

TECHNICAL DATA		80	100
Nominal Capacity	l	80	100
Power	kW	1,2	1,2
Average electrical power consumption	kW	0,19	0,19
Max. electrical power consumption	kW	1,42	1,42
Voltage	V	220-240	220-240
i-Memory heating time (ΔT=43°C)	hh:mm	05:25	07:03
Boost heating time (ΔT=43°C)	hh:mm	02:34	03:13
Green heating time (ΔT=43°C)	hh:mm	09:21	12:18
Maximum operating pressure	bar	8,0	8,0
Min/max air temperature	°C	12/40	12/40
Sound power	dB	49	49
Diameter of condensate drain	mm	127	127
Weight	kg	37,5	44
Protection	IP	X4	X4
Type of refrigerant		R134a	R134a
Refrigerant charge	g	180	200
GWP		1430	1430
CO2 equivalents	t	0,257	0,286
DIMENSIONS			
a	mm	770	922
b	mm	1009	1153
c	mm	239	231
CODE			
ErP		3629064	3629065
Energy class		A	A
Tapping profile		M	M

ACCESSORIES	CODE
Condensation drip water tray	3629055

NOTE: The Nominal capacity listed in this catalogue identifies the product category. The actual product capacity is listed in the relative technical documentation.

Lydos Hybrid

ENERGY EFFICIENT | i-MEMORY | ANTI-LEGIONELLA | EASY INSTALLATION | ITALIAN DESIGN | TITANIUM PLUS | DISPLAY ECO

The first electric water heater in A class

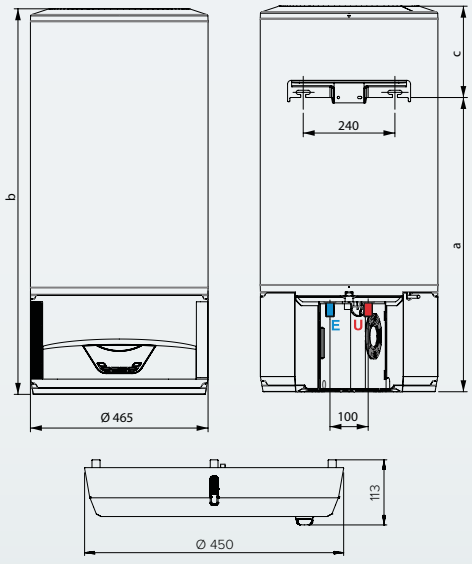
/ Incredible energy saving: -50% compared to a class B water heater

Energy Class

A

Features

/ Active + magnesium anode
/ Heating elements enamelled with incoloy, a noise-reducing and anti corrosion nickel allloy
/ Easy to install
/ Concealed hydraulic connections
/ Accessory condensate collection tray avaialble



KEY
E \ 1/2" M cold water inlet
U \ 1/2" domestic hot water outlet

TECHNICAL DATA		80	100
Nominal Capacity	l	80	100
Power	kW	1,2	1,2
Average electrical power consumption	kW	0,19	0,19
Max. electrical power consumption	kW	1,42	1,42
Voltage	V	220 -240	219 -240
i-Memory heating time (ΔT=43°C)	h:min	05:25	07:03
Boost heating time (ΔT=43°C)	h:min	02:34	03:13
Green heating time (ΔT=43°C)	h:min	09:21	12:18
Maximum operating pressure	bar	8	8
Min/max air temperature	°C	10/40	10/40
Sound power	dB	49	49
Diameter of condensate drain	mm	127	127
Weight	kg	37,5	44
Protection	IP	X4	X4
Type of refrigerant		R134a	R134a
Refrigerant charge	g	180	200
GWP		1430	1430
CO2	t	0,257	0,286
OVERALL DIMENSIONS			
a	mm	784	934
b	mm	1009	1153
c	mm	225	219

CODE

ErP		3629052	3629053
	Energy class	A	A
	Tapping profile	M	M

ACCESSORIES	CODE
Condensation drip water tray	3629055

NOTE: The Nominal capacity listed in this catalogue identifies the product category.
The actual product capacity is listed in the relative technical documentation.

Velis Wi-Fi
Hot water in record time

High-quality materials, flat shape and modern sleek lines enclosing the most advanced technologies in the sector. Thanks to the ability to deliver hot water in just 50 minutes, **Velis Evo Wi-Fi** is the perfect water heater for whoever wants an amazing product on every level, management included. With a simple tap on your smartphone, the Ariston NET app allows you to remotely switch on the water heater, know the amount of hot water available and monitor its temperature level.

Designed by Umberto Palermo, Velis Evo Wi-Fi embodies **the essence of Italian design**, and will fit snugly into any bathroom as a real piece of furniture.


Wi-Fi

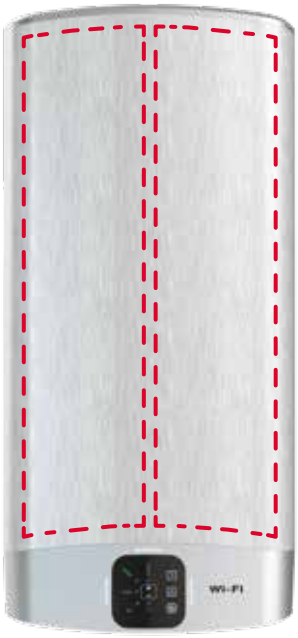
Double Tank technology

Hot shower is ready quicker

The innovative **Double Tank Technology** heats water faster than a standard round water heater. Each tank is equipped with a specific heating element and can therefore be heated independently, thus ensuring the ideal amount of hot water ready to use.

This particular technology allows you to have hot water for your first shower **in just 50 minutes***. Moreover, this water heating system ensures maximum silence.

* With reference to a 40 l shower at 40°C and inlet water temperature at 10°C.



Dry Heating technology

Additional safety

Thanks to the **Dry Heating Technology****, heating elements are encased in dedicated tubes to avoid direct contact with water. This provides additional safety against short-circuit and increased protection against limescale thus allowing a simple and quick replacement of heating element without draining the tank.

ECO EVO function

The hot water you need when you need it

The innovative **Eco Evo function powered by CoreTECH** memorizes your daily habits to give you hot water only when you need, thus allowing you to save energy and reduce costs.

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

Aqua Ariston NET App

Smartly connected to you

The Ariston Net App keeps track of your water use habits in order to ensure that only the needed amount of energy is used, thus saving electricity and lowering your electric bill. **By connecting the product to the Wi-Fi and using the App, you can save energy up to 25%***. to monitor your consumption and save energy, daily, monthly or annual energy consumption reports expressed in kWh are available for consultations.

FREE DOWNLOAD

Download Aqua Ariston NET App now for free from:

Download on the App Store | ANDROID APP ON Google play

Blue Tech touch display

It’s all in the screen

The smart blue tech touch screen display provides detailed information on:

Showers available

Velis WI-FI clearly shows the water temperature on the display, while the number of showers can be viewed in the app.

ECO EVO function

High energy saving is achieved thanks to the self-adaptive function ECO EVO, which can be easily activated on the control panel.

Wi-Fi connection

Wi-fi can be activated by simply touching the dedicated button. Connecting your water heater with your smartphone is very easy.

Multi-position

Vertical and horizontal installation

Elegant and versatile, Velis Evo can be installed both horizontally and vertically. The display will fit with both configurations.

Velis Wi-Fi

ECO EVO FUNCTION | DISPLAY ECO | SHOWER READY | TITANIUM PLUS | FLAT | MULTIPOSITION

Flat and elegantly designed smart electric water heater

- / Superior design to match your home: exclusive italian design, flat form factor and multiposition installation
- / Simplified control via smartphone with Aqua Ariston NET app.
- / Increase energy saving: up to 14% thanks to ECO EVO function which learn habits and optimize production

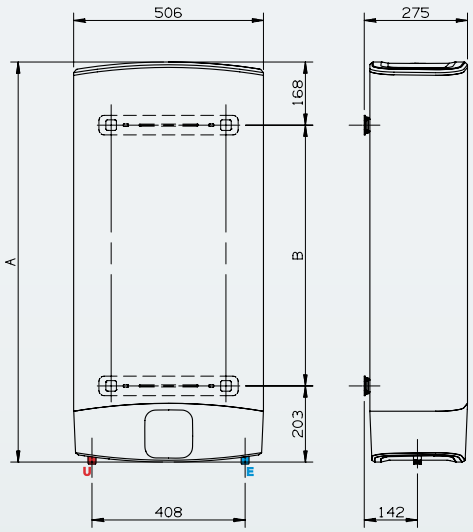
Energy Class

B

Features

- / Digital temperature regulation
- / Daily programming, shower ready and ECO-EVO function.
- / Titanium glasslines inner tank tested at 16 bar
- / Enamelled heating element and two magnesium anode
- / Only 27 cm deep
- / Metal brushed panel
- / Soft touch display

* Check if local product code is enabled for connectivity



KEY
E \ Cold water inlet G 1/2”
U \ Hot water outlet G 1/2”

TECHNICAL DATA		50	80	100
Nominal Capacity	l	50	80	100
Installation		Multiposition (V/H)	Multiposition (V/H)	Multiposition (V/H)
Power	kW	1,5	1,5	1,5
Voltage	V	230	230	230
Heating time (ΔT=45°C)	hh:mm	01:43	02:37	03:19
Max working pressure	bar	8	8	8
Max working temperature	°C	80	80	80
Weight	kg	21,7	28,3	32,2
Water protection	IP	X4	X4	X4
DIMENSIONS				
a	mm	776	1066	1251
b	mm	405	695	880
CODE				
ErP		3626323	3626324	3626325
	Energy class	B	B	B
	Tapping profile	M	M	M

NOTE: The Nominal capacity listed in this catalogue identifies the product category. The actual product capacity is listed in the relative technical documentation.

Velis Evo

ECO EVO FUNCTION | DISPLAY ECO | SHOWER READY | TITANIUM PLUS | FLAT | MULTIPOSITION

Flat and elegantly designed electric water heater

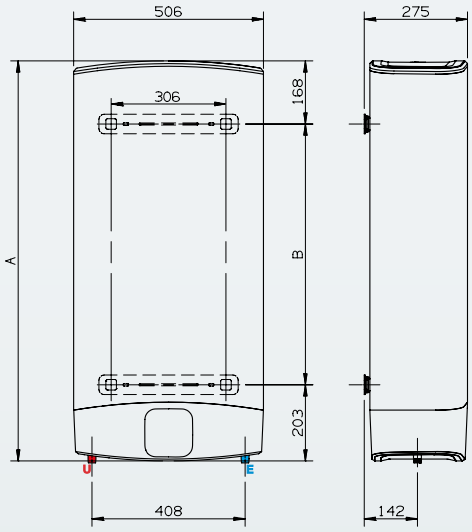
/ Superior design to match your home: exclusive italian design, flat form factor and multiposition installation
/ Increase energy saving: up to 14% thanks to ECO EVO function which learn habits and optimize production

Energy Class

B

Features

/ Digital temperature regulation
/ Shower ready and ECO-EVO function.
/ Titanium glasslines inner tank tested at 16 bar
/ Enamelled heating element and two magnesium anode
/ Only 27 cm deep
/ LED display



KEY
E \ Cold water inlet G 1/2"
U \ Hot water outlet G 1/2"

TECHNICAL DATA		50	80	100
Nominal Capacity	l	50	80	100
Installation		Multiposition (V/H)	Multiposition (V/H)	Multiposition (V/H)
Power	kW	1,5	1,5	1,5
Voltage	V	230	230	230
Heating Time (ΔT=45°C)	hh:mm	01:30	02:15	02:50
Time needed for 1st Shower	min	50	50	50
Max working pressure	bar	8	8	8
Max operating temperature	°C	80	80	80
Weight	kg	22	28	32
Water protection	IP	X4	X4	X4
DIMENSIONS				
a	mm	776	1066	1251
b	mm	405	695	880
c	mm	506	506	506

*Temperature set at 65°C

CODE

		3626145	3626146	3626147
	Energy class	B	B	B
	Tapping profile	M	M	M

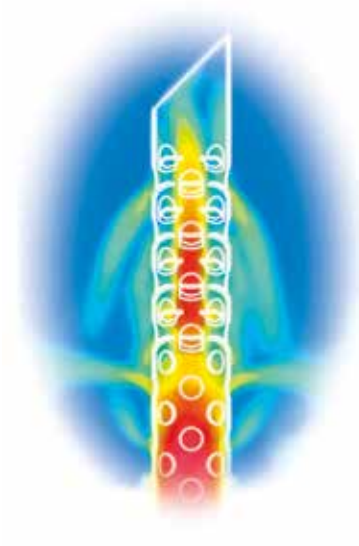
NOTE: The Nominal capacity listed in this catalogue identifies the product category. The actual product capacity is listed in the relative technical documentation.

Lydos range

The brand new hot water experience

WaterPlus technology

Enjoy the comfort of an extra hot shower



The ground-breaking patented **WaterPlus technology** keeps the incoming cold water at the bottom of the tank, thus r**educing the mix of cold and stored hot water**.

This allows up to **16% more hot water available***, to let you enjoy the comfort of an extra hot shower anytime you want.

ECO EVO function

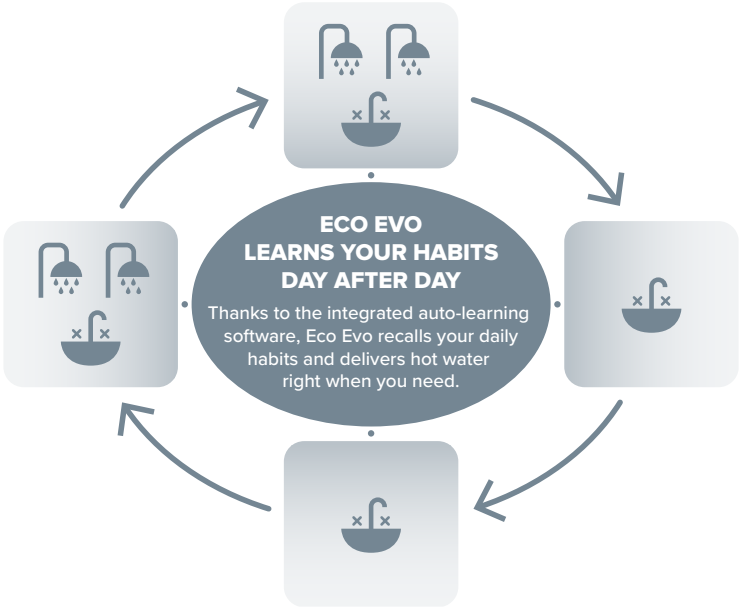
The hot water you want, anytime

The innovative **Eco Evo function powered by CoreTECH** memorizes your daily habits to give you hot water only when you need, thus allowing you to save energy and reduce costs.

Maximum saving at home

Operating in compliance with top standards on energy efficiency within the electric water heating category, Eco Evo function is so smart that it learns from your habits and recalls when and how much hot water you use.

This spares you pointless waste, enabling you to **save up to 259 kWh per year**** and ensuring a 14% saving on your electric bill.



T-MAX

Hot water quickly

Thanks to the new functions **T-MAX** and **Shower Ready** it is possible to speed up the production of hot water and visualize the number of hot shower on the display***.

* Maximum estimated saving, depending on models. Comparison made using V40 test results at maximum operating temperature between current ATG products and new ATG products equipped with WaterPlus Technology.
** Estimated savings vs traditional electrical water heater based on the average European net demand of hot water (2007 VHK Ecodesign WH study). Savings change depending on product's capacity. Referred to B Class products.
*** Visualization of the number of showers available in real time only for Lydos Plus (on the digital display) and Lydos Wi-Fi (on the App).

Titanshield technology

Every day like the first day

Ariston has been always committed to developing products that last through time. For this reason, the water heater is equipped with the exclusive **TitanShield**, Ariston's double action technology that offers best tank protection with **titanium enameling** and **enhanced magnesium anode**.

Strong protection against corrosion

The inner surface of the tank is coated with a **titanium enamel**, while the **magnesium anode** prevents corrosion of the tank's inner surface and prolongs the life of your water heater.

Mineral barrier against limescale

Thanks to its unique properties, titanium naturally produces a dioxide film that **prevents limescale forming** on the inner surface of the tank.

Total **Safety**

Safe at all times

The **Absolute safety system** is a set of functions preserving the good functioning of the product in case of energy or water failures.

The safety package includes:

- **Anti overheating**: in the event of an error, the high-precision electronic thermostat will shut off the heating cycle, thus **avoiding risk of burning out** due to overheating the element.
- **Anti freezing**: in cold areas, frozen water can damage the water heater severely. This function keeps the water at a **minimum temperature of 5°C** even when the unit is turned off.
- **Dry heating auto-diagnosys**: should there be a **lack of water in the tank**, the water heater is able to **detect** this **and prevents the heating cycle** from starting and damaging the unit.
- **Anti legionella**: once a month, the unit will automatically raise the temperature of the water stored inside it to 65°C, in order to **eliminate the risk of legionella bacteria developing** and **keep the water heatlhy**.

T-FLEX

Heating power is in your hands

The new **T-FLEX software** optimally **allows to easily change the heating power**.

Whenever needed, it allows to **boost the water heating's speed and power**, or to slow them down.

/ **Multi-power management**: possibility to choose different power of the heating element.

/ **Low power function***: lower the power of the heating element. A perfect solution when limited electrical power is available and for energy saving.

/ **Constant temperature**: precise and constant temperature management.

Italian design

Bring a masterpiece into your home

A contemporary and captivating creation by the Italian designer **Umberto Palermo**. Engineered and manufactured **in Italy** with high quality materials, Lydos will enter your house as a unique interior design piece.

All-round quality

Rounded shape, sleek aesthetic finishes and no visible screws. All enhanced with **new materials** for optimised performance.

User friendly interface

The **advanced hi-tech display** located at the front of the product resembles a smartphone screen and provides easy and fluent interaction together with practical temperature management.

Electric water heaters
Medium capacities




	LYDOS Wi-Fi			LYDOS PLUS			LYDOS ECO			LYDOS R		
	50	80	100	50	80	100	50	80	100	50	80	100
ENERGY CLASS	B			B			B			C		
TAPPING PROFILE	M			M			M			M		L
POWER (KW)	1,8			1,8			1,8*			1,8*		
CONNECTIVITY	integrated			-			-			-		
INSTALLATION	Wall-Hung Vertical			Wall-Hung Vertical			Wall-Hung Vertical			Wall-Hung Vertical		
HEATING TIME (T=45 DEGREE CELSIUS) IN hh:mm	01:27	02:11	02:46	01:27	02:11	02:46	01:27	02:11	02:46	01:27	02:11	02:46
SMART DISPLAY	Yes			Yes			Yes			No		
ENAMELLING	Titanium			Titanium			Titanium			Titanium		
PHASE	Single - Phase			Single-Phase			Single-Phase			Single-Phase		
HEATING ELEMENT	Enameled			Enameled			Copper			Copper		
ANODE	Magnesium			Magnesium			Magnesium			Magnesium		
COMFORT MODES	ECO EVO, Wi-Fi, Number of shower available Programming function Remaining heating time			ECO EVO Number of shower available Holiday mode Programming function Remaining heating time			ECO EVO T-MAX Shower ready			Functioning/heating lamp		
TEMPERATURE CONTROL	Electronic			Electronic			Electronic			Mechanical		
PAGE	83			84			85			86		




PRO1 ECO					PRO1 ECO SLIM					PRO1 R THERMO		PRO1 R			
50	80	100	120	150	30	40	50	65	80	80	100	50	65	80	100
B			C		A	B				C		C			
M			L		S	M				M	L	M			L
1,8*			1,8		1,8					1,8		1,8*	1,8	1,8*	
-					-					-		-			
Wall-Hung Vertical/Horizontal					Wall-Hung Vertical/Horizontal					Wall-Hung Vertical		Wall-Hung Vertical/Horizontal			
01:27	02:11	02:46	03:29	04:22	00:52	01:10	01:27	01:53	02:11	02:11	02:46	01:27	01:53	02:11	02:46
Yes					Yes					No		No			
Titanium					Titanium					Titanium		Titanium			
Single-Phase					Single-Phase					Single-Phase		Single -Phase			
Copper					Copper					Copper		Copper			
Magnesium					Magnesium					Magnesium		Magnesium			
Eco, T- Max Function, Shower Ready					Eco, T- Max Function, Shower Ready					Functioning/heating lamp		Functioning/heating lamp			
Electronic					Electronic					Mechanical		Mechanical			
88					90					91		93			

*Other powers are available and can be found on the product page.

Lydos Wi-Fi

WIFI · WATER PLUS · ECO EVO FUNCTION · ABSOLUTE SAFETY SYSTEM · SHOWER READY · INCOLOY ENAMELED HEATING ELEMENT · TITAN SHIELD · ITALIAN DESIGN

Advanced Smart electric storage water heater

- / High performances: Up to 16% more hot water available with Waterplus technology
- / Increase energy saving: up to 14% thanks to ECO EVO function which learn habits and optimize production
- / Simplified control via smartphone with Aqua Ariston NET app.

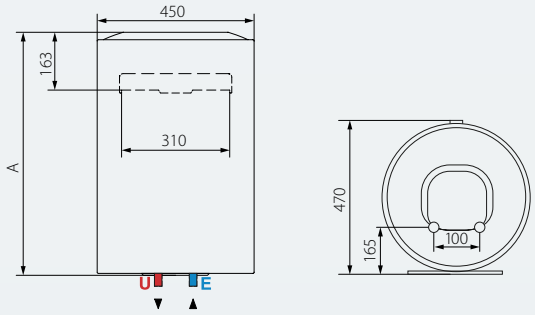
Energy Class

B

Features

- / Daily programming
- / Shower ready and remaining heating time function
- / Oversized magnesium anode
- / Complete ABS safety system

* Check if local product code is enabled for connectivity



KEY
E \ Cold water inlet G 1/2”
U \ Hot water outlet G 1/2”

TECHNICAL DATA		50 V 1,8K EN EU	80 V 1,8K EN EU	100 V 1,8K EN EU
Nominal Capacity	l	50	80	100
Installation		V	V	V
Power	KW	1,8	1,8	1,8
Voltage	V	230	230	230
Heating time ΔT 45°C	hh:mm	01:27	02:11	02:46
Heat dispersion 65°C	KWh/24h	0,99	1,35	1,56
Max working pressure	bar	8	8	8
Max working temp	°C	80	80	80
Weight	Kg	16	20,5	24
Water protection	IP	IPX3	IPX3	IPX3
DIMENSIONS				
A	mm	528	733	885

CODE

ErP		3201986	3201987	3201988
	Energy class	B	B	B
	Tapping profile	M	M	M

NOTE: The Nominal capacity listed in this catalogue identifies the product category. The actual product capacity is listed in the relative technical documentation.

* Patented in Spain, patent pending in IT, FR, TK, RU, CN, VN, UAE
** Maximum estimated saving, depending on models. Comparison made using V40 test results at maximum operating temperature between current ATG products and new ATG products equipped with WaterPlus Technology.
*** Estimated saving up to 25% on daily basis, compared to Ariston standard mechanical product.

Lydos Plus

WATER PLUS · ECO EVO FUNCTION · ABSOLUTE SAFETY SYSTEM · SHOWER READY · TITAN SHIELD · ENERGY EFFICIENT · ITALIAN DESIGN · DIGIT DISPLAY

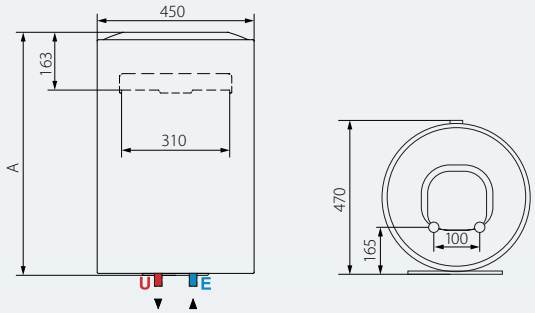
Advanced electric storage water heater

/ High performances: Up to 16% more hot water available with Waterplus technology
/ Increase energy saving: up to 14% thanks to ECO EVO function which learn habits and optimize production

Energy Class

B

Features
/ LCD display
/ Daily programming
/ Shower ready and remaining heating time function
/ Oversized magnesium anode
/ Complete ABS safety system



KEY
E \ Cold water inlet G 1/2”
U \ Hot water outlet G 1/2”

TECHNICAL DATA		50 V 1,8K EN EU	80 V 1,8K EN EU	100 V 1,8K EN EU
Nominal Capacity	L	50	80	100
Installation		V	V	V
Power	KW	1,8	1,8	1,8
Voltage	V	230	230	230
Heating time ΔT 45°C	hh:mm	01:27	02:11	02:46
Heat dispersion 65°C	KWh/24h	0,99	1,35	1,56
Max working pressure	bar	8	8	8
Max working temp	°C	80	80	80
Weight	Kg	16	20,5	24
Water protection	IP	IPX3	IPX3	IPX3
DIMENSIONS				
A	mm	528	733	885

CODE

ErP		3201869	3201870	3201871
	Energy class	B	B	B
	Tapping profile	M	M	M

NOTE: The Nominal capacity listed in this catalogue identifies the product category.
The actual product capacity is listed in the relative technical documentation.

* Patented in Spain, patent pending in IT, FR, TK, RU, CN, VN, UAE
** Maximum estimated saving, depending on models. Comparison made using V40 test results at maximum operating temperature between current ATG products and new ATG products equipped with WaterPlus Technology.

Lydos Eco

WATER PLUS | ECO EVO FUNCTION | ABSOLUTE SAFETY SYSTEM | SHOWER READY | TITAN SHIELD | ENERGY EFFICIENT | ITALIAN DESIGN | LED DISPLAY

Advanced electric storage water heater

/ High performances: Up to 16% more hot water available with Waterplus technology
/ Increase energy saving: up to 14% thanks to ECO EVO function which learn habits and optimize production

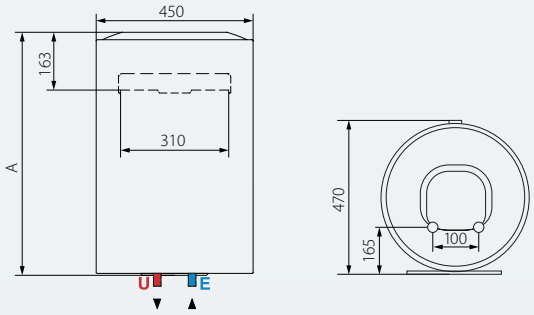
Energy Class

B

Features

/ LED Display
/ Shower ready
/ Oversized magnesium anode
/ Complete ABS safety system

CE



KEY
E \ Cold water inlet G 1/2"
U \ Hot water outlet G 1/2"

1,8 kW - TECHNICAL DATA		50 V 1,8K EU	80 V 1,8K EU	100 V 1,8K EU
Nominal Capacity	L	50	80	100
Installation		V	V	V
Power	KW	1,8	1,8	1,8
Voltage	V	230	230	230
Heating time (T=45 degree celsius)	hh:mm	01:27	02:11	02:46
Heat dispersion at 65 degree celsius	KWh/24h	0,99	1,35	1,56
Max working pressure	bar	8	8	8
Max working temperature	°C	80	80	80
Weight	kg	16	20,5	24
Water protection	IP	IPX3	IPX3	IPX3
DIMENSIONS				
A	mm	528	733	885
CODE				
ErP		3201857	3201858	3201859
Energy class		B	B	B
Tapping profile		M	M	M
With Plug and Cable		3201885	3201887	3201889

2 kW - TECHNICAL DATA		50 V 2K EU	80 V 2K EU	100 V 2K EU
Nominal Capacity	L	50	80	100
Installation		V	V	V
Power	KW	2	2	2
Voltage	V	230	230	230
Heating time (T=45 degree celsius)	hh:mm	01:18	01:58	02:29
Heat dispersion at 65 degree celsius	KWh/24h	0,99	1,35	1,56
Max working pressure	bar	8	8	8
Max working temperature	°C	80	80	80
Weight	kg	16	20,5	24
IP Class	IP	IPX3	IPX3	IPX3
DIMENSIONS				
A	mm	528	733	885
CODE				
ErP		3201860	3201861	3201862
Energy class		B	B	B
Tapping profile		M	M	M

NOTE: The Nominal capacity listed in this catalogue identifies the product category.
The actual product capacity is listed in the relative technical documentation.

* Patented in Spain, patent pending in IT, FR, TK, RU, CN, VN, UAE
** Maximum estimated saving, depending on models. Comparison made using V40 test results at maximum operating temperature between current ATG products and new ATG products equipped with WaterPlus Technology.

Lydos R

High quality electric storage water heater

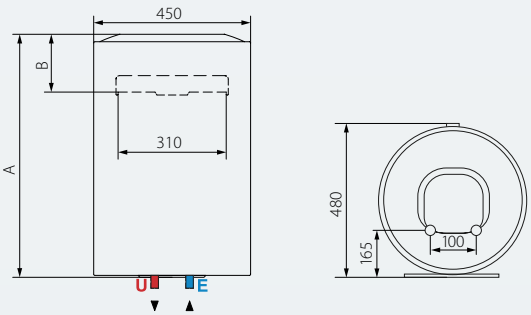
/ High performances: Up to 16% more hot water available with Waterplus technology

Energy Class

C

Features

/ External temperature setting
/ Double safety thermostat
/ Oversized magnesium anode
/ High quality titanium tank
/ Compliant with top ESWH regulations



KEY
E \ Cold water inlet G 1/2”
U \ Hot water outlet G 1/2”

DIMENSIONS

1,5 kW		**LYDOS R 50 V**	**LYDOS R 80 V**	**LYDOS R 100 V**
A	mm	538	743	895
B	mm	163	163	163
1,8 kW		**LYDOS R 50 V 1,8K EU**	**LYDOS R 80 V 1,8K EU**	**LYDOS R 100 V 1,8K EU**
A	mm	568	773	913
B	mm	193	193	181
2 kW		**LYDOS R 50 V 2K EU**	**LYDOS R 80 V 2K EU**	**LYDOS R 100 V 2K EU**
A	mm	568	773	913
B	mm	193	193	181
3 kW		**LYDOS R 50 V 3K EU**	**LYDOS R 80 V 3K EU**	**LYDOS R 100 V 3K EU**
A	mm	568	773	913
B	mm	193	193	181

NOTE: The Nominal capacity listed in this catalogue identifies the product category.
The actual product capacity is listed in the relative technical documentation.

* Patented in Spain, patent pending in IT, FR, TK, RU, CN, VN, UAE
** Maximum estimated saving, depending on models. Comparison made using V40 test results at maximum operating temperature between current ATG products and new ATG products equipped with WaterPlus Technology.

1,5 kW - TECHNICAL DATA		LYDOS R 50 V	LYDOS R 80 V	LYDOS R 100 V
Nominal Capacity	L	50	80	100
Installation		V	V	V
Power	KW	1,5	1,5	1,5
Voltage	V	220-240	220-240	220-240
Heating time (T=45 degree celsius)	hh:mm	01:45	02:37	03:19
Heat dispersion at 65 degree celsius	KWh/24h	0,99	1,35	1,56
Max working pressure	bar	8	8	8
Max working temperature	°C	75	75	75
Weight	kg	16	20,5	24
IP Class	IP	IPX3	IPX3	IPX3
CODE				
		3201860	3201861	3201862

1,8 kW - TECHNICAL DATA		LYDOS R 50 V 1,8K EU	LYDOS R 80 V 1,8K EU	LYDOS R 100 V 1,8K EU
Installation		V	V	V
Nominal Capacity	L	50	80	100
Max working pressure	bar	8	8	8
Power	KW	1,8	1,8	1,8
Voltage	V	230	230	230
IP class	IP	IPX3	IPX3	IPX3
Max working temp	°C	75	75	75
Heat dispersion 65°C	KWh/24h	0,99	1,35	1,56
Heating time ΔT 45C	hh:mm	01:27	02:11	02:46
Weight	Kg	16	20,5	24
CODE				
ErP		3201910	3201911	3201912
Energy class		C	C	C
Tapping profile		M	M	L
With Plug and Cable		3201899	3201902	3201904

2 kW - TECHNICAL DATA		LYDOS R 50 V 2K EU	LYDOS R 80 V 2K EU	LYDOS R 100 V 2K EU
Installation		V	V	V
Nominal Capacity	L	50	80	100
Max working pressure	bar	8	8	8
Power	KW	2	2	2
Voltage	V	230	230	230
IP class	IP	IPX3	IPX3	IPX3
Max working temp	°C	75	75	75
Heat dispersion 65°C	KWh/24h	0,99	1,35	1,56
Heating time ΔT 45C	hh:mm	01:18	01:58	02:29
Weight	Kg	16	20,5	24
CODE				
ErP		3201895	3201896	3201897
Energy class		C	C	C
Tapping profile		M	M	L

3 kW - TECHNICAL DATA		LYDOS R 50 V 3K EU	LYDOS R 80 V 3K EU	LYDOS R 100 V 3K EU
Installation		V	V	V
Nominal Capacity	L	50	80	100
Max working pressure	bar	8	8	8
Power	KW	3	3	3
Voltage	V	230	230	230
IP class	IP	IPX3	IPX3	IPX3
Max working temp	°C	75	75	75
Heat dispersion 65°C	KWh/24h	0,99	1,35	1,56
Heating time ΔT 45C	hh:mm	00:52	01:18	01:39
Weight	Kg	16	20,5	24
CODE				
ErP		3201931	3201932	3201933
Energy class		C	C	C
Tapping profile		M	M	L

Pro1 Eco

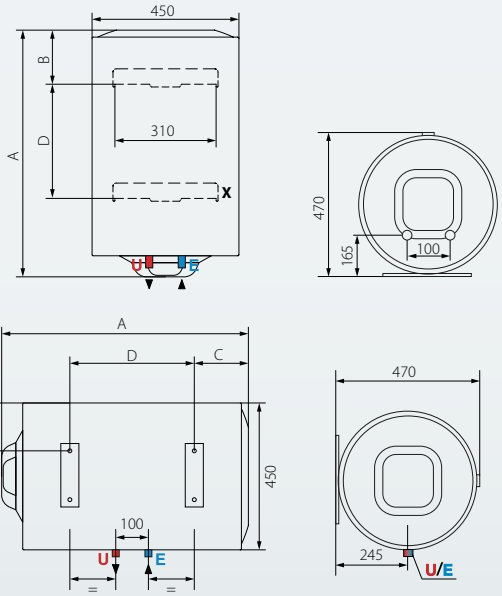
All-round electric storage water heater

/ High performances: Up to 16% more hot water available with Waterplus technology
/ Increase energy saving: up to 14% thanks to ECO EVO function which learn habits and optimize production

Energy Class

B

Features
/ Electronic Display
/ Manual temperature setting
/ Shower ready icon
/ Magnesium anode



KEY
E \ Cold water inlet G 1/2"
U \ Hot water outlet G 1/2"
X \ Additional bottom fixing bracket only for 150 Lt model

DIMENSIONS

1,2 kW		PRO1 ECO 50 H 1,2K
A	mm	553
C	mm	163
D	mm	159

1,5 kW		PRO1 ECO 50 V 1,5K	PRO1 ECO 80 V 1,5K	PRO1 ECO 100 V 1,5K	PRO1 ECO 80 H 1,5K	PRO1 ECO 100 H 1,5K
A	mm	553	758	913	758	913
B	mm	163	163	163	-	-
C	mm	-	-	-	178	178
D	mm	-	-	-	334	486

1,8 kW		PRO1 ECO 50 V 1,8K PL EU	PRO1 ECO 80 V 1,8K PL EU	PRO1 ECO 100 V 1,8K PL EU	PRO1 ECO 120 V 1,8K PL EU	PRO1 ECO 150 V 1,8K PL EU	PRO1 ECO 80 H 1,8K PL EU	PRO1 ECO 100 H 1,8K PL EU
A	mm	553	758	913	1108	1283	758	913
B	mm	163	163	163	166	164	-	-
C	mm	-	-	-	-	-	178	178
D	mm	-	-	-	-	944	334	486

NOTE: The Nominal capacity listed in this catalogue identifies the product category. The actual product capacity is listed in the relative technical documentation.

* Patented in Spain, patent pending in IT, FR, TK, RU, CN, VN, UAE
** Maximum estimated saving, depending on models. Comparison made using V40 test results at maximum operating temperature between current ATG products and new ATG products equipped with WaterPlus Technology.

1,2 - 1,5 kW - TECHNICAL DATA		PRO1 ECO 50 V 1,5K	PRO1 ECO 80 V 1,5K	PRO1 ECO 100 V 1,5K	PRO1 ECO 50 H 1,2K	PRO1 ECO 80 H 1,5K	PRO1 ECO 100 H 1,5K
Installation		V	V	V	H	H	H
Nominal Capacity	L	50	80	100	50	80	100
Max working pressure	bar	8	8	8	8	8	8
Power	KW	1,5	1,5	1,5	1,2	1,5	1,5
Voltage	V	220-240	220-240	220-240	220-240	220-240	220-240
IP class	IP	IPX3	IPX3	IPX3	IPX1	IPX1	IPX1
Max working temp	°C	80	80	80	80	80	80
Heat dispersion 65°C	KWh/24h	0,99	1,35	1,56	1,2	1,48	1,65
Heating time ΔT 45C	hh:mm	01:45	02:37	03:19	02:11	02:37	03:19
Weight	Kg	16	20,5	24	16	20,5	24
CODE							
		3201441	3201442	3201443	3201444	3201445	3201446

1,8 kW - TECHNICAL DATA		PRO1 ECO 50 V 1,8K PL EU	PRO1 ECO 80 V 1,8K PL EU	PRO1 ECO 100 V 1,8K PL EU	PRO1 ECO 120 V 1,8K PL EU	PRO1 ECO 150 V 1,8K PL EU	PRO1 ECO 80 H 1,8K PL EU	PRO1 ECO 100 H 1,8K PL EU
Installation		V	V	V	V	V	H	H
Nominal Capacity	L	50	80	100	120	150	80	100
Max working pressure	bar	8	8	8	8	8	8	8
Power	KW	1,8	1,8	1,8	1,8	1,8	1,8	1,8
Voltage	V	230	230	230	230	230	230	230
IP class	IP	IPX3	IPX3	IPX3	IPX3	IPX3	IPX1	IPX1
Max working temp	°C	80	80	80	80	80	80	80
Heat dispersion 65°C	KWh/24h	0,99	1,35	1,56	1,6	1,65	1,48	1,65
Heating time ΔT 45C	hh:mm	01:27	02:11	02:46	03:29	04:22	02:11	02:46
Weight	Kg	16	20,5	24	27,6	32,4	20,5	24
CODE With Plug and cable								
ErP		3201884	3201886	3201888	3700573	3700574	3201954	3201423
	Energy class	B	B	B	C	C	B	B
	Tapping profile	M	M	M	L	L	M	M

NOTE: The Nominal capacity listed in this catalogue identifies the product category.
The actual product capacity is listed in the relative technical documentation.

Pro1 Eco Slim

WATER PLUS | ECO EVO FUNCTION | ABSOLUTE SAFETY SYSTEM | SHOWER READY | TITAN SHIELD | DISPLAY ECO | HIGH EFFICIENCY INSULATION | ITALIAN DESIGN

Electric storage water heater with slim design

- / Everywhere fitting: slim design
- / High performances: Up to 16% more hot water available with Waterplus technology
- / Increase energy saving: up to 14% thanks to ECO EVO function which learn habits and optimize production

Energy Class

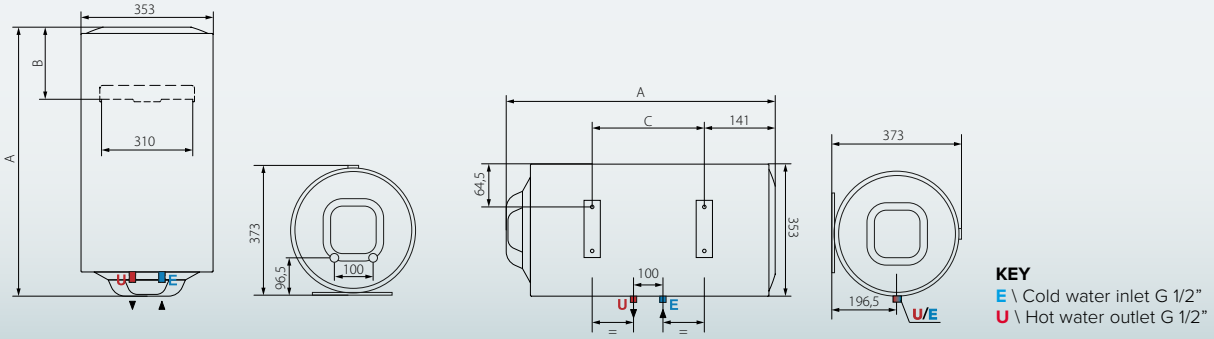
B

Features

- / Electronic Display
- / Manual temperature setting
- / Shower ready icon
- / Magnesium anode

TECHNICAL DATA		PRO1 ECO 30 V SLIM 1,8K PL EU	PRO1 ECO 40 V SLIM 1,8K PL EU	PRO1 ECO 50 V SLIM 1,8K PL EU	PRO1 ECO 65 V SLIM 1,8K PL EU	PRO1 ECO 80 V SLIM 1,8K PL EU	PRO1 ECO 50 H SLIM 1,8K PL EU	PRO1 ECO 65 H SLIM 1,8K PL EU
Installation		V	V	V	V	V	H	H
Nominal Capacity	L	30	40	50	65	80	50	65
Max working pressure	bar	8	8	8	8	8	8	8
Power	KW	1,8	1,8	1,8	1,8	1,8	1,8	1,8
Voltage	V	230	230	230	230	230	230	230
IP class	IP	IPX3	IPX3	IPX3	IPX3	IPX3	IPX1	IPX1
Max working temp	°C	80	80	80	80	80	80	80
Heat dispersion 65°C	KWh/24h	1,14	1,04	1,74	1,96	1,53	1,39	1,43
Heating time ΔT 45C	hh:mm	00:52	01:10	01:27	01:53	02:11	01:27	01:53
Weight	Kg	12	14,1	16,8	18,6	21,5	16,8	18,6
DIMENSIONS								
A	mm	588	719	837	981	1178	837	981
B	mm	145	145	145	145	145	-	-
C	mm	-	-	-	-	-	491	635
CODE With Plug and cable								
ErP		3700508	3700584	3700509	3700510	3700575	3700576	3700585
Energy class		A	B	B	B	B	B	B
Tapping profile		S	M	M	M	M	M	M

NOTE: The Nominal capacity listed in this catalogue identifies the product category. The actual product capacity is listed in the relative technical documentation.
* Patented in Spain, patent pending in IT, FR, TK, RU, CN, VN, UAE
** Maximum estimated saving, depending on models. Comparison made using V40 test results at maximum operating temperature between current ATG products and new ATG products equipped with WaterPlus Technology.



KEY
E \ Cold water inlet G 1/2"
U \ Hot water outlet G 1/2"

Pro1 R Thermo

WATER PLUS | EXTERNAL TEMPERATURE REGULATION | DOUBLE SAFETY THERMOSTAT | TITAN SHIELD | HIGH EFFICIENCY INSULATION | ITALIAN DESIGN

Electric storage water heater with exchange coil

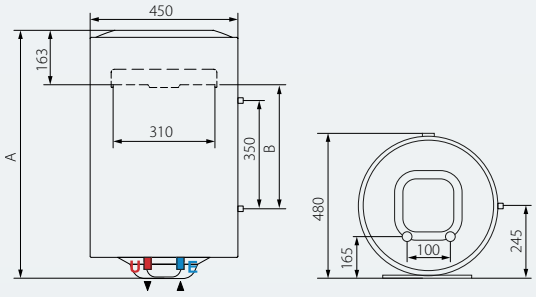
/ High performances: Up to 16% more hot water available with Waterplus technology

Energy Class

C

Features

/ External temperature setting
/ Double safety thermostat
/ Exchange coil for extra integration



KEY
E \ Cold water inlet G 1/2”
U \ Hot water outlet G 1/2”

DIMENSIONS

1,8 kW		PRO1 R 80 VTD 1,8K	PRO1 R 80 VTS 1,8K	PRO1 R 100 VTD 1,8K	PRO1 R 100 VTS 1,8K	PRO1 R 100 VTD 1,8K PL EU
A	mm	748	748	900	900	900
B	mm	370	370	522	522	522

1,8 kW		PRO1 R 80 VTD 1,8K EU	PRO1 R 80 VTS 1,8K EU	PRO1 R 80 VTD 1,8K PL EU	PRO1 R 100 VTD 1,8K EU	PRO1 R 100 VTS 1,8K EU
A	mm	748	748	748	900	900
B	mm	370	370	370	522	522

NOTE: The Nominal capacity listed in this catalogue identifies the product category. The actual product capacity is listed in the relative technical documentation.

* Patented in Spain, patent pending in IT, FR, TK, RU, CN, VN, UAE
** Maximum estimated saving, depending on models. Comparison made using V40 test results at maximum operating temperature between current ATG products and new ATG products equipped with WaterPlus Technology.

Pro1 R Thermo

1,8 kW - TECHNICAL DATA		PRO1 R 80 VTD 1,8K	PRO1 R 80 VTS 1,8K	PRO1 R 100 VTD 1,8K	PRO1 R 100 VTS 1,8K
Nominal Capacity	L	80	80	100	100
Installation		V	V	V	V
Coil pipes		Right	Left	Right	Left
Power	kW	1,8	1,8	1,8	1,8
Voltage	V	230	230	230	230
Heating time (T=45 degree celsius)	hh:mm	02:11	02:11	02:46	02:46
Heat dispersion at 65 degree celsius	KWh/24h	1,51	1,51	1,62	1,62
Max working pressure	bar	8	8	8	8
Max working temperature	°C	75	75	75	75
Weight	kg	23	23	26,5	26,5
IP Class	IP	IPX3	IPX3	IPX3	IPX3
CODE					
		3201814	3201815	3201816	3201817

1,8 kW - TECHNICAL DATA		PRO1 R 80 VTD 1,8K EU	PRO1 R 80 VTS 1,8K EU	PRO1 R 100 VTD 1,8K	PRO1 R 100 VTS 1,8K
Nominal Capacity	L	80	80	100	100
Installation		V	V	V	V
Coil pipes		Right	Left	Right	Left
Power	KW	1,8	1,8	1,8	1,8
Voltage	V	230	230	230	230
Heating time (T=45 degree celsius)	hh:mm	02:11	02:11	02:46	02:46
Heat dispersion at 65 degree celsius	KWh/24h	1,51	1,51	1,62	1,62
Max working pressure	bar	8	8	8	8
Max working temperature	°C	75	75	75	75
Weight PRO1 R VTD 1,8K	kg	23	23	26,5	26,5
Weight PRO1 R VTD 1,8K EU	Kg	21,5	21,5	21,5	
IP Class	IP	IPX3	IPX3	IPX3	IPX3
CODE					
ErP		3201913	3201914	3201915	3201916
Energy class		C	C	C	C
Tapping profile		M	M	L	L
CODE With Plug and Cable		3201908		3201909	

NOTE: The Nominal capacity listed in this catalogue identifies the product category. The actual product capacity is listed in the relative technical documentation.

Pro1 R

WATER PLUS | EXTERNAL TEMPERATURE REGULATION | DOUBLE SAFETY THERMOSTAT | TITAN SHIELD | HIGH EFFICIENCY INSULATION | ITALIAN DESIGN

Electric storage water heater

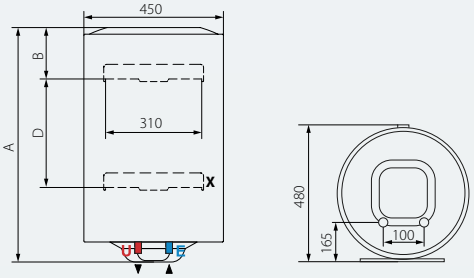
/ High performances: Up to 16% more hot water available with Waterplus technology

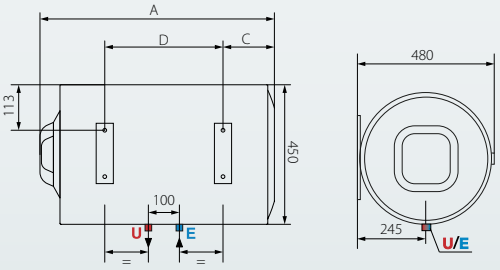
Energy Class

C

Features

/ External temperature setting
/ Double safety thermostat





KEY
E \ Cold water inlet G 1/2"
U \ Hot water outlet G 1/2"
X \ Additional bottom fixing bracket only for 150 Lt model

DIMENSIONS

1,5 kW		PRO1 R 50 V	PRO1 R 80 V	PRO1 R 100 V	PRO1 R 50 H	PRO1 R 80 H	PRO1 R 100 H
A	mm	543	748	900	543	748	900
B	mm	163	163	163	-	-	-
C	mm	-	-	-	163	178	178
D	mm	-	-	-	159	334	486

1,8 kW		PRO1 R 50 V 1,8K PL	PRO1 R 80 V 1,8K PL	PRO1 R 100 V 1,8K PL	PRO1 R 65 V 1,8K PL EU	PRO1 R 80 H 1,8K PL EU	PRO1 R 100 H 1,8K PL EU	PRO1 R 120 V 1,8K PL	PRO1 R 150 V 1,8K PL
A	mm	543	748	900	665	748	900	1108	1283
B	mm	163	163	163	163	-	-	166	164
C	mm	-	-	-	-	178	178	-	-
D	mm	-	-	-	-	334	486	-	944

2 kW		PRO1 R 50 V 2K	PRO1 R 80 V 2K	PRO1 R 100 V 2K	PRO1 R 80 H 2K
A	mm	543	748	900	748
B	mm	163	163	163	-
C	mm	-	-	-	178
D	mm	-	-	-	334

3 kW		PRO1 R 80 H 3K EU	PRO1 R 100 H 3K EU
A	mm	748	900
C	mm	178	178
D	mm	334	486

NOTE: The Nominal capacity listed in this catalogue identifies the product category. The actual product capacity is listed in the relative technical documentation.

* Patented in Spain, patent pending in IT, FR, TK, RU, CN, VN, UAE
** Maximum estimated saving, depending on models. Comparison made using V40 test results at maximum operating temperature between current ATG products and new ATG products equipped with WaterPlus Technology.

Pro1 R

1,2 - 1,5 kW - TECHNICAL DATA		PRO1 R 50 V	PRO1 R 80 V	PRO1 R 100 V	PRO1 R 50 H	PRO1 R 80 H	PRO1 R 100 H
Installation		V	V	V	H	H	H
Nominal Capacity	L	50	80	100	50	80	100
Max working pressure	bar	8	8	8	8	8	8
Power	KW	1,5	1,5	1,5	1,2	1,5	1,5
Voltage	V	220-240	220-240	220-240	220-240	220-240	220-240
IP class	IP	IPX3	IPX3	IPX3	IPX1	IPX1	IPX1
Max working temp	°C	75	75	75	75	75	75
Heat dispersion 65°C	KWh/24h	0,99	1,35	1,56	1,2	1,48	1,65
Heating time ΔT 45C	hh:mm	01:45	02:37	03:19	02:11	02:37	03:19
Weight	Kg	16	20,5	24	16	20,5	24
CODE							
		3201435	3201436	3201437	3201438	3201439	3201440

1,8 kW - TECHNICAL DATA		PRO1 R 50 V 1,8K PL	PRO1 R 65 V 1,8K PL EU	PRO1 R 80 V 1,8K PL	PRO1 R 100 V 1,8K PL	PRO1 R 80 H 1,8K PL EU	PRO1 R 100 H 1,8K PL EU
Nominal Capacity	L	50	65	80	100	80	100
Installation		V	V	V	V	H	H
Power	KW	1,8	1,8	1,8	1,8	1,8	1,8
Voltage	V	230	230	230	230	230	230
Heating time (T=45 degree celsius)	hh:mm	01:27	01:53	02:11	02:46	01:35	01:55
Heat dispersion at 65 degree celsius	KWh/24h	0,99	?	1,35	1,56	1,48	1,65
Max working pressure	bar	8	8	8	8	8	8
Max working temperature	°C	75	75	75	75	75	75
Weight	kg	16	18,5	20,5	24	20,5	24
IP Class	IP	IPX3	IPX3	IPX3	IPX3	IPX1	IPX1
CODE							
ErP							
	Energy class	C	C	C	C	C	C
	Tapping profile	M	M	M	L	M	M
	CODE With Plug and Cable (PL)	3201818		3201819	3201820		
	CODE With Plug and Cable (PL)	3201900	3201901	3201903	3201905	3201906	3201907

2 kW - TECHNICAL DATA		PRO1 R 50 V 2K	PRO1 R 80 V 2K	PRO1 R 100 V 2K	PRO1 R 80 H 2K	PRO1 R 80 H 2K EU
Installation		V	V	V	H	H
Nominal Capacity	L	50	80	100	80	80
Max working pressure	bar	8	8	8	8	8
Power	KW	2	2	2	2	2
Voltage	V	230	230	230	230	230
IP class	IP	IPX3	IPX3	IPX3	IPX1	IPX1
Max working temp	°C	75	75	75	75	75
Heat dispersion 65°C	KWh/24h	0,99	1,35	1,56	1,48	1,48
Heating time ΔT 45C	hh:mm	01:18	01:58	02:29	01:58	01:30
Weight	Kg	16	20,5	24	20,5	20,5

CODE

CODE with Plug and Cable		3201810	3201811	3201812	3201813	
CODE With Plug and Cable						3201898

1,8 kW - TECHNICAL DATA		PRO1 R 80 H 1,8K PL EU	PRO1 R 100 H 1,8K PL EU
Installation		H	H
Nominal Capacity	L	80	100
Max working pressure	bar	8	8
Power	KW	3	3
Voltage	V	230	230
IP class	IP	IPX1	IPX1
Max working temp	°C	75	75
Heat dispersion 65°C	KWh/24h	1,48	1,65
Heating time ΔT 45C	hh:mm	01:00	01:10
Weight	Kg	20,5	24

CODE

	Energy class	C	C
	Tapping profile	M	M
	CODE With Plug and Cable (PL)	3201934	3201935

Electric Storage Water Heaters Dry

	PRO1 ECO DRY			PRO1 ECO MULTIS DRY					PRO1 R DRY		
	50	80	100	30	50	80	100	120	50	80	100
ENERGY CLASS	-			A	B			C	-		
TAPPING PROFILE	-			S	M			L	-		
POWER (kW)	1,8			1,6	1,8				1,5		
INSTALLATION	Wall-hung Vertical			Wall-hung Vertical/Horizontal					Wall-hung Vertical		
HEATING TIME ΔT 45°C (hh:mm)	01:27	02:11	02:46	00:59	01:27	02:11	02:46	03:29	01:42	02:37	03:18
SMART DISPLAY	Yes			Yes					No		
ENAMELLING	Titanium			Titanium					Titanium		
POWER SUPPLY	Single-Phase			Single-Phase					Single-Phase		
HEATING ELEMENT	2 candle			2 candle					1 candle	2 candle	
ANODE	Magnesium			Magnesium					Magnesium		
COMFORT MODES	Eco, T-max, Shower ready			Eco, T- Max Function, Shower Ready					Functioning Heating lamp		
TEMP CONTROL	Elctronic			Electronic					Mechanical		
CODE	3201854	3201855	3201856	3700587	3700588	3201998	3201999	3700586	3201450	3201451	3201452
PAGE	97			98					99		

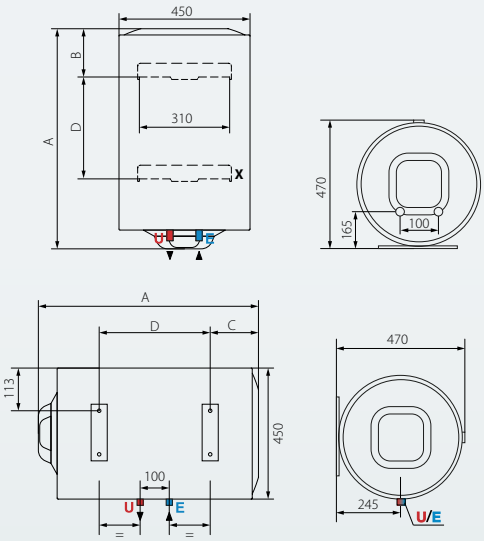
Pro1 Eco Dry

WATER PLUS | ECO EVO FUNCTION | DRY HEATING ELEMENT | ABSOLUTE SAFETY SYSTEM | SHOWER READY | TITAN SHIELD | DISPLAY ECO | HIGH EFFICIENCY INSULATION | ITALIAN DESIGN

Electric storage water heater with dry heating elements

/ Maximum protection against limescale thanks to the dry heating element
/ High performances: Up to 16% more hot water available with Waterplus technology
/ Increase energy saving: up to 14% thanks to ECO EVO function which learn habits and optimize production

Features
/ Electronic Display
/ Manual temperature setting
/ Shower ready icon



KEY
E \ Cold water inlet G 1/2”
U \ Hot water outlet G 1/2”
X \ Additional bottom fixing bracket only for 150 Lt model

TECHNICAL DATA		PRO1 ECO DRY 50	PRO1 ECO DRY 80	PRO1 ECO DRY 100
Nominal Capacity		50	80	100
Installation		Vertical	Vertical	Vertical
Power	kW	1,8	1,8	1,8
Voltage	V	230	230	230
Heating time (Δ T=45°C)	hh:mm	01:27	02:11	02:46
Max woring Pressure	bar	8	8	8
Max working temperature	°C	80	80	80
Weight	kg	16	20,5	24
Class	IP	X3	X3	X3
DIMENSIONS				
a	mm	553	758	917
b	mm	163	163	163
CODE				
		3201854	3201855	3201856

NOTE: The Nominal capacity listed in this catalogue identifies the product category. The actual product capacity is listed in the relative technical documentation.

Pro1 Eco Multis Dry

DRY HEATING ELEMENT | EASY MAINTENANCE | MULTIPOSITION | WATER PLUS | ECO EVO FUNCTION | SHOWER READY | TITAN SHIELD | ITALIAN DESIGN

Electric storage water heater with dry heating elements and multiposition possibility

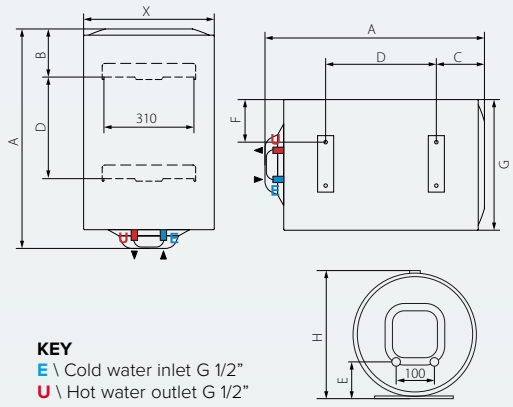
- / Maximum protection against limescale thanks to the dry heating element
- / High performances: Up to 16% more hot water available with Waterplus technology
- / Increase energy saving: up to 14% thanks to ECO EVO function which learn habits and optimize production

Energy Class

UP TO A

Features

- / Electronic Display
- / Manual temperature setting
- / Shower ready icon
- / Horizontal or vertical installation



KEY
E \ Cold water inlet G 1/2"
U \ Hot water outlet G 1/2"

TECHNICAL DATA		PRO1 ECO MULTIS 30 DRY SLIM EU	PRO1 ECO MULTIS 50 DRY SLIM EU	PRO1 ECO MULTIS 80 DRY EU	PRO1 ECO MULTIS 100 DRY EU	PRO1 ECO MULTIS 120 DRY EU
Installation		Multi-position	Multi-position	Multi-position	Multi-position	Multi-position
Nominal Capacity	L	30	50	80	100	120
Max working pressure	bar	8	8	8	8	8
Power	KW	1,6 (800x2)	1,8 (900x2)	1,8 (900x2)	1,8 (900x2)	1,8 (900x2)
Voltage	V	230	230	230	230	230
IP class	IP	IPX1	IPX1	IPX1	IPX1	IPX1
Max working temp	°C	80	80	80	80	80
Heat dispersion 65°C	KWh/24h	1,14	1,74	1,35	1,56	1,6
Heating time ΔT 45C	hh:mm	00:59	01:27	02:11	02:46	03:29
Weight	Kg	12	16,8	20,5	24	27,6
DIMENSIONS						
A	mm	588	837	758	913	1108
B	mm	145	145	163	166	166
C	mm	141	141	174	177	177
D	mm	242	491	335	487	682
E	mm	96,5	96,5	165	165	165
F	mm	64,5	64,5	113	113	113
G	mm	353	353	450	450	450
H	mm	373	373	470	470	470

CODE With Plug and Cable

ErP		3700587	3700588	3201998	3201999	3700586
	Energy class	A	B	B	B	C
	Tapping profile	S	M	M	M	L

NOTE: The Nominal capacity listed in this catalogue identifies the product category.
The actual product capacity is listed in the relative technical documentation.

* Patented in Spain, patent pending in IT, FR, TK, RU, CN, VN, UAE
** Maximum estimated saving, depending on models. Comparison made using V40 test results at maximum operating temperature between current ATG products and new ATG products equipped with WaterPlus Technology.

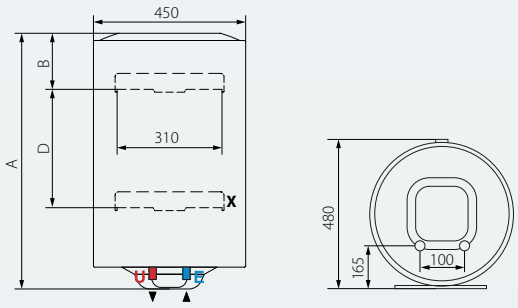
Pro1 R Dry

WATER PLUS | DRY HEATING ELEMENT | EXTERNAL TEMPERATURE REGULATION | DOUBLE SAFETY THERMOSTAT | TITAN SHIELD | HIGH EFFICIENCY INSULATION | ITALIAN DESIGN

Electric storage water heater with Dry heating element

/ Maximum protection against limescale thanks to the dry heating element
/ High performances: Up to 16% more hot water available with Waterplus technology

Features
/ External temperature setting
/ Double safety thermostat
/ Compliant with top ESWH regulations



KEY
E \ Cold water inlet G 1/2"
U \ Hot water outlet G 1/2"
X \ Additional bottom fixing bracket only for 150 Lt model

TECHNICAL DATA		PRO1 R DRY 50	PRO1 R DRY 80	PRO1 R DRY 100
Nominal Capacity		50	80	100
Installation		Vertical	Vertical	Vertical
Power	kW	1,5	1,5	1,5
Voltage	V	230	230	230
Heating time (Δ T=45°C)	hh:mm	01:42	02:37	03:18
Max woring Pressure	bar	8	8	8
Max working temperature	°C	70	70	70
Weight	kg	16	20,5	24
Class	IP	X3	X3	X3
DIMENSIONS				
a	mm	543	748	900
b	mm	163	163	163
CODE				
		3201450	3201451	3201452

NOTE: The Nominal capacity listed in this catalogue identifies the product category. The actual product capacity is listed in the relative technical documentation.

Electric Storage Water Heaters Inox

	PRO1 ECO INOX		
	50	80	100
ENERGY CLASS	-		
TAPPING PROFILE	-		
POWER (kW)	1,5/2/2,5		
INSTALLATION	Wall-hung Vertical		
HEATING TIME (T=45 DEGREE CELSIUS, AT 1,5 kW) IN hh:mm	01:45	02:37	03:19
SMART DISPLAY	Yes		
ENAMELLING	No		
POWER SUPPLY	Single-Phase		
HEATING ELEMENT	Copper		
ANODE	Magnesium		
COMFORT MODES	Eco Evo, Fast , Boost		
TEMPERATURE CONTROL	Electronic		
COMMERCIAL CODE	3700547	3700548	3700549
PAGE	102		

PRO1 R INOX		
50	80	100
-		
-		
1,5		
Wall-hung Vertical		
01:45	02:37	03:19
No		
No		
Single-Phase		
Copper		
Magnessium		
Functioning Heating lamp		
Mechanical		
3700561	3700562	3700563
103		

Pro1 Eco Inox

ECO EVO FUNCTION

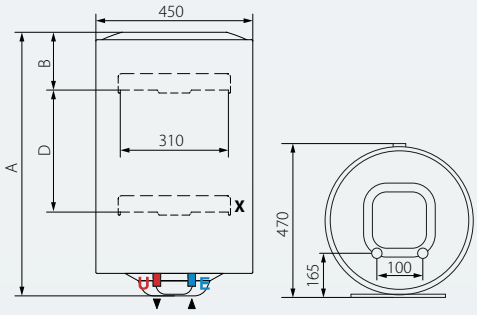
SAFETY PACKAGE

DISPLAY ECO

Electric storage water heater with stainless steel tank

/ Everlasting durability with stainless steel INOX tank
/ High performances: Up to 16% more hot water available with Waterplus technology
/ Increase energy saving: up to 14% thanks to ECO EVO function which learn habits and optimize production

Features
/ Electronic Display
/ Manual temperature setting
/ Shower ready icon
/ ABS safety package



KEY
E \ Cold water inlet G 1/2"
U \ Hot water outlet G 1/2"
X \ Additional bottom fixing bracket only for 150 Lt model

TECHNICAL DATA		PRO1 ECO INOX 50	PRO1 ECO INOX 80	PRO1 ECO INOX 100
Nominal Capacity		50	80	100
Installation		Vertical	Vertical	Vertical
Power	kW	1,5/2/2,5	1,5/2/2,5	1,5/2/2,5
Voltage	V	230	230	230
Heating time (Δ T=45°C) at 1,5 kW	hh:mm	01:45	02:37	03:19
Max woring Pressure	bar	8	8	8
Max working temperature	°C	80	80	80
Weight	kg	12	14,8	17,6
Class	IP	X3	X3	X3
DIMENSIONS				
a	mm	553	758	913
b	mm	163	163	163
CODE				
		3700547	3700548	3700549

NOTE: The Nominal capacity listed in this catalogue identifies the product category. The actual product capacity is listed in the relative technical documentation.

Pro1 R Inox

SAFETY PACKAGE

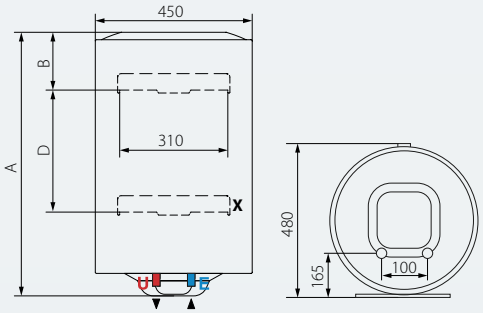
EXTERNAL TEMPERATURE REGULATION

Electric storage water heater with stainless steel tank

/ Everlasting durability with stainless steel INOX tank
/ High performances: Up to 16% more hot water available with Waterplus technology

Features

/ External temperature setting
/ Double safety thermostat
/ ABS Safety package
/ Compliant with top ESWH regulations



KEY
E \ Cold water inlet G 1/2"
U \ Hot water outlet G 1/2"
X \ Additional bottom fixing bracket only for 150 Lt model

TECHNICAL DATA		VLS EVO INOX 50	VLS EVO INOX 80	VLS EVO INOX 100
Nominal Capacity		50	80	100
Installation		Vertical	Vertical	Vertical
Power	kW	1,5	2,5	3,5
Voltage	V	230	230	230
Heating time (Δ T=45°C)	hh:mm	01:45	02:37	03:19
Max woring Pressure	bar	8	8	8
Max working temperature	°C	75	75	75
Weight	kg	12	14,8	17,6
Class	IP	X3	X3	X3
DIMENSIONS				
a	mm	543	748	900
b	mm	163	163	163
CODE				
		3700561	3700562	3700563

NOTE: The Nominal capacity listed in this catalogue identifies the product category. The actual product capacity is listed in the relative technical documentation.

Andris range
Compact dimensions, high performance

Small dimensions

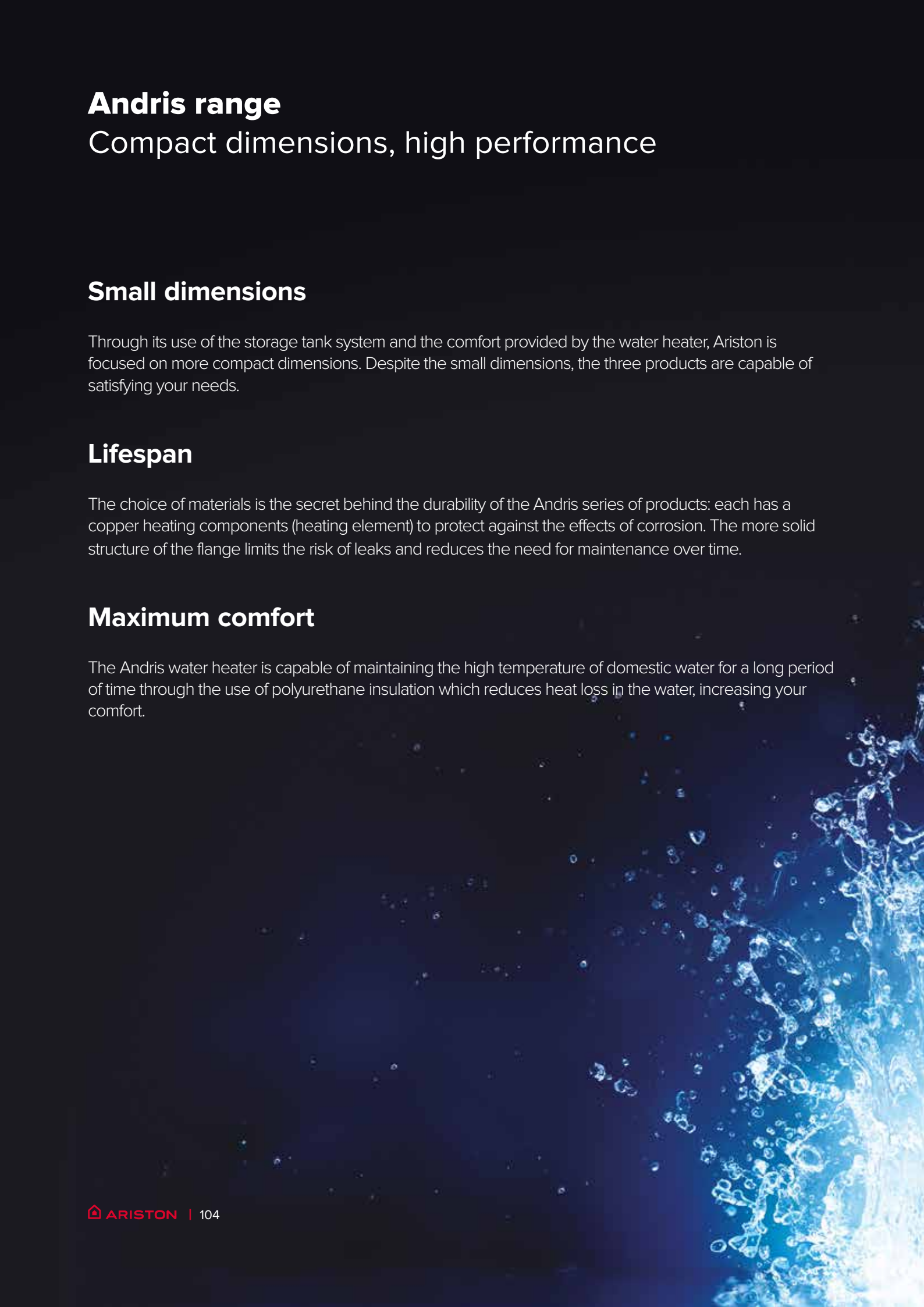
Through its use of the storage tank system and the comfort provided by the water heater, Ariston is focused on more compact dimensions. Despite the small dimensions, the three products are capable of satisfying your needs.

Lifespan

The choice of materials is the secret behind the durability of the Andris series of products: each has a copper heating components (heating element) to protect against the effects of corrosion. The more solid structure of the flange limits the risk of leaks and reduces the need for maintenance over time.

Maximum comfort

The Andris water heater is capable of maintaining the high temperature of domestic water for a long period of time through the use of polyurethane insulation which reduces heat loss in the water, increasing your comfort.



ANDRIS LUX ECO
10-15-30 lt

ANDRIS LUX
6-10-15-30 lt

ANDRIS RS
10-15-30 lt

Electric storage water heaters small capacities

	ANDRIS2 R				ANDRIS2 B				ANDRIS LUX ECO			
	10	10 U	15	15 U	10	10 U	15	15 U	10	10 U	15	30
ENERGY CLASS	-				-				A			
TAPPING PROFILE	XXS				XXS				XXS			S
POWER (kW)	2,5				2,5				1,2			1,5
INSTALLATION	Over sink	Under sink	Over sink	Under sink	Over sink	Under sink	Over sink	Under sink	Over sink	Under sink	Over sink	
HEATING TIME ΔT 45°C (h)	12 min 34 sec	12 min 34 sec	18 min 50 sec	18 min 50 sec	12 min 34 sec	12 min 34 sec	18 min 50 sec	18 min 50 sec	0,30		0,45	1,10
SMART DISPLAY	No				No				Yes			
ENAMELLING	Titanium				Titanium				Titanium			
POWER SUPPLY	Single-Phase				Single-Phase				Single-Phase			
HEATING ELEMENT	Copper				Copper				Copper			
ANODE	Magnesium				Magnesium				Magnesium			
COMFORT MODES	-				-				Eco Evo			
TEMPERATURE CONTROL	Mechanical				Mechanical				Electronic			
COMMERCIAL CODE	3180797	3180768	3180760	3180769	3180798	3180770	3180763	3180771	3100345	3100346	3100349	3100353
PAGE	108				109				110			

ANDRIS LUX							ANDRIS RS					ANDRIS R				
6	6 U	10	10 U	15	15 U	30	10	10 U	15	15 U	30	10	10 U	15	15 U	30
A			B	A	B	C	A	B	A	B	C	A	B	A	B	C
XXS						S	XXS				S	XXS				S
1,5		1,2				1,5	1,2				1,5	1,2				1,5
Over sink	Under sink	Over sink	Under sink	Over sink	Under sink	Over sink	Over sink	Under sink	Over sink	Under sink	Over sink	Over sink	Under sink	Over sink	Under sink	Over sink
0,15		0,30		0,45		1,10	0,30		0,45		1,10	0,3	0,3	0,45	0,45	1,1
No							No					No				
Titanium							Titanium					Standard				
Single-Phase							Single-Phase					Single-Phase				
Copper							Copper					Copper				
Magnesium							Magnesium					Magnesium				
-							-					-				
Mechanical							Mechanical					Mechanical				
3626236	3626237	3100534	3100535	3100536	3100537	3100538	3100329	3100330	3100334	3100335	3100339	3100328	3100331	3100333	3100336	3100338
111							112					113				

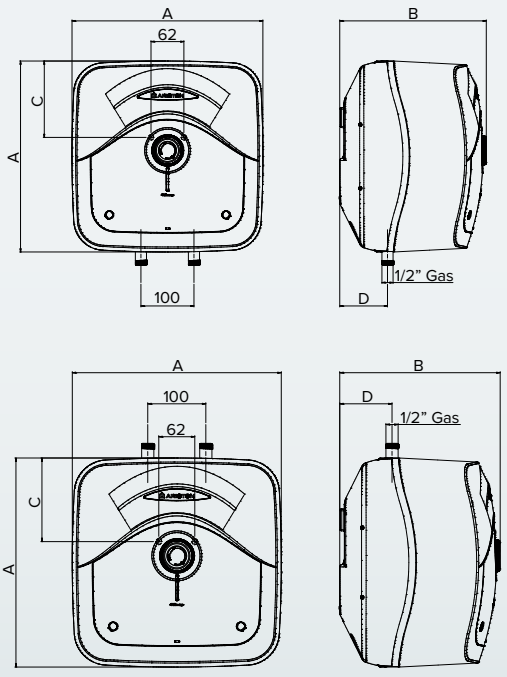
Andris2 R

AG+ COATING | TITANIUM PLUS | EASY INSPECTION | EXTERNAL TEMPERATURE REGULATION | ITALIAN DESIGN

Italian designed compact electronic water heater

/ A touch of italian style at home: modern design to elegantly match any ambient

Features
/ Front knob to set temperature
/ LED indicator
/ Mechanical thermostat
/ Oversized magnesium anode
/ Copper electric heating element
/ Anti-scalding icon
/ Titanium enamelling



Description	N° of units per pallet
ANDRIS RS 10/5	45
ANDRIS RS 10U/5	45
ANDRIS RS 15/5	40
ANDRIS RS 15U/5	40
ANDRIS RS 30/5	24

TECHNICAL DATA		ANDRIS2 R 10	ANDRIS2 R 10	ANDRIS2 R 15	ANDRIS2 R 15
Nominal capacity	l	10	10	15	15
Installation		oversink	undersink	oversink	undersink
Power	kW	2,5	2,5	2,5	2,5
Voltage	V	230	230	230	230
Heating time (ΔT= 45°C)	h. mins	12 min 34 sec	12 min 34 sec	18 min 50 sec	18 min 50 sec
Max operating temp.	°C	75	75	75	75
Heat. Dispersion at 65°C	kWh/24h	0,46	0,71	0,61	0,85
Max. operating pressure	bar	7,5	7,5	7,5	7,5
Net weight	kg	8,7	8,7	10	10
Protection	IP	IPX4	IPX4	IPX4	IPX4
DIMENSIONS					
a	mm	360	360	360	360
b	mm	276	276	324	324
c	mm	144	144	144	144
d	mm	92	92	78	78
CODE					
ErP		3180797	3180768	3180760	3180769
Tapping profile		XXS	XXS	XXS	XXS

NOTE: The Nominal capacity listed in this catalogue identifies the product category. The actual product capacity is listed in the relative technical documentation.

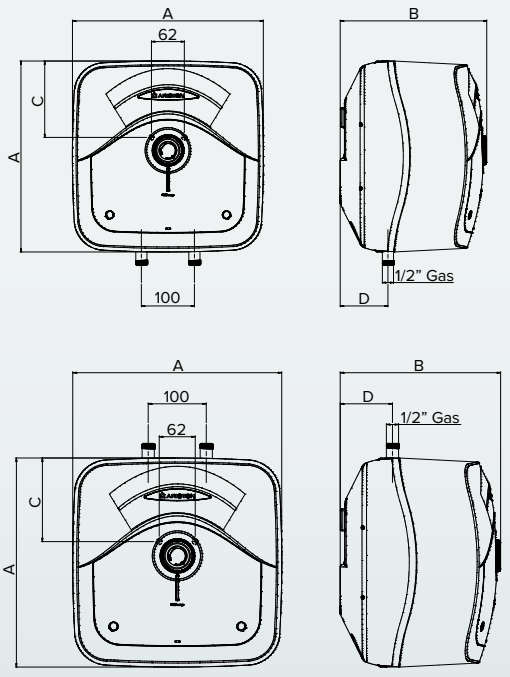
Andris2 B

AG+ COATING | TITANIUM PLUS | EASY INSPECTION | EXTERNAL TEMPERATURE REGULATION | ITALIAN DESIGN

Italian designed compact electronic water heater

/ A touch of italian style at home: modern design to elegantly match any ambient
/ Clean, safe water: thanks to AG+ technology inhibits bacteria proliferation

Features
/ Front knob to set temperature
/ LED indicator
/ Mechanical thermostat
/ Oversized magnesium anode
/ Copper electric heating element
/ Anti-scalding icon
/ Titanium enamelling



TECHNICAL DATA		ANDRIS2 B 10	ANDRIS2 B 10	ANDRIS2 B 15	ANDRIS2 B 15
Nominal capacity	l	10	10	15	15
Installation		oversink	undersink	oversink	undersink
Power	kW	2,5	2,5	2,5	2,5
Voltage	V	230	230	230	230
Heating time (ΔT= 45°C)	h. mins	12 min 34 sec	12 min 34 sec	18 min 50 sec	18 min 50 sec
Max operating temp.	°C	75	75	75	75
Heat. Dispersion at 65°C	kWh/24h	0,46	0,71	0,61	0,85
Max. operating pressure	bar	7,5	7,5	7,5	7,5
Net weight	kg	8,7	8,7	10	10
Protection	IP	IPX4	IPX4	IPX4	IPX4
DIMENSIONS					
a	mm	360	360	360	360
b	mm	276	276	324	324
c	mm	144	144	144	144
d	mm	92	92	78	78
CODE					
ErP		3180798	3180770	3180763	3180771
Tapping profile		XXS	XXS	XXS	XXS

NOTE: The Nominal capacity listed in this catalogue identifies the product category. The actual product capacity is listed in the relative technical documentation.

Andris Lux Eco

ECO EVO FUNCTION · TITANIUM PLUS · DISPLAY ECO · SAFETY PACKAGE · MADE IN ITALY

The energy saving compact electronic water heater

/ Increased energy saving: up to 14% thanks to ECO EVO function which learn habits and optimize production

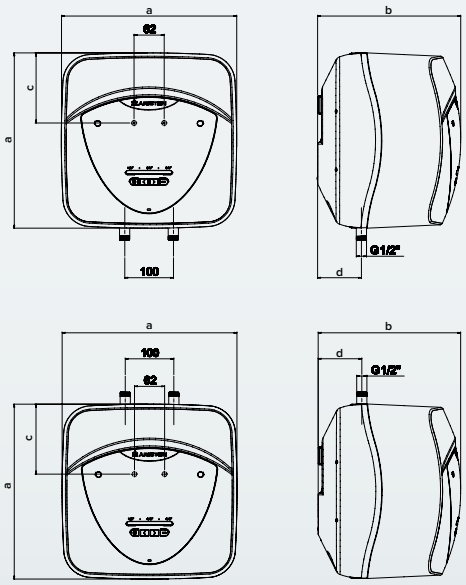
Energy Class

A

Features

/ Electronic Display
/ Electronic thermostat
/ Oversized magnesium anode
/ Copper electric heating element
/ Titanium enamelling
/ ABS safety system
/ Easy to install
/ Modern design

Powered by CoreTECH
Advanced electronic thermostat



Description	N° of units per pallet
ANDRIS LUX ECO 10/5	45
ANDRIS LUX ECO 10U/5	45
ANDRIS LUX ECO 15/5	40
ANDRIS LUX ECO 30/5	24

TECHNICAL DATA		ANDRIS LUX ECO 10	ANDRIS LUX ECO 10 U	ANDRIS LUX ECO 15	ANDRIS LUX ECO 15 U	ANDRIS LUX ECO 30
Nominal Capacity	l	10	10	15	15	30
Installation		Oversink	Undersink	Oversink	Undersink	Oversink
Output	kW	1,2	1,2	1,2	1,2	1,5
Voltage	V	220/240	220/240	220/240	220/240	220/240
Heating time (ΔT= 45°C)	h. mins	0,30	0,30	0,45	0,45	1,10
Max. operating temp.	°C	80	80	80	80	80
Heat dispersion at 65°C	kWh/24h	0,46	0,71	0,61	0,61	0,77
Max. operating pressure	bar	8	8	8	8	8
Net weight	kg	6,6	6,6	7,4	7,4	12,8
Protection	IP	X4	X4	X4	X4	X4
DIMENSIONS						
a	mm	360	360	360	360	446
b	mm	294	294	342	342	406
c	mm	144	144	144	144	165
d	mm	92	92	78	78	115
CODE						
ErP		3100345	3100346	3100349	3100350	3100353
	Energy class	A	A	A	A	A
	Tapping profile	XXS	XXS	XXS	XXS	S

ACCESSORIES	CODE
Hydraulic safety group 1/2"	877084
Syphon 1"	877086

NOTE: The Nominal capacity listed in this catalogue identifies the product category. The actual product capacity is listed in the relative technical documentation.

Andris Lux

EASY INSPECTION

TITANIUM PLUS

EXTERNAL TEMPERATURE REGULATION

10-15-30lt

6lt

Easy to use compact electric water heater

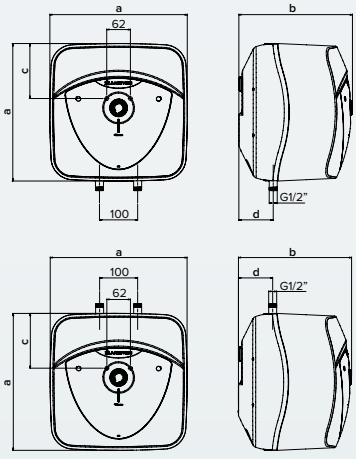
Features

/ Front dial to set temperature
/ Mechanical thermostat
/ Oversized magnesium anode
/ Copper electric heating element
/ Titanium enamelling
/ Modern design

Energy Class

UP TO A

Andris Lux 10-15-30



TECHNICAL DATA		ANDRIS LUX 6	ANDRIS LUX 6 U	ANDRIS LUX 10	ANDRIS LUX 10 U	ANDRIS LUX 15	ANDRIS LUX 15 U	ANDRIS LUX 30
Nominal Capacity	l	6	6	10	10	15	15	30
Installation		Oversink	Undersink	Oversink	Undersink	Oversink	Undersink	Oversink
Output	kW	1,5	1,5	1,2	1,2	1,2	1,2	1,5
Voltage	V	220	220	220/240	220/240	220/240	220/240	220/240
Heating time (ΔT= 45°C)	hh:mm	00:15	00:15	00:30	00:30	00:45	00:45	01:10
Max. operating temp.	°C	75	75	78	78	78	78	78
Heat dispersion at 65°C	kWh/24h	0,42	0,42	0,46	0,71	0,61	0,85	0,77
Max. operating pressure	bar	6	6	8	8	8	8	8
Net weight	kg	5,1	5,1	6,6	6,6	7,4	7,4	12,8
Protection	IP	X4	X4	X4	X4	X4	X4	X4
DIMENSIONS								
a	mm	315	315	360	360	360	360	447
b	mm	250	250	298	298	346	346	410
c	mm	-	-	144	144	144	144	165
d	mm	80	80	92	92	78	78	114
CODE								
ErP		-	-	3100641	3100642	3100643	3100650	3100644
Energy class		B	B	A	B	A	B	C
Tapping profile		XXS	XXS	XXS	XXS	XXS	XXS	S
CODE		3626236	3626237	3100534	3100535	3100536	3100537	3100538

ACCESSORIES	CODE
Hydraulic safety group 1/2"	877084
Syphon 1"	877086

NOTE: The Nominal capacity listed in this catalogue identifies the product category.
The actual product capacity is listed in the relative technical documentation.

Andris RS

EASY INSPECTION

EXTERNAL TEMPERATURE REGULATION

MADE IN ITALY

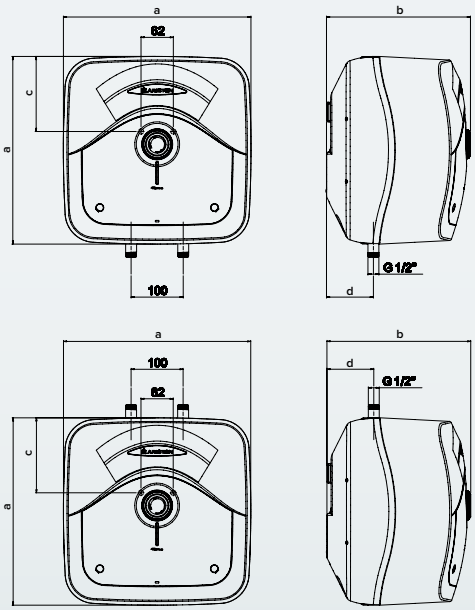
Compact electric water heater for any need

Features

/ Front dial to set temperature
/ LED indicator
/ Mechanical thermostat
/ Magnesium anode
/ Copper electric heating element
/ Modern design

Energy Class

UP TO A



Description	N° of units per pallet
ANDRIS RS 10/5	45
ANDRIS RS 10U/5	45
ANDRIS RS 15/5	40
ANDRIS RS 15U/5	40
ANDRIS RS 30/5	24

TECHNICAL DATA		ANDRIS RS 10	ANDRIS RS 10 U	ANDRIS RS 15	ANDRIS RS 15 U	ANDRIS RS 30
Nominal Capacity	l	10	10	15	15	30
Installation		Oversink	Undersink	Oversink	Undersink	Oversink
Output	kW	1,2	1,2	1,2	1,2	1,5
Voltage	V	220/240	220/240	220/240	220/240	220/240
Heating time (ΔT= 45°C)	h. mins	0,30	0,30	0,45	0,45	1,10
Max. operating temp.	°C	78	78	78	78	78
Heat dispersion at 65°C	kWh/24h	0,46	0,71	0,61	0,85	0,77
Max. operating pressure	bar	8	8	8	8	8
Net weight	kg	6,6	6,6	7,4	7,4	12,8
Protection	IP	X1	X1	X1	X1	X1
DIMENSIONS						
a	mm	360	360	360	360	447
b	mm	276	276	324	324	389
c	mm	144	144	144	144	165
d	mm	92	92	78	78	115
CODE						
ErP		3100631	3100632	3100633	3100634	3100635
	Energy class	A	B	A	B	C
	Tapping profile	XXS	XXS	XXS	XXS	S
		3100329	3100330	3100334	3100335	3100339

ACCESSORIES	CODE
Hydraulic safety group 1/2"	877084
Syphon 1"	877086

NOTE: The Nominal capacity listed in this catalogue identifies the product category. The actual product capacity is listed in the relative technical documentation.

Andris R

EXTERNAL TEMPERATURE REGULATION

ITALIAN DESIGN

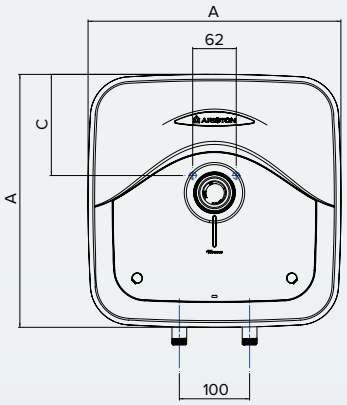
Compact electric water heater for any need

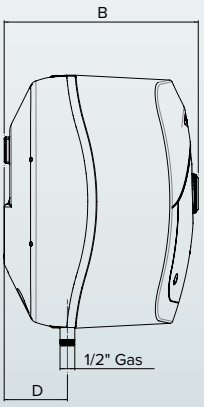
Features

/ Front dial to set temperature
/ Mechanical thermostat
/ Oversized Magnesium anode
/ Copper electric heating element
/ Modern design

Energy Class

UP TO A





TECHNICAL DATA		ANDRIS R 10	ANDRIS R 10 U	ANDRIS R 15	ANDRIS R 15 U	ANDRIS R 30
Nominal Capacity	l	10	10	15	15	30
Installation		Oversink	Undersink	Oversink	Undersink	Oversink
Power	kW	1,2	1,2	1,2	1,2	1,5
Voltage	V	220-240	220-240	220-240	220-240	220-240
Heating time (ΔT=45°C)	hh:mm	00:30	00:30	00:45	00:45	01:10
Heat dispersion at 65°C	kWh/24h	0,46	0,71	0,61	0,85	0,77
Max working pressure	bar	8	8	8	8	8
Max working temperature	°C	78	78	78	78	78
Weight	kg	6,6	6,6	7,4	7,4	11
Protection	IP	X1	X1	X1	X1	X1
DIMENSIONS						
a	mm	360	360	360	360	447
b	mm	276	276	324	324	389
c	mm	144	144	144	144	165
d	mm	92	92	78	78	114
CODE With Plug and Cable						
ErP		3100645	3100646	3100647	3100648	3100649
Energy class		A	B	A	B	C
Tapping profile		XXS	XXS	XXS	XXS	S
		3100328	3100331	3100333	3100336	3100338

NOTE: The Nominal capacity listed in this catalogue identifies the product category. The actual product capacity is listed in the relative technical documentation.

Electric storage water heaters big capacities

	ARI THER						ARI				
	100 V	150 V	200 V	100 H	150 H	200 H	200	200	300	200	300
ENERGY CLASS	C						C				
TAPPING PROFILE	L	M	L	M	L		L				
POWER (kW)	1,2	1,8	2,2	2,0			2,2	3			
INSTALLATION	Wall-hung (V)			Wall-hung (H)			Wall-hung (V)	Floor-standing (V)			
HEATING TIME ΔT 45°C (h)	5,02	5,15	5,45	2,55	4,40	5,50	4,28	4,26	5,54	4,26	5,54
SMART DISPLAY	No						No				
ENAMELLING	Titanium						Titanium				
PHASE	Single-Phase						Single-Phase			Single-phase/Tri-phase	
HEATING ELEMENT	Copper						Copper			Inox	
ANODE	Magnesium						Magnesium				
COMFORT MODES	-						-				
TEMPERATURE CONTROL	Mechanical						Mechanical				
COMMERCIAL CODE	3000325	3000326	3000327	3010892	3010895	3010899	3000566	3000618	3000619	3000620	3010871
PAGE	116						117				

PRO1 ECO				PRO1 R	
120 PL	120 CZ	150 PL	150 CZ	120	150
C				-	-
L				-	
1,8	2	1,8	2	1,8	
Wall-hung (V)				Wall-hung (V)	
3:29	3:08	4:22	3:55	3:29	4:22
No				No	
Titanium				Standard	
Single-Phase				Single-Phase	
Copper				Copper	
Magnesium				Magnesium	
Eco Evo				-	
Electronic				Mechanical	
3700573	3700568	3700574	3700569	3700566	3700567
118				119	

Ari Ther

EASY INSPECTION

TITANIUM PLUS

TITANIUM PLUS

Wall-hung electric water heater up to 200L for big needs

Features

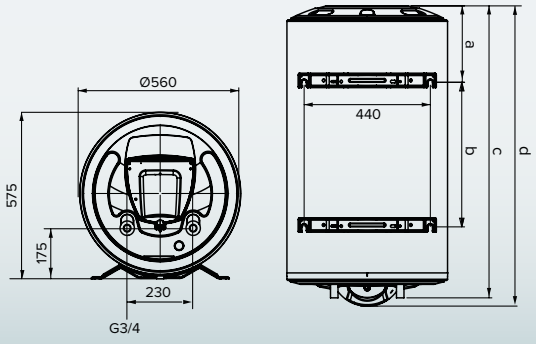
- / Thermostat Temperature Regulation
- / Ecological polyurethane insulation
- / Titanium glasslined inner tank tested at 16 bar
- / Oversize magnesium anode
- / 5-bolts flange
- / Exclusive Italian design

Energy Class

C

TECHNICAL DATA		ARI 100 VERT 560 THER MO EU	ARI 150 VERT 560 THER MO EU	ARI 200 VERT 560 THER MO EU	ARI 100 HORD 570 THER MO EU	ARI 150 HORD 570 THER MO EU	ARI 200 HORD 570 THER MO EU
Nominal Capacity	l	100	150	200	100	150	200
Installation		V	V	V	H	H	H
Power	kW	1,2	1,8	2,2	2,0	2,0	2,0
Voltage	V	230	230	230	230	230	230
Heating time (ΔT=45°C)	hh:mm	05:02	05:15	05:45	02:55	04:40	05:50
Heat dispersion at 65°C	kWh/24h	1,03	1,48	1,73	1,32	1,68	2,02
Max working pressure	bar	6	6	6	6	6	6
Max working temperature	°C	67	65	70	75	75	75
Weight	kg	29	37	45	31	37	45
Class	IP	25	25D	25D	25	25D	25D
DIMENSIONS							
a	mm	240	264	232	240	264	232
b	mm	-	500	800	-	500	800
c	mm	764	1010	1278	764	1010	1278
d	mm	792	1038	1306	792	1038	1306
CODE							
ErP		3000325	3000326	3000327	3010892	3010895	3010899
Energy class		C	C	C	C	C	C
Tapping profile		L	M	L	M	L	L

NOTE: The Nominal capacity listed in this catalogue identifies the product category. The actual product capacity is listed in the relative technical documentation.



Ari

EASY INSPECTION | TITANIUM PLUS | ITALIAN DESIGN

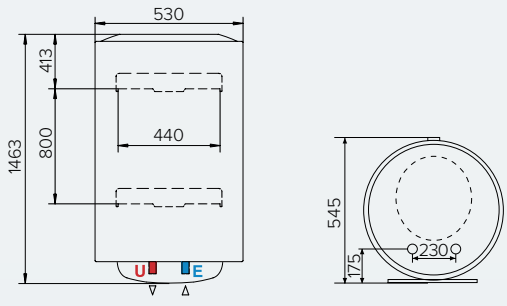
Floor standing electric water heater up to 300L for big needs

Features
- / Elegant design
- / Titanium enamelling
- / Magnesium anode
- / Easily removed inspection flange
- / High IP protection rating

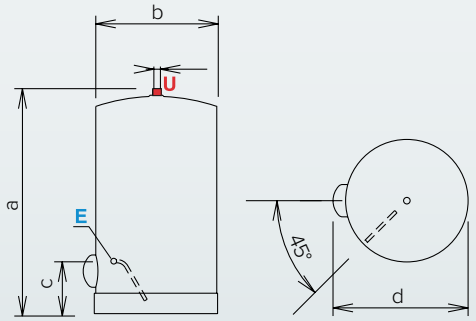
Energy Class

C

200 V (murale)



200-300 (a basamento)



KEY
E \ Cold water inlet G 3/4" (200-300) G 1" (500)
U \ Domestic hot water outlet G 3/4" (200-300) G 1" (500)

TECHNICAL DATA		ARI 200 V	ARI 200 MO	ARI 300 MO	ARI 200	ARI 300
Model		Single-Phase	Single-Phase	Single-Phase	Single-Phase/ Tri-Phase	Single-Phase/ Tri-Phase
Capacity	l	200	200	300	200	300
V40 (Qty of mixed DWH at 40°C)*	l	359	356	525	356	525
Output	kW	2,2	3	3	3	3
Voltage	V	230	230	230	230/400	230/400
Heating time (ΔT= 45°C)	hh:mm	04:28	04:26	05:54	04:26	05:54
Max. operating temp.	°C	75	70	70	70	70
Heat dispersion at 65°C	kWh/24h	1,76	1,88	2,6	1,88	2,6
Max. operating pressure	bar	8	6	6	6	6
Net weight	kg	49	50	71	50	71
Protection	IP	X5	X5	X5	X5	X5
DIMENSIONS						
a	mm	-	1300	1820	1300	1820
b	mm	-	570	570	570	570
c	mm	-	365	365	365	365
d	mm	-	630	630	630	630

* Set Point Temperature: 65°C

CODE

ErP		3000566	3000618	3000619	3000620	3010871
	Energy class	C	C	C	C	C
	Tapping profile	L	L	L	L	L

ACCESSORIES	Code
Hydraulic Safety group 3/4"	877085
Hydraulic Safety group 1"	885516
Siphon 1"	877086

NOTE: The Nominal capacity listed in this catalogue identifies the product category. The actual product capacity is listed in the relative technical documentation.

Pro1 Eco

WATER PLUS | ECO EVO FUNCTION | ABSOLUTE SAFETY SYSTEM | SHOWER READY | TITAN SHIELD | DISPLAY ECO | HIGH EFFICIENCY INSULATION | ITALIAN DESIGN

Electric storage water heater up to 150L

- / High performances: Up to 16%* more hot water available with Waterplus technology
- / Increase energy saving: up to 14% thanks to ECO EVO function which learn habits and optimize production

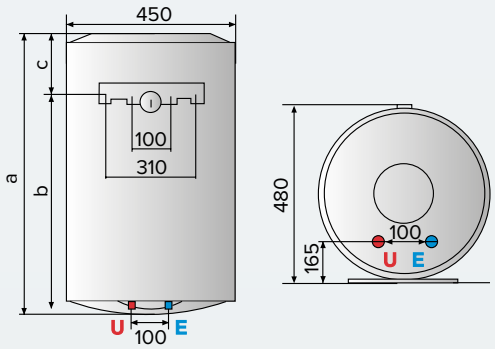
Energy Class

C

Features

- / Electronic Display
- / Manual temperature setting
- / Shower ready icon
- / Magnesium anode

* Maximum estimated saving, depending on models. Comparison made using V40 test results at maximum operating temperature between current ATG products and new ATG products equipped with WaterPlus Technology.



KEY
E \ Cold water inlet G 1/2"
U \ Hot water outlet G 1/2"

TECHNICAL DATA		PRO1 ECO 120 V 1,8K PL EU	PRO1 ECO 120 V 2K CZ EU	PRO1 ECO 150 V 1,8K PL EU	PRO1 ECO 150 V 2K CZ EU
Nominal Capacity		120	120	150	150
Installation		V	V	V	V
Size		Regular	Regular	Regular	Regular
Power	kW	1,8	2	1,8	2
Voltage	V	230	230	230	230
Heating time (T=45°C)	hh:mm	03:29	03:08	04:22	03:55
Heat Dispersion at 65°C kWh/24h	kWh/24h	1,6	1,6	1,65	1,65
Max Working pressure	bar	8	8	8	8
Max Working Temperature °C	°C	80	80	80	80
Weight	Kg	27,6	27,6	32,4	32,4
Class	IP	X3	X3	X3	X3
DIMENSIONS					
a	mm	1108	1108	1283	1283
b	mm	942	942	1119	1119
c	mm	166	166	164	164
CODE					
		3700573	3700568	3700574	3700569
Energy class		C	C	C	C
Tapping profile		L	L	L	L

NOTE: The Nominal capacity listed in this catalogue identifies the product category. The actual product capacity is listed in the relative technical documentation.

Pro1 R

WATER PLUS | EXTERNAL TEMPERATURE REGULATION | DOUBLE SAFETY THERMOSTAT | TITAN SHIELD | HIGH EFFICIENCY INSULATION | ITALIAN DESIGN

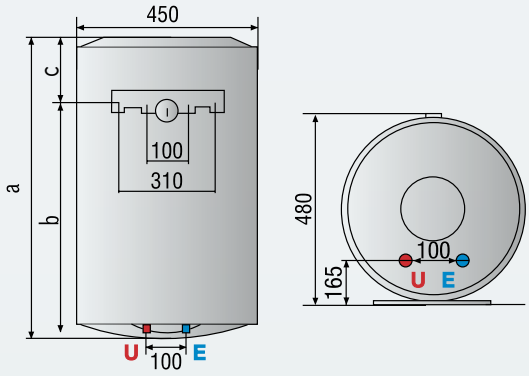
Electric storage water heater up to 150L

/ High performances: Up to 16% more hot water available with Waterplus technology

Features

/ External temperature setting
/ Double safety thermostat

* Maximum estimated saving, depending on models. Comparison made using V40 test results at maximum operating temperature between current ATG products and new ATG products equipped with WaterPlus Technology.



KEY
E \ Cold water inlet G 1/2"
U \ Hot water outlet G 1/2"

TECHNICAL DATA		PRO1 R 120 V 1,8K PL	PRO1 R 150 V 1,8K PL
Nominal Capacity		120	150
Installation		V	V
Size		Regular	Regular
Power	kW	1,8	1,8
Voltage	V	230	230
Heating time (T=45°C)	hh:mm	03:29	04:22
Heat Dispersion at 65°C kWh/24h	kWh/24h	1,6	1,65
Max Working pressure	bar	8	8
Max Working Temperature °C	°C	75	75
Weight	Kg	27,6	32,4
Class	IP	X3	X3
DIMENSIONS			
a	mm	1108	1283
b	mm	942	1119
c	mm	166	164
CODE			
		3700566	3700567

NOTE: The Nominal capacity listed in this catalogue identifies the product category. The actual product capacity is listed in the relative technical documentation.

Commercial electric water heaters

Ariston commercial electric storage water heaters provide flexible and powerful solutions for applications requiring huge water quantity.

- TI 500 STI
- ES extra range

Commercial electric Storage water heaters

	TI STI	ES EXTRA						ES EXTRA 5000
	500	500	750	1000	1500	2020	2500	3000	5000
ENERGY CLASS	C	-							-
TAPPING PROFILE	XL	-							-
POWER (kW)	6	12/24/36/48/60/80*							48/60/80/96
INSTALLATION	Floor-standing (V)	Floor-standing (V)							Floor-standing (V)
HEATING TIME ΔT 45°C (h)	4,40	-							-
SMART DISPLAY	No	No							No
ENAMELLING	Titanium	Standard							-
POWER SUPPLY	Single-phase/Tri-phase	-						Tri-phase	Tri-phase
HEATING ELEMENT	Inox	Stainless Steel Alloy							Stainless Steel Alloy
ANODE	Magnesium	Magnesium							Magnesium
COMFORT MODES	-	Easy Inspection							Easy Inspection
TEMPERATURE CONTROL	Mechanical	Electronic							Electronic
CODE	3070547	Please see pag. 126							Please see pag. 127
PAGE	123	124							125

* Different combinations of power and capacities can be viewed in detail on the product page.

Ti Sti

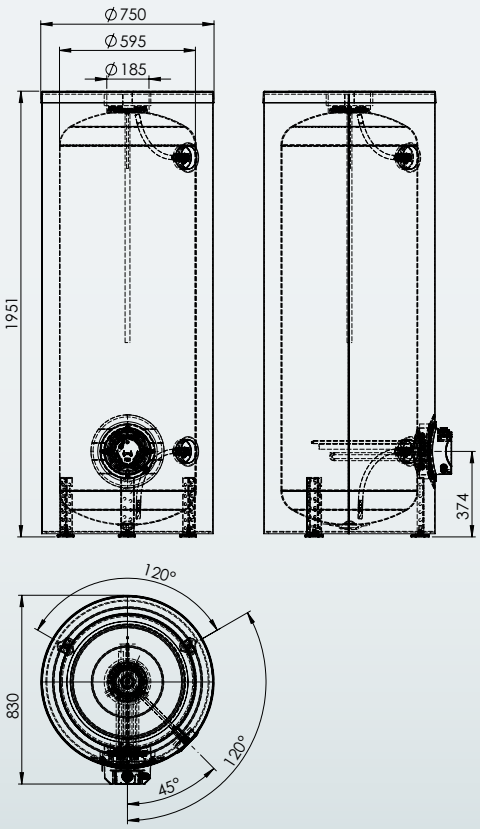
EASY INSTALLATION

EASY INSPECTION

- / Elegant design
- / Titanium enamelling
- / Magnesium anode on the top
- / Easily removed inspection flange, where there is an inspectionable additional flange
- / High IP protection rating
- / Insulation in hard polyurethane mould-injected. Outer case available in soft jacket only.
- / Water Outlet on the side
- / Delivered with no carton box, but packaged on a pallet with a film

Energy Class

C



KEY
E \ Cold water inlet G 3/4" (200-300) G 1" (500)
U \ Domestic hot water outlet G 3/4" (200-300) G 1" (500)

TECHNICAL DATA		TI 500 STI EU
Capacity	l	462
Tank diameter	mm	Ø595
External diameter	mm	Ø758
PU thickness	mm	75
Dimensions product	cm	76 X 83 X 195
Dimensions packaging	cm	82 X 82 X 216
Gross weight	kg	125
Net weight	kg	107
Heating time	h	3,50"
Max Working Temp.	°C	90
Heat dispersion	kWh/day	1,92
Max Working Pressure	bar	6
Protection		IP24
ErP Energy efficiency	η wh	0,3946
ErP Q elec	kWh/day	19,09
ErP Annual consumption (AEC)	kWh/year	4192
ErP V40	l	836

CODE

ErP		3070547
	Energy class	C
	Tapping profile	XL

ACCESSORI	Codice
Hydraulic Safety group 3/4"	877085
Hydraulic Safety group 1"	885516
Siphon 1"	877086

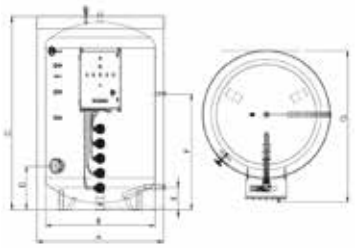
NOTE: The Nominal capacity listed in this catalogue identifies the product category. The actual product capacity is listed in the relative technical documentation.

Es Extra

EASY INSTALLATION

EASY INSPECTION

- / Flexibility of configuration
- / Quick recovery time
- / Double thermostat
- / Fully pre-assembled product
- / Two types of control panels built-in:
  - Simple pannel for an easy control
  - Full pannel for a complete overview on working conditions
- / Incoloy 800 heating element with low surface change
- / Oversize magnesium anode
- / Inspection flange for easy maintenance (D = 110 mm)
- / Soft polyurethane insulation
- / Max working pressure of 8 bar
- / Building Management System (BMS): possibility to remote the control pannel



TECHNICAL DATA		ES EXTRA 500	ES EXTRA 750	ES EXTRA 1000	ES EXTRA 1500	ES EXTRA 2020	ES EXTRA 2500	ES EXTRA 3000
Nominal Capacity*	L	500	750	1000	1500	2020	2500	3000
Max working pressure	bar	8	8	8	8	8	8	8
Empty weight	kg	110	170	190	310	381	461	506
Max heating element	Nr	2	3	3	3	4	5	5
Cold water inlet		R 2" GM	R 2" GM	R 2" GM	R 2" GM	R 2" GM	R 2" GM	R 2" GM
Hot water outlet		R 2" M	R 2" M	R 2" M	R 2" M	R 2" M	R 2" M	R 2" M
Recirculation		R 1"1/2 GM	R 1"1/2 GM	R 1"1/2 GM	R 1"1/2 GM	R 1"1/2 GM	R 1"1/2 GM	R 1"1/2 GM
Drain		Rp 1"1/4 G	Rp 1"1/4 G	Rp 1"1/4 G	Rp 1"1/4 G	Rp 1"1/4 G	Rp 1"1/4 G	Rp 1"1/4 G
Probe connection		Rp 3/8" G	Rp 3/8" G	Rp 3/8" G	Rp 3/8" G	Rp 3/8" G	Rp 3/8" G	Rp 3/8" G
DIMENSIONS								
A	mm	850	990	990	1200	1400	1450	1550
B	mm	650	790	790	1000	1200	1250	1350
C	mm	1905	1945	2345	2335	2245	2410**	2420**
D	mm	530	575	560	595	705	615	540
E: Water Inlet	mm	250	290	290	365	435	345	270
F: Recirculation	mm	1070	1030	1210	1275	1205	1250	1410
G	mm	1000	1140	1140	1350	1700	1750	1850

*The Nominal capacity listed in this catalogue identifies the product category. The actual product capacity is listed in the relative technical documentation.
** with feet installed

PERFORMANCE DATA		500-12	500-24	750-12	750-24	750-36	1000-12	1000-24	1000-36	1500-12	1500-24	1500-36	2020-24	2020-36	2020-48	2500-36	2500-48	2500-60	3000-48	3000-60	3000-80
Power	kW	12	24	12	24	36	12	24	36	12	24	36	24	36	48	36	48	60	48	60	80
Panel***		SB-SF	SB-SF	SB-SF	SB-SF	SB-SF	SB-SF	SB-SF	SB-SF	SB-SF	SB-SF	SB-SF	SF	SF	SF	SF	SF	SF	SF	SF	SF
Voltage	V	400	400	400	400	400	400	400	400	400	400	400	400	400	400	400	400	400	400	400	400
Heating Elements		1	2	1	2	3	2	2	3	2	2	3	2	3	4	3	4	3	4	5	5
Recovery time DT 40°C rise	min.	116	58	174	87	58	233	116	78	349	174	116	233	155	116	194	145	116	174	140	105
Recovery time DT 45°C rise	min.	131	65	196	98	65	262	131	87	392	196	131	262	174	131	218	164	131	196	157	118
Flow rate 40°C rise	l	258	516	258	516	774	258	516	774	258	516	774	516	774	1032	774	1032	1290	1032	1290	1720
Flow rate 45°C rise	l	229	459	229	459	688	229	459	688	229	459	688	459	688	917	688	917	1147	917	1147	1529
First hour delivery 40°C rise	l	608	866	783	1041	1299	958	1216	1474	1308	1566	1824	1916	2174	2432	2524	2782	3040	3132	3390	3820
First hour delivery 45°C rise	l	579	809	754	984	1213	929	1159	1388	1279	1509	1738	1859	2088	2317	2438	2667	2897	3017	3247	3629

*** SB = Basic panel - SF = Full panel

CODE

With soft jacket - Basic panel	3080029	3080081	3080260	3080273	3080274	3080333	3080334	3080335	3080336	3080337	3080338										
With soft jacket - Full panel	3104098	3104099	3104101	3104102	3104103	3104104	3104105	3104106	3104107	3104108	3104109	3080339	3080340	3080341	3080342	3080343	3080344	3080345	3080346	3080347	

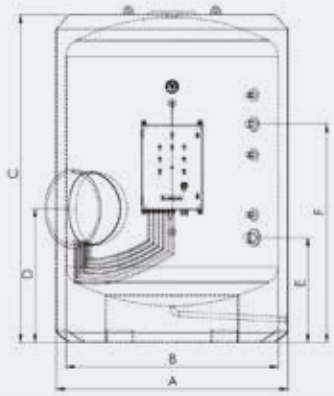
The capacity indicated in this catalogue identifies the product category. The effective capacity of the product is given in the relevant technical documentation provided with the product.

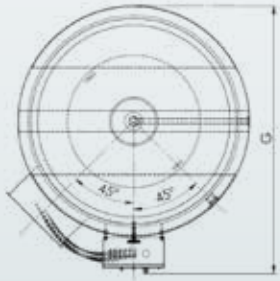
Es Extra 5000

EASY INSTALLATION

EASY INSPECTION

- / Flexibility of configuration
- / Quick recovery time
- / Double thermostat
- / Fully pre-assembled product
- / Full pannel for a complete overview on working conditions
- / Incoloy 800 heating element with low surface change
- / Oversize magnesium anode
- / Inspection flange for easy maintenance (D= 400 mm)
- / Soft polyurethane insulation
- / Max working pressure of 8 bar
- / Building Management System (BMS): possibility to remote the control pannel





TECHNICAL DATA		ES EXTRA 5000
Capacity	L	4901
Max working pressure	bar	8
Empty weight	kg	1030
Max number of heating element	Nr	6
Cold water inlet		R 3" M
Hot water outlet		R 3" M
Recirculation		R 2" M
Drain		R 1"1/2 M
Probe connection		Rp 3/4" M
DIMENSIONS		
A: external diameter	mm	1910
B: tank diameter	mm	1750
C: overall height, water outlet pipe	mm	2710
D: water inlet pipe	mm	1105
E: water recirculation pipe	mm	865
F: inspection flange	mm	1805
G: depth	mm	2220

PERFORMANCE DATA		5000-48	5000-60	5000-80	5000-96
Power	kW	48	60	80	96
Panel***		SF	SF	SF	SF
Voltage		400	400	400	400
Heating Elements		4	5	5	6
Recovery time DT 40°C rise	min	291	233	174	145
Recovery time DT 45°C rise	min	327	262	196	164
Flow rate 40°C rise	l	1032	1290	1720	2064
Flow rate 45°C rise	l	917	1147	1529	1835
First hour delivery 40°C rise	l	4532	4790	5220	5564
First hour delivery 45°C rise	l	4417	4647	5029	5335

*** SB = Basic panel - SF = Full panel

CODE With soft jacket - Full panel				
	3080348	3080349	3080350	3080351

The capacity indicated in this catalogue identifies the product category. The effective capacity of the product is given in the relevant technical documentation provided with the product.

Electric instantaneous water heaters

With their sleek design, compact size and innovative features, Ariston Electric Instantaneous water heaters are extremely efficient and easy to install. Since they do not have a storage tank, they provide hot water only as it is needed. For instant comfort exactly when you need it.

- Aures range

New compact Aures range
Hyper speed, instant comfort

Instant heating technology

Instant comfort and unlimited hot water

Aures electric instant water heater uses electricity to **instantly deliver hot water at the desired temperature** thanks to its compact 0.4 l tank equipped with a **powerful heating element** which heats water as soon as it flows through the unit. Aures is **available in a wide range of power options** (from 2kW to 36 kW) to satisfy any need. With Aures Pro, the water temperature is kept constant at the desired level due to the action of the **high-performing thermostatic technology**.

Aures' compact size allows **simple installation also in narrow spaces** like the shower box or under the sink. **Easy maintenance and quick replacement** of the internal components are ensured.

Energy **class A**

The ultimate energy efficient solution

Aures is the most efficient way to provide hot water at the point of use. The whole Aures range boasts ErP energy class A, achieving top level of energy efficiency in the electric water heating segment. **All the electricity** taken from the electric network **is converted** into the necessary amount of hot water needed by the user. **The water is not pre-heated** and it is not stocked in a tank: an effective approach to **eliminate heat loss and reduce energy consumption**.

Total safety system

The peace of mind you are longing for

The double pole Earth Leakage Circuit Breaker (ELCB) prevents electric shocks, integrating with a total safety device system that **avoids the damage of the product**. If a dangerous voltage is detected, the device will interrupt the electrical circuit as a safety measure. Thanks to the excellent protection of the product against the ingress of water, **Aures Slim single point can be placed inside the shower space**.

Your guide to define the right model for every need

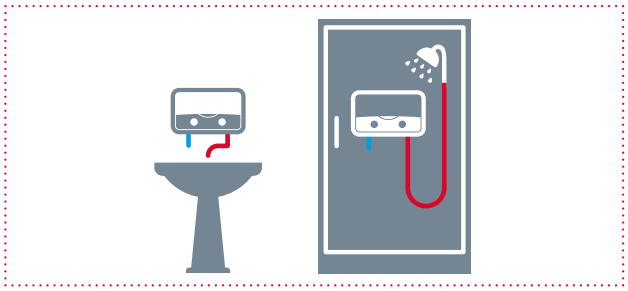
1 Choose the suitable range for your needs and infrastructure

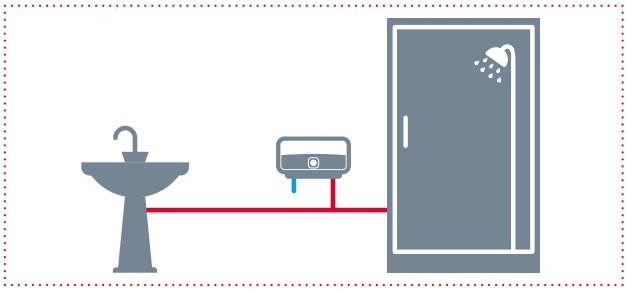
Installation

How many water points do you want to supply?

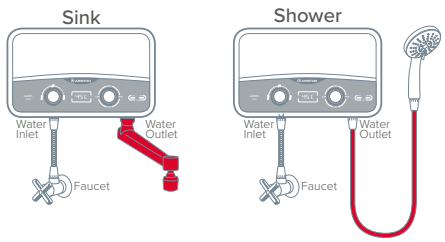
/ One point (Single Point) ➔ Aures Slim range

/ More than two points (Multi Point) ➔ Aures Slim Multi & Aures Pro range

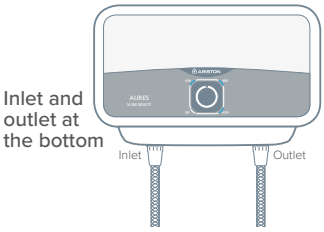




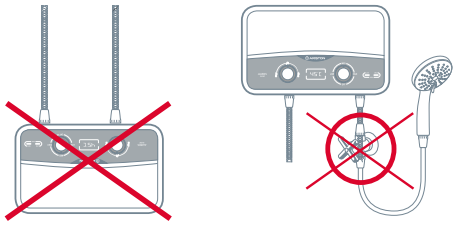
Correct installation



Correct installation



Incorrect installation



*Available as accessory

Incorrect installation

Single Point supplies only one water point directly connected to the appliance (unpressurized)

Multi Point can supply more water points at the same time (pressurized)

Quality Electric Network

Check the electric network features such as Power [kW], Ampere, Phase and the current consumption of the place where the product will be installed.

Usage

Which water points would you like to use (Tap, Shower, Bath)?

/ Based on the preferred water point **the average temperature** and **water flow** will differ.

/ Refer to the table below to understand the average flow rate for each water point:

WATER POINT	AVERAGE WATER FLOW
TAP	2-4 l/min
SHOWER	5-7 l/min
BATH	12-14 l/min
24	17,2

This is an estimation and it varies according to the geographical location.

2 Identify the right power needed

Which power (kW) is right for you?

There are two external factors which impact the power supply:

/ **Inlet Temperature**: what is your average ground water temperature?

/ **Water Flow**: how much water do you use at your peak time?

Example: the power needed for a simulated flow rate data for ΔTemperature (°C) = 20°C, calculated using the formula

Power = Flow Rate x ΔTemperature x 0,07

POWER [kW]	ΔTEMPERATURE [°C]	FLOW RATE [l/min]
4,9	20	3,5
9	20	6,5
12	20	8,6
24	20	17,2

Electric instantaneous water heaters



	AURES SLIM	AURES SLIM FLOW	AURES SLIM DISPLAY
ERP ENERGY CLASS	**A**	**A**	**A**
INSTALLATION	Single point	Single point	Single point
WORKING CONDITION	Non Pressurized	Non Pressurized	Non Pressurized
POWER (kW)	From 3,5 up to 7,7 kW	From 3,5 up to 7,7 kW	From 3,5 up to 7,7 kW
PHASE	Mono	Mono	Mono
TEMPERATURE CONTROL	No	No	No
POWER CONTROL	Yes	Yes	Yes
FLOW CONTORL	No	Yes	Yes
SMART DISPLAY	No	No	No
TEMPERATURE DISPLAY	No	No	Yes
HEATING ELEMENT	Copper	Copper	Copper
KIT	Kit A & E	Kit A & E	Kit D
COMMERCIAL CODE	3520010-V - 3520011-V - 3520012-V - 3520013-V 3520014-V - 3520016-V - 3520017-V - 3520219-V	3520220-V - 3520018-V - 3520019-V	3520020
PAGE	134	135	136

AURES SLIM MULTI	AURES MULTI	AURES PRO
A	**A**	**A**
Multi point	Multi point	Multi point
Pressurized	Pressurized	Pressurized
From 5 up to 12kW	From 5 to 12 kW	18-24kW
Mono up to 12 kW / Triphase from 12 kW	Mono up to 12 kW / Triphase from 12 kW	Triphase
No	No	Yes
Yes	Yes	Modulating
No	No	No
No	No	Yes
No	No	Yes
Copper	Copper	Copper
-	-	-
3520021 - 3520025 - 3520026 - 3520027 - 3520029 - 3520030 3520031 - 3520032 - 3520216 - 3520217 - 3520218 - 3520221	3195211 - 3195213 - 3195214 - 3195215-3195217- 3195218 3195219 - 3195220 - 3195234 - 3195235 - 3195236 -3195237	3520040 - 3520041
138	139	141

Aures Slim

ITALIAN DESIGN | COMPACT SIZE | EXTERNAL POWER REGULATION | IP25 WATERPROOF | DOUBLE SAFETY THERMOSTAT | SINGLE POINT

Single point instant water heater

- / Flexible installation: with compact design and water protection IP25 it can be installed inside shower box
- / Safe and secure thanks to double thermal cut out thermostat which prevent scalding

Energy Class

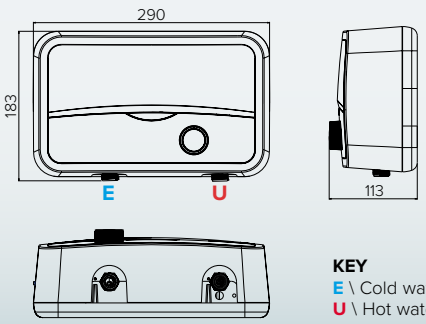
C

Features

- / Easy to install
- / Shower head & tap accessory
- / Knob power setting (4 levels) and 2 LED
- / Italian design
- / Support one water point connected directly to the product

TECHNICAL DATA		AURES S 3,5 SH UAE	AURES S 3,5 SH PL	AURES S 3,5 COM PL	AURES S 4 SH EU	AURES S 5 SH EU	AURES S 5,5 SH EU	AURES S 7 SH SASO	AURES S 7,7 SH EU
Voltage	V	220-240	220-240	220-240	220-240	220-240	220-240	220-240	220-240
Power	kW	3,5	3,5	3,5	4	5	5,5	7kW	7,7kW
Step Power	kW	1,5+2	1,5+2	1,5+2	1+3	2+3	2,2+3,3	3+4	3,3+4,4
Phase		Mono	Mono	Mono	Mono	Mono	Mono	Mono	Mono
Ampere at 220V		15,9	15,9	15,9	18,2	22,7	25	31,8	35
Frequency	Hz	50/60	50/60	50/60	50/60	50/60	50/60	50/60hz	50/60hz
Heating element		Copper	Copper	Copper	Copper	Copper	Copper	Copper	Copper
MIN Working Pressure	bar	0,3	0,3	0,3	0,2	0,2	0,2	0,3	0,3
MAX Working Pressure	bar	8	8	8	8	8	8	8	8
IP protection degree		IP25	IP25	IP25	IP25	IP25	IP25	IP25	IP25
Max working temperature	°C	55	55	55	55	55	55	55	55
Cable & Plug		no	Cable&Plug	Cable&Plug	No	No	No	No	No
Shower/Tap kit		A	A	E	A	A	A	A	A
CODE									
ErP		3520219-V	3520016-V	3520010-V	3520011-V	3520012-V	3520013-V	3520014-V	3520017-V
	Energy class	A	-	-	A	A	A	-	A
	Tapping profile	XXS	-	-	XXS	XXS	XS	-	XS

The capacity indicated in this catalogue identifies the product category. The effective capacity of the product is given in the relevant technical documentation provided with the product.



KEY
E \ Cold water inlet G 1/2"
U \ Hot water outlet G 1/2"

Aures Slim Flow

ITALIAN DESIGN | COMPACT SIZE | POWER AND TEMPERATURE MANAGEMENT | IP25 WATERPROOF | DOUBLE SAFETY THERMOSTAT | SINGLE POINT

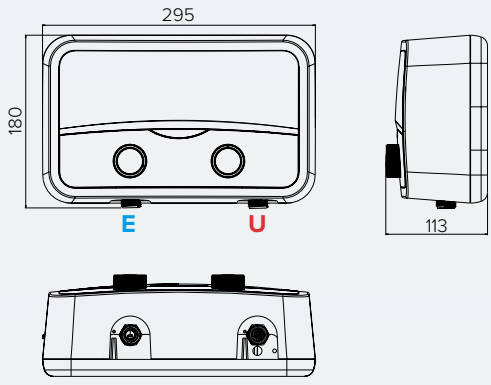
Single point instant water heater

/ Flexible installation: with compact design and water protection IP25 it can be installed inside shower box
/ Safe and secure thanks to double thermal cut out thermostat which prevent scalding

Energy Class

C

Features
/ Easy to install
/ Shower head & tap accessory
/ Knob power setting (4 levels) and 2
/ Italian design
/ Support one water point connected directly to the product



KEY
E \ Cold water inlet G 1/2"
U \ Hot water outlet G 1/2"

TECHNICAL DATA		AURES SF 5,5 COM	AURES SF 5,5 COM EU	AURES SF 7 SH EU
Voltage on tech label	V	220-240	220-240	220-240
Power	kW	5,5kW	5,5	7
Step Power	kW	2,2+3,3	2,2 + 3,3	3+4
Phase		Mono	Mono	Mono
Ampere at 220V		25	25	31,8
Frequency	Hz	50/60hz	50/60	50/60
Heating element		Copper	Copper	Copper
MIN Working Pressure	bar	0,3	0,3	0,3
MAX Working Pressure	bar	8	8	8
IP protection degree		IP25	IP25	IP25
Max working temperature	°C	55	55	55
Cable & Plug		No	no	No
Shower/Tap kit		E	E	A

CODE

ErP		3520018-V	3520220-V	3520019-V
	Energy class	-	A	A
	Tapping profile	-	XS	XS

The capacity indicated in this catalogue identifies the product category. The effective capacity of the product is given in the relevant technical documentation provided with the product.

Aures Slim Display

IP25 WATERPROOF · ITALIAN DESIGN · POWER AND TEMPERATURE MANAGEMENT · COMPACT SIZE · DOUBLE SAFETY THERMOSTAT · DIGIT DISPLAY · SINGLE POINT

Single point instant water heater with display

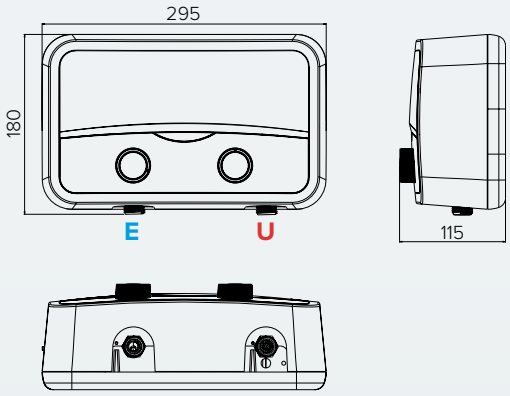
/ Flexible installation: with compact design and water protection IP25 it can be installed inside shower box
/ Safe and secure thanks to double thermal cut out thermostat which prevent scalding

Energy Class

A

Features

/ Electronic display
/ Easy to install
/ Shower head & tap accessory
/ Knob power setting (4 levels) and 2 - Italian design
/ Support one water point connected directly to the product



KEY
E \ Cold water inlet G 1/2"
U \ Hot water outlet G 1/2"

TECHNICAL DATA		AURES SD 5,5 BS EU
Voltage on tech label	V	220-240
Power	kW	5,5
Step Power	kW	2,2+3,3
Phase		Mono
Ampere at 220V		25
Frequency	Hz	50/60
Heating element		Copper
MIN Working Pressure	bar	0,2
MAX Working Pressure	bar	8
IP protection degree		IP25
Max working temperature	°C	55
Cable & Plug		No
Shower/Tap kit		D

CODE

ErP ENERGY RELATED PRODUCTS — 3520020

Energy class	A
Tapping profile	XS

The capacity indicated in this catalogue identifies the product category. The effective capacity of the product is given in the relevant technical documentation provided with the product.

Single point / Accessory Aures Slim

Model Name and composition	
KIT A - ENTRY - White Shower Head 3 Spray - White Hose - White hook	
KIT B - TAP - White Tap	
KIT C - PREM - Chrome Shower Head 3 Spray - Chrome Hose - Chrome hook	
KIT D - PREM BAR - Chrome Shower Head 3 Spray - Chrome Hose - Slide Bar	
KIT E - COMBI = KIT A + KIT B - White Shower Head 3 Spray - White Hose - White hook - White Tap	

Aures Slim Multi

ITALIAN DESIGN · EXTERNAL POWER REGULATION · COMPACT SIZE · EASY INSTALLATION · ENERGY EFFICIENT · DOUBLE SAFETY THERMOSTAT · MULTI POINT

Multi point instant water heater

- / Flexible installation: with compact design and water protection IP25 it can be installed inside shower box
- / Safe and secure thanks to double thermal cut out thermostat which prevent scalding
- / Practical thanks to flow sensor which activate the product only when user turn on the tap

Energy Class

A

Features

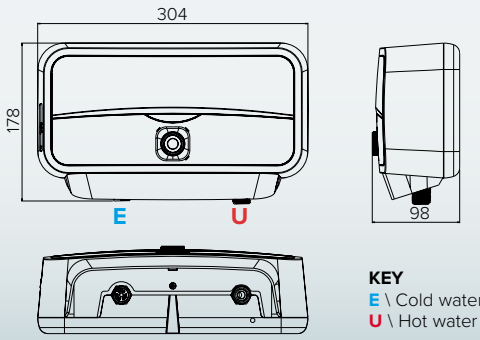
- / Easy to install
- / Knob power setting (4 levels) and 3 LED
- / Italian design
- / Support multiple water point connected directly to the product

TECHNICAL DATA		AURES SM 5 EU	AURES SM 6	AURES SM 6 EU	AURES SM 7 SASO	AURES SM 7,7	AURES SM 7 EU	AURES SM 7,7 UAE	AURES SM 8	AURES SM 9,5	AURES SM 10,5	AURES SM 12	AURES SM 12 TR EU
Voltage	V	220-240	220-240	220-240	220	220-240	220-240	220-240	220-240	220-240	220-240	220-240	400-415
Power	kW	5	6	6	7	7,7	7	7,7	8	9,5	10,5	12	12
Step Power	kW	2+3	2,5 + 3,5	2,5+3,5	3+4	3,3+4,4	3+4	3,3 + 4,4	3,8 + 4,2	4,5+5	5,25 + 5,25	4+(4+4)	4+(4+4)
Phase		Mono	Mono	Mono	Mono	Mono	Mono	Mono	Mono	Mono	Mono	Mono	Triphase
Ampere at 220V		22,7	27,3	27,3	31,8	35	31,8	35	36,4	43,2	47,7	54,5	17,3
Frequency	Hz	50/60	50/60	50/60	50/60	50/60	50/60	50/60	50/60	50/60	50/60	50/60	50/60
Safety Valve	Y/N	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y
Heating element		Copper	Copper	Copper	Copper	Copper	Copper	Copper	Copper	Copper	Copper	Copper	Copper
Min flow rate	L/MIN	2,1	2,1	2,1	2,1	2,1	2,1	2,1	2,1	2,1	2,1	2,1	2,1
MAX Working Pressure	bar	8	8	8	8	8	8	8	8	8	8	8	8
IP protection degree		IP24	IP24	IP24	IP24	IP24	IP24	IP24	IP24	IP24	IP24	IP24	IP24
Max working temperature	°C	55	55	55	55	55	55	55	55	55	55	55	55
Cable & Plug		No	No	No	No	No	No	No	No	No	No	No	No

CODE

ErP	3520021	3520216	3520032	3520026	3520025	3520030	3520221	3520217	3520027	3520218	3520029	3520031
Energy class	A	-	A	-	-	A	-	-	-	-	-	A
Tapping profile	XXS	-	XS	-	-	XS	-	-	-	-	-	XS

The capacity indicated in this catalogue identifies the product category. The effective capacity of the product is given in the relevant technical documentation provided with the product.
* Ampere at 400V



KEY
E \ Cold water inlet G 1/2"
U \ Hot water outlet G 1/2"

Aures Multi NEW

ITALIAN DESIGN · EXTERNAL POWER REGULATION · COMPACT SIZE · EASY INSTALLATION · ENERGY EFFICIENT · DOUBLE SAFETY THERMOSTAT · MULTI POINT

Multi point instant water heater with premium design

- / Flexible installation: with compact design and water protection IP25 it can be installed inside shower box
- / Safe and secure thanks to double thermal cut out thermostat which prevent scalding
- / Practical thanks to flow sensor which activate the product only when user turn on the tap

Energy Class

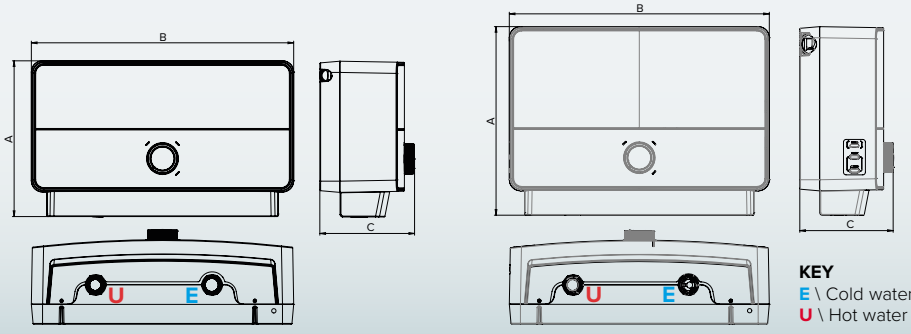
A

Features

- / Easy to install
- / Knob power setting (4 levels) and 3 LED
- / Italian design
- / Support multiple water point connected directly to the product

TECHNICAL DATA		AURES SM 5 EU	AURES SM 6	AURES SM 6 EU	AURES SM 7 SASO	AURES SM 7,7	AURES SM 7 EU	AURES SM 7,7 UAE	AURES SM 8	AURES SM 9,5	AURES SM 10,5	AURES SM 12	AURES SM 12 TR EU
Voltage	V	220-240	220-240	220-240	220	220-240	220-240	220-240	220-240	220-240	220-240	220-240	400-415
Power	kW	5	6	6	7	7,7	7	7,7	8	9,5	10,5	12	12
Step Power	kW	2+3	2,5 + 3,5	2,5+3,5	3+4	3,3+4,4	3+4	3,3 + 4,4	3,8 + 4,2	4,5+5	5,25 + 5,25	4+(4+4)	4+(4+4)
Phase		Mono	Mono	Mono	Mono	Mono	Mono	Mono	Mono	Mono	Mono	Mono	Triphase
Ampere at 220V		22,7	27,3	27,3	31,8	35	31,8	35	36,4	43,2	47,7	54,5	17,3
Frequency	Hz	50/60	50/60	50/60	50/60	50/60	50/60	50/60	50/60	50/60	50/60	50/60	50/60
Safety Valve	Y/N	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y
Heating element		Copper	Copper	Copper	Copper	Copper	Copper	Copper	Copper	Copper	Copper	Copper	Copper
Min flow rate	L/MIN	2.1	2.1	2.1	2.1	2.1	2.1	2,1	2.1	2.1	2.1	2.1	2.1
MAX Working Pressure	bar	8	8	8	8	8	8	8	8	8	8	8	8
IP protection degree		IP25	IP25	IP25	IP25	IP25	IP25	IP25	IP25	IP25	IP25	IP25	IP25
Max working temperature	°C	55	55	55	55	55	55	55	55	55	55	55	55
Cable & Plug		No	No	No	No	No	No	No	No	No	No	No	No
OVERALL DIMENSIONS													
A	mm	180	180	180	180	180	180	180	180	220	220	220	220
B	mm	304	304	304	304	304	304	304	304	304	304	304	304
C	mm	110	110	110	110	110	110	110	110	110	110	110	110
CODE													
ErP		3195211	3195234	3195220	3195214	3195213	3195218	3195237	3195235	3195215	3195236	3195217	3195219
	Energy class	A	-	A	-	-	A	A	-	A	-	A	A
	Tapping profile	XXS	-	XS	-	-	XS	XS	-	XS	-	XS	XS

The capacity indicated in this catalogue identifies the product category. The effective capacity of the product is given in the relevant technical documentation provided with the product.
* Ampere at 400V



KEY
E \ Cold water inlet G 1/2"
U \ Hot water outlet G 1/2"


ARISTON
15

Aures Pro

ITALIAN DESIGN | ELECTRONIC TEMPERATURE MANAGEMENT | CONSTANT TEMPERATURE | SYSTEM INTEGRATION | EASY INSTALLATION | ENERGY EFFICIENT | DIGIT DISPLAY | MULTI POINT

Multi point instant water heater with high power

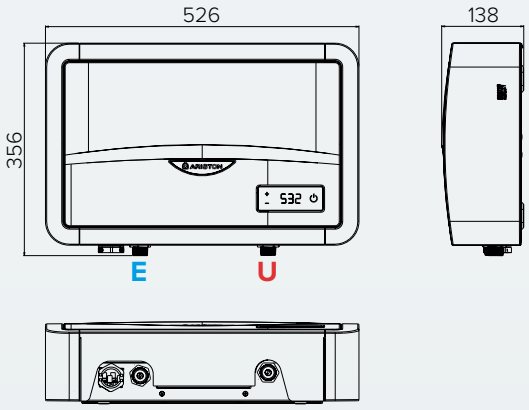
- / Flexible installation: with compact design and water protection IP25 it can be installed inside shower box
- / Safe and secure thanks to double thermal cut out thermostat which prevent scalding
- / Practical thanks to flow sensor which activate the product only when user turn on the tap

Energy Class

A

Features

- / Easy to install
- / Electronic display with soft touch pad
- / Italian design
- / Possibility to integrate with other water heating products
- / Three phase
- / Support multiple water point connected directly to the product



KEY
E \ Cold water inlet G 1/2"
U \ Hot water outlet G 1/2"

TECHNICAL DATA		AURES PRO 18 EU	AURES PRO 24 EU
Voltage	V	400-415	400-415
Power	kW	18	24
Phase		Triphase	Triphase
Ampere		26	34,7
Frequency	Hz	50/60	50/60
Heating element		Copper	Copper
Inner Tank Type		Stainless steel	Stainless steel
Min flow rate L/MIN		1,9	1,9
MAX Working Pressure	bar	10	10
IP protection degree		IP24	IP24
Max working temperature	°C	50	50
Cable		No	No

CODE

ErP		3520040	3520041
	Energy class	A	A
	Tapping profile	XS	XS

The capacity indicated in this catalogue identifies the product category. The effective capacity of the product is given in the relevant technical documentation provided with the product.

Gas instantaneous water heaters

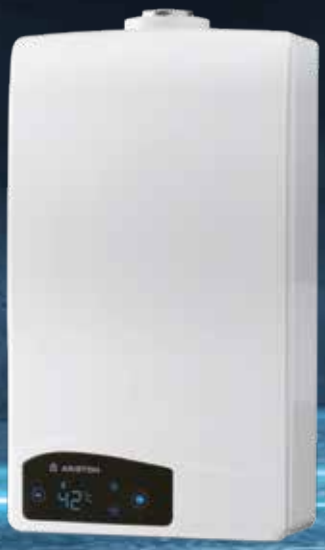
Ariston gas-fired instantant water heaters are extremely efficient and easy to install.
Since they do not have a storage tank, they provide hot water only as it is needed, at the right temperture and flow rate.
For instant comfort exactly when you need it.

- Next Outdoor Evo
- Next Evo
- Fast Evo C/B
- Fast R Display
- Fast R
- Fast
- Speed

Range:

Gas-fired instant water heaters

/ NEXT OUTDOOR EVO



/ NEXT EVO

/ FAST EVO

/ FAST R DISPLAY

/ FAST R

/ FAST

/ SPEED

Gas-fired instant water heaters

Efficient, fast, easy

Next Outdoor Evo, Next Evo, Fast Evo, Fast R and Speed. Ariston has rounded out its range with three types of gas-fired instant water heaters - the largest product range on the market, for outstanding efficiency, ease of installation and energy savings.

Once more, Ariston has the best solution for ease of installation, use and maintenance.

The technology in our new range of gas-fired instant water heaters allows them to be integrated with solar systems, and also offers a new concept control panel which combines technology with elegance, making them even easier and stylish in use.

Straightforward and reliable

The user-friendly front panel (Next Evo, Fast Evo and Fast R) and remote control (Next Outdoor) makes the units especially easy and intuitive to use.
Improved safety: from electronic ignition to operational safety equipment, from sealed chambers with forced flue gas discharge to outdoors installation with the Next Outdoor version.

Comfort

In every situation

To select the right water heater, you must consider how many delivery points there are, to be sure of obtaining total comfort.
There are five water flow ratings:

/ NEXT OUTDOOR EVO 11, 16, 20 and 24 l/min
/ NEXT EVO 11 and 16 l/min
/ FAST EVO 11, 14 and 16 l/min
/ FAST R DISPLAY 10, 11 and 14 l/min
/ FAST R 5, 10, 11 and 14 l/min
/ FAST R 10 l/min
/ SPEED 6 and 10 l/min

New concept

The Ariston range is completed by the introduction of our PROFESSIONAL models, featuring attractive design and a uniquely compact size factor.

The Next Outdoor Evo version, with its remote control, has all functions ready to hand, while its reduced size makes it ideal for installation in any outdoors location.

Gas-fired instant water heaters

	NEXT OUTDOOR EVO		NEXT EVO		FAST EVO C/B					
	16	20	11	16	11 C	14 C	16 C	11 B	14 B	16 B
MAX NOMINAL HEAT OUTPUT (kW)	28,9	36,8	19,5	28,0	19,0	24,0	27,5	19,0	24,0	27,5
MODULATION RANGE	1:6	1:5	1:4	1:5	1:2	1:3		1:2	1:3	
MINIMUM OPERATING FLOW RATE (l/min)	2,0	3,8	2,0		2,0	3,0		2,0	3,0	
MAX. ABSORBED POWER (W)	48	63	37	49	37	-	48	-		
MINIMUM OPERATING TEMPERATURE (°C)	-20		5		5					
ELECTRICITY SUPPLY	Cable		Cable		Cable			Battery		
OVERALL DIMENSIONS (mm)	563x350x130	582x375x160	550x330x167	583x369x178	580x310x210	580x370x210	580x370x230	580x310x210	580x370x210	580x370x210
WEIGHT (kg)	15,2	19,6	12,0	14,0	9,6	11,0	12,7	9,6	11,0	12,7
COMMERCIAL CODE	NG: 3632353 LPG: 3632354	NG: 3632355 LPG: optional kit	NG: 3632161 LPG: 3632160	NG: 3632165 LPG: 3632164	NG: 3632128 LPG: -	NG: 3632129 LPG: -	NG: - LPG: -	NG: 3632047 LPG: -	NG: 3632048 LPG: -	NG: - LPG: 3632476
PAGE	150		151		152					




FAST R DISPLAY		FAST R				FAST	SPEED	
10	14	5	10	11	14	10	6	10
20	27	10	20	22	27	20	10,4	19,2
-	-	-				-	-	
2,5	3	1,5	2,5	2,5	3	2,5	2	3
-	-	-				-	-	
5		5				5	-	
Battery		Battery				Battery	Battery	
550x325x210	580x370x210,8	389x300x150	550x325x210	580x310x210,8	580x370x210,8	550x328x213,5	440x300x130	630x340x185
10,2	9.8	4.8	10,2	8.9	9.8	8,7	6,5	10,6
NG: 3632715 LPG: -	NG: 3632714 LPG: -	NG: - LPG: 3510011	NG: 3510004 LPG: 3510005	NG: - LPG: 3632314	NG: - LPG: 3632316	NG: 3632710 LPG: -	NG: 3611511 LPG: 3611512	NG: 3611563 LPG: -
153		154				155	156	

Next Outdoor Evo

COMPACT SIZE | ENERGY EFFICIENT | ANTI-FREEZING | ELECTRONIC TEMPERATURE MANAGEMENT | OUTDOOR INSTALLATION | SOLAR INTEGRATION

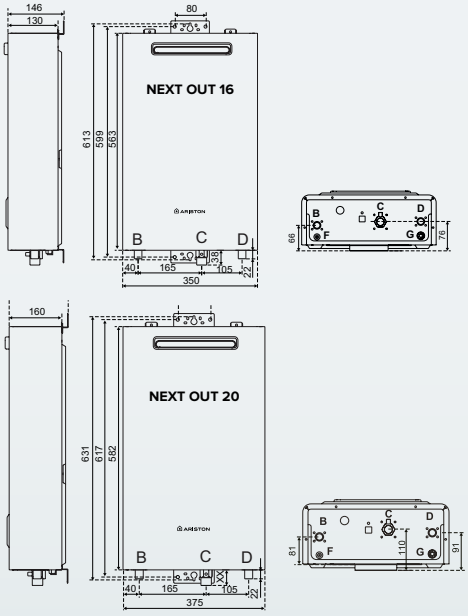
Premium gas water heater for outdoor installation

- / Increase saving up to 25% thanks to electronic ignition 220V with ionisation flame sensor
- / Superior comfort thanks to electronic valve and thermostatic modulation that grand accurate temperature control

Features

- / NTC sensor for modulating temperature control
- / A3 type outdoor installation
- / Modulation ratio up to 1:6
- / Minimum activation pressure of 0.1 bar
- / Anti-freeze mode up to -20°
- / Integration with solar heating via thermostatic valeve
- / IPX5D protection

Remote control included



KEY
B \ Domestic hot water outlet 1/2"
C \ Gas inlet 3/4"
D \ Cold water inlet 1/2"
F \ Safety valve drain
G \ Cold water inlet filter

Description	N° of units per pallet
NEXT OUTDOOR EVO 16	40

TECHNICAL DATA		16	20*
		DOMESTIC RANGE	PROFESSIONAL RANGE
Gas category		II2HM3P-I3B/P	II2H3P-I3B/P
Type		A3	A3
Weight	kg	15,2	19,6
Nominal heat output	kW	28,9	36,8
Minimum heat output	kW	6,1	8,4
Modulation range		1:6	1:4
Gas inlet pressure	mbar	20 NG - 28/37** LPG	
Rated heat output	kW	31,0	40,0
Min/max selectable temperature	°C	35-65	35-65
Maximum nominal pressure	bar	8,5	8,5
Minimum operating pressure	bar	0,1	0,1
Minimum operating flow rate	l/min	> 2,0	> 3,8
Flow rate (ΔT 25°C)	l/min	16,0	20,0
Power supply voltage (frequency 50 Hz)	V	230-50	230-50
Max. absorbed power	W	48	55
Minimum room temperature for operation	°C	-20	-20
Sound power	dB	63	66
Electrical protection rating	IP	X5D	X5D

CODE		
CODE NG	3632353	3632355
CODE GPL	3632354	kit optional

* Depending on gas type G30 or G31

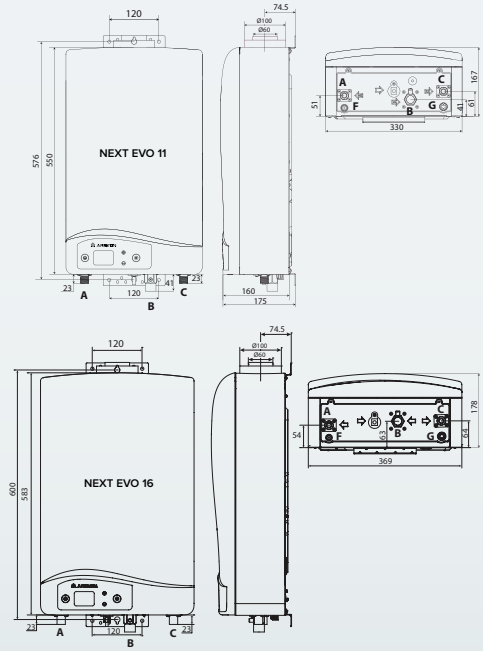
Next Evo

COMPACT SIZE | FLAT | ENERGY EFFICIENT | LED DISPLAY | ELECTRONIC TEMPERATURE MANAGEMENT | SOLAR INTEGRATION

Premium closed chamber gas water heater for indoor installation

/ Increase saving up to 25% thanks to electronic ignition 220V with ionisation flame sensor
/ Superior comfort thanks to electronic valve and thermostatic modulation that grand accurate temperature control

Features
/ NTC sensor for modulating temperature control
/ 17,5cm deep ultra compact design
/ Minimum activation pressure of 0.1 bar
/ Integration with solar heating
/ IPX4D protection



KEY
A \ Domestic hot water outlet 1/2"
B \ 3/4" Gas inlet
C \ 1/2" Cold water inlet
F \ Safety valve drain
G \ Cold water inlet filter

Description	N° of units per pallet
NEXT EVO SFT 11	48
NEXT EVO SFT 16	40

TECHNICAL DATA		11	16
Gas category		II 2HM3B/P	II 2HM3B/P
Type		C13-C33	C13-C33
Weight	kg	12	14
Nominal heat output	kW	19,5	28,0
Minimum heat output	kW	4,6	5,6
Modulation range		1:4	1:5
Rated heat output	kW	21,5	31,0
Minimum heat output	kW	5	6
Maximum nominal pressure	bar	10	10
Minimum operating pressure	bar	0,1	0,1
Minimum operating flow rate	l/min	> 2	> 2
Flow rate with heat difference (Δt) 25 °C	l/min	11	16
Power supply voltage (Freq. 50 Hz)	V	230	230
Max. absorbed power	W	37	49
Sound power	dB	58	62
Protection rating	IP	X4D	X4D
Max length of coaxial flue gas exhaust Ø 60/100 NG	m	4	4
Max length of coaxial flue gas exhaust Ø 60/100 LPG	m	4	4
Max length of split flue gas exhaust Ø 80/80 NG	m	5	4
Max length of split flue gas exhaust Ø 80/80 LPG	m	5	4

CODE

CODE NG	3632161	3632165
CODE GPL	3632160	3632164

Fast Evo C/B

LED DISPLAY | EXTERNAL TEMPERATURE REGULATION | ELECTRONIC TEMPERATURE MANAGEMENT | SOLAR INTEGRATION

Premium open chamber gas water heater for indoor installation

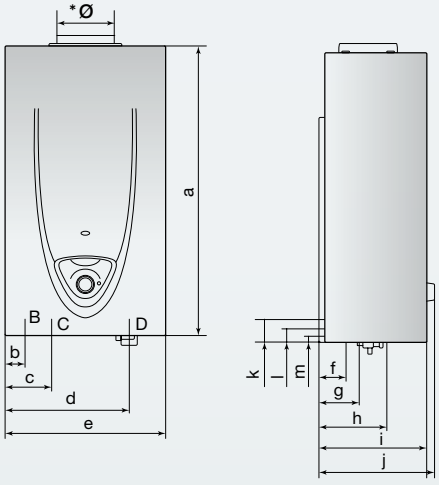
/ Superior comfort thanks to electronic valve and thermostatic modulation that grant accurate temperature control

Features

/ NTC sensor for modulating temperature control
/ Intuitive LCD display (model C)
/ Electronic flame detection
/ Minimum activation pressure of 0.1 bar
/ Available in version with electric or battery power supply cable

FAST EVO C with LCD display
electric power supply cable

FAST EVO B
model with battery



* ø 113 mm for FAST EVO B/C 11 lt model
* ø 132 mm for FAST EVO B/C 14 and 16 lt models

Description	N° of units per pallet
FAST EVO ONT C 11	48
FAST EVO ONT C 16	40
FAST EVO ONT B 11	48
FAST EVO ONT B 14	48
FAST EVO ONT B 16	40

TECHNICAL DATA		11 C	14 C	16 C	11 B	14 B	16 B
gas category		II2HM3+	II2HM3+	II2HM3+	II2HM3+	II2HM3+	II2HM3+
Type		B11BS	B11BS	B11BS	B11BS	B11BS	B11BS
Gas inlet pressure	mbar	13 NG - 28/37 LPG*					
Power supply	V	230-50	230-50	230-50	2x1,5 V LR20 batteries		
Weight	kg	9,6	11	12,7	9,6	11,0	12,7
Nominal heat output	kW	19,0	24	27,5	19,0	24	27,5
Minimum heat output	kW	8,0	9	9,0	8,0	9,0	9,0
Max. absorbed power	W	37	-	48	-	-	-
Modulation		1:2	01:03	1:3	1:2	1:3	1:3
Rated heat output	kW	21,5	27	31,0	21,5	27,0	31,0
Minimum heat output	kW	9,5	10,5	10,5	9,5	10,5	10,5
Combustion efficiency (flue gases)	%	> 89	> 89	> 89	> 89	> 89	> 89
Min/max selectable temperature	°C	35-65	35-65	35-65	35-65	35-65	35-65
Flow rate (ΔT 25°C)	l/min	11	14	16	11	14	16
Maximum nominal pressure	bar	10	10	10	10	10	10
Minimum operating pressure	bar	0,1	0,1	0,1	0,1	0,1	0,1
Sound power	dB	51	59	63	51	59	63
Minimum operating flow rate	l/min	> 2,0	3	> 3,0	> 2,0	> 3,0	> 3,0
DIMENSIONS							
a	mm	580	580	580	580	580	580
b	mm	37	70	70	37	70	70
c	mm	87	117	117	87	117	117
d	mm	228,5	264	264	228,5	264	264
e	mm	310	370	370	310	370	370
f	mm	54	48	48	54	48	48
g	mm	58,8	58,8	58,8	58,8	58,8	58,8
h	mm	131,5	131,5	131,5	131,5	131,5	131,5
i	mm	210	210	230	210	210	230
j	mm	230	230	250	230	230	250
k	mm	25	23	23	25	23	23
l	mm	16	11,2	11,2	16	11,2	11,2
m	mm	22,5	22,5	22,5	22,5	22,5	22,5

C = Electrical cable
B = Battery

CODE						
CODE NG	3632128	3632129	-	3632047	3632048	-
CODE GPL	-	-	-	-	-	3632476

* Depending on gas type G30 or G31

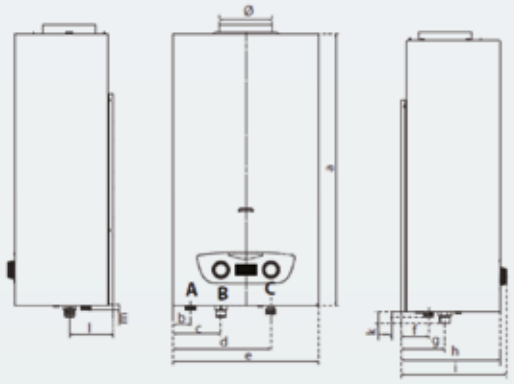
Fast R Display

ITALIAN DESIGN | EXTERNAL TEMPERATURE REGULATION | EASY INSTALLATION | EASY MAINTENANCE

Open chamber gas water heater for indoor installation with display

Features

/ Intuitive LCD display with temperature info
/ Temperature stability
/ Hot water at low flow rate
/ Easy maintenance
/ Flame off during standby
/ Complete safety - European product structure



KEY
A \ Hot water Outlet 1/2”
B \ Gas Inlet 1/2”
C \ Cold water Inlet 1/2”

TECHNICAL DATA		10	14
Minimum Nominal heat input	kW	8,5	10,5
Maximum Nominal heat output	kW	17,2	23
Minimum Nominal heat output	kW	7,2	9
D.H.W. Nominal flow rate	l/min	10	14
Gas inlet pressure	mbar	13	13
Water pressure maximum	bar	10	10
Water pressure minimum	bar	0,15	0,2
Mimimum Draft	Pa	8	12
CO2 Content	%	6,8	6,83
Required flow rate - combustion air	m3/h	33,5	45,4
Flue fumes temperature at Minimum Nominal heat input	°C	160	190
Max capacity fumes (G20)	g/s	12,5	16,9
Minimum operating room temperature	°C	5	5
Batteries		2x1,5 V	2x1,5 V
DIMENSIONS			
ø	mm	112	132
a	mm	550	580
b	mm	44,5	70
c	mm	109,3	132
d	mm	215,8	238
e	mm	325	370
f	mm	44,3	58,8
g	mm	111,4	93,3
h	mm	210	210,8
i	mm	223,7	255,2
j	mm	28	11,4
k	mm	25,7	25
l	mm	44,3	92,8
m	mm	25,7	20,1

CODE		
CODE NG	3632715	3632714

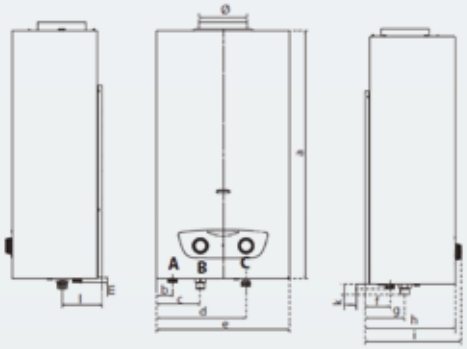
Fast R

STABLE TEMPERATURE | ITALIAN DESIGN | EXTERNAL TEMPERATURE REGULATION | EASY INSTALLATION | EASY MAINTENANCE

Open chamber gas water heater for indoor installation

Features

/ Temperature stability
/ Hot water at low flow rate
/ Easy maintenance
/ Flame off during standby
/ Complete safety - European product structure



KEY
A \ Hot water Outlet 1/2”
B \ Gas Inlet 1/2”
C \ Cold water Inlet 1/2”

TECHNICAL DATA		5	10	11	14
Maximum Nominal heat input	kW	10	20	21,5	27
Minimum Nominal heat input	kW	5,1	8,5	8,5	10,5
Maximum Nominal heat output	kW	8,7	17,2	18,5	23
Minimum Nominal heat output	kW	4,3	7,2	7,2	9
D.H.W. Nominal flow rate	l/min	5	10	11	14
Gas inlet pressure	mbar		20 NG - 28/37* LPG		
Water pressure maximum	bar	10	10	10	10
Water pressure minimum	bar	0,15	0,15	0,15	0,2
Mimimum Draft	Pa	-	8	8	12
CO2 Content	%	-	6,8	6,66	6,83
Required flow rate - combustion air	m^3/h	18,9	33,5	35,9	45,4
Flue fumes temperature at Minimum Nominal heat input	°C	195	160	170	190
Max capacity fumes (G20)	g/s	6,9	12,5	13,4	16,9
Minimum operating room temperature	°C	5	5	5	5
Electricity supply - batteries		2x1,5V LR20	2x1,5 V LR 20	2x1,5 V LR 20	2x1,5 V LR 20
DIMENSIONS					
ø	mm	170	112	113	132
a	mm	389	550	580	580
b	mm	41	44,5	37	70
c	mm	96,75	109,3	102	132
d	mm	203,25	215,8	208	238
e	mm	300	325	310	370
f	mm	26,7	44,3	58,8	58,8
g	mm	50,8	111,4	93,3	93,3
h	mm	150	210	210,8	210,8
i	mm	-	223,7	255,2	255,2
j	mm	-	28	11,4	11,4
k	mm	-	25,7	25	25
l	mm	-	44,3	92,8	92,8
m	mm	-	25,7	20,1	20,1

CODE				
CODE NG	3632230	3632215	3632217	3632219
CODE GPL	3632231	3632214	3632216	3632218

* Depending on gas type G30 or G31

Fast

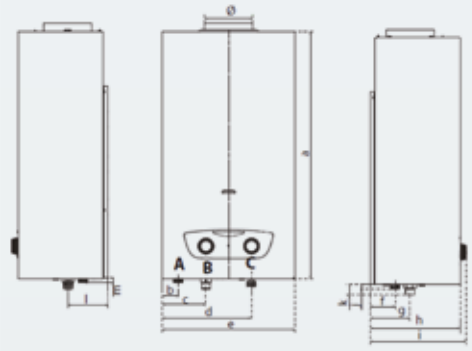
STABLE TEMPERATURE | ITALIAN DESIGN | EXTERNAL TEMPERATURE REGULATION | EASY INSTALLATION | EASY MAINTENANCE

Open chamber gas water heater for indoor installation

Features

/ Temperature stability
/ Hot water at low flow rate
/ Easy maintenance
/ Flame off during standby
/ Complete safety - European product structure

TECHNICAL DATA 10



KEY
A \ Hot water Outlet 1/2”
B \ Gas Inlet 1/2”
C \ Cold water Inlet 1/2”

Maximum Nominal heat input	kW	20
Minimum Nominal heat input	kW	8
Maximum Nominal heat output	kW	17
Minimum Nominal heat output	kW	6,8
D.H.W. Nominal flow rate	l/min	10
Gas inlet pressure	mbar	13
Water pressure maximum	bar	10
Water pressure minimum	bar	0,15
Mimimum Draft	Pa	
CO2 Content	%	6,8
Required flow rate - combustion air	m3/h	33,5
Flue fumes temperature at Minimum Nominal heat input	°C	170
Max capacity fumes (G20)	g/s	6,4
Minimum operating room temperature	°C	5
Batteries		2x1,5 V

DIMENSIONS

ø	mm	113
a	mm	550
b	mm	75
c	mm	111
d	mm	218
e	mm	328
f	mm	36.6
g	mm	84.3
h	mm	213.5
i	mm	230
j	mm	17.4
k	mm	28.2
l	mm	83.3
m	mm	27

CODE

CODE NG	3632219
CODE GPL	3632218

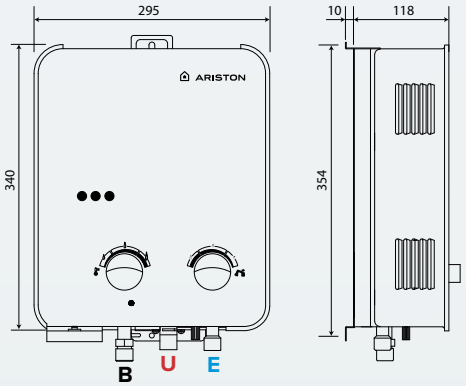
Speed

EASY INSTALLATION

COMPACT SIZE

Open chamber gas water heater for indoor installation

Features
/ Solid brass water valve
/ Copper heat exchanger
/ Ecological polyurethane insulation



KEY
E \ Cold water inlet G 1/2"
U \ Hot water outlet G 1/2"
B \ Gas inlet G 1/2"

TECHNICAL DATA		6	10
Maximum Nominal heat input	kW	10	20
Minimum Nominal heat input	kW	5	8
Maximum Nominal heat output	kW	8,2	17
Minimum Nominal heat output	kW	3,95	7,6
D.H.W. Nominal flow rate	l/min	6	10
Gas inlet pressure	mbar	20 NG - 28/37* LPG	
Water pressure maximum	bar	10	10
Water pressure minimum	bar	> 0,25	> 0,25
CO2 Content	%	-	6,8
Required flow rate - combustion air	m3/h	18,9	35
Flue fumes temperature at Minimum Nominal heat input	°C	195	161
Max capacity fumes (G20)	g/s	6,9	13
Minimum operating room temperature	°C	5	5
Batteries		2x1,5 V	2x1,5 V
DIMENSIONS			
a	mm	300	340
b	mm	110	110
c	mm	130	185
h	mm	440	630

CODE		
CODE NG	3510000	3510002
CODE GPL	3510001	3510003

* Depending on gas type G30 or G31

Gas-fired instant water heater accessories

ACCESSORIES FOR NEXT OUTDOOR GAS-FIRED INSTANT WATER HEATERS

Plumbing kits (first installation and replacement)	Code
First installation plumbing kit (copper pipes - 1/2'' cold water intake cock)	3612403
Replacement plumbing kit (L=400 mm hoses - 1/2'' cold water intake cock)	3612404

Solar kit	Code
Solar kit - thermostatic mixer	3024085

Gas conversion kit	Code
LPG to METHANE conversion kit for Next Outdoor 11 l	3632004
METHANE to LPG conversion kit for Next Outdoor 11 l	3632005
LPG to METHANE conversion kit for Next Outdoor 16 l	3632006
METHANE to LPG conversion kit for Next Outdoor 16 l	3632007
METHANE/LPG to PROPANE/AIR MIX conversion kit for Next Outdoor 11 l	3632008
METHANE/LPG to PROPANE/AIR MIX conversion kit for Next Outdoor 16 l	3632009
METHANE to LPG conversion kit for Next Outdoor 20 and 24 l	3632096
METHANE/LPG to PROPANE/AIR MIX conversion kit for Next Outdoor 20 and 24 l	3632097

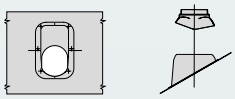
Gas-fired instant water heater accessories

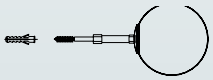
ACCESSORIES FOR NEXT EVO SEALED CHAMBER GAS-FIRED INSTANT WATER HEATERS

60/100 coaxial systems	
Parts	**Code**
COAXIAL ELBOW M/F 90° Coaxial elbow 90° Ø60/100.	3318003
COAXIAL ELBOW M/F 45° Coaxial elbow 45° Ø 60/100.	3318004 2 pc package
COAXIAL EXTENSION M/F L 1000 Coaxial pipe Ø 60/100 M/F L 1000 mm with centring spring.	3318005
COAXIAL EXTENSION M/F L 500 Coaxial pipe Ø 60/100 M/F L 500 mm with centring spring.	3318006
COAXIAL EXTENSION M/F L 250 Coaxial pipe Ø 60/100 M/F L 250 mm with centring spring.	3318007
PITCHED ROOF TILE FOR BLACK DUCT Roof tile with black metal cover Ø125, angle 12° to 40°.	3318009
PITCHED ROOF TILE FOR RED DUCT Roof tile with red metal cover Ø125, angle 12° to 40°.	3318010
FLAT ROOF TILE FOR BLACK DUCT Roof tile with black metal cover Ø 125.	3318011
FLAT ROOF TILE FOR RED DUCT	3318012
WALL BRACKET KIT Ø 80-125 adjustable wall bracket complete with anchor plugs	3318015 3 pc package
WALL COVER PLATE n. 1 EPDM wall cover plate for coaxial discharge Ø100.	3318016
COMPLETE HORIZONTAL FLUE GAS DISCHARGE KIT (adapter + 1mt + end piece)	3318932
COMPLETE VERTICAL FLUE GAS DISCHARGE KIT (adapter + 1mt + end piece)	3318645





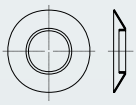





Gas-fired instant water heater accessories

ACCESSORIES FOR NEXT EVO SEALED CHAMBER GAS-FIRED INSTANT WATER HEATERS

Split suction/discharge systems Ø 80/80 mm	
Parts	**Code**
ELBOW Ø 80 M/F 90°	3318019
ELBOW Ø 80 M/F 45° (2 PCS)	3318020
EXTENSION Ø 80 M/F L1000	3318023
EXTENSION Ø 80 M/F L500 (10 PCS)	3318025
WALL COVER PLATE Ø 80	3318032
SPLITTER 60/100 to 80/80	3318958
HORIZONTAL FLUE GAS DISCHARGE END PIECE 80 mm	3318967
VERTICAL FLUE GAS DISCHARGE END PIECE Ø80 BLACK	3318031
Ø80 HORIZONTAL SUCTION END PIECE	3318028



Gas-fired instant water heater accessories

ACCESSORIES FOR NEXT EVO SEALED CHAMBER GAS-FIRED INSTANT WATER HEATERS

Plumbing kits (first installation and replacement)	Code
First installation plumbing kit (cold water connection pipes)	3612403
Replacement plumbing kit (L=50 mm water hoses - cold water intake hose)	3612404

Solar kit	Code
Solar kit - thermostatic mixer	3024085

Gas conversion kit	Code
METHANE to LPG conversion kit for 11 l	3632286
LPG to METHANE conversion kit for 11 l	3632285
METHANE to LPG conversion kit for 16 l	3632288
LPG to METHANE conversion kit for 16 l	3632287
METHANE to PROPANE/AIR MIX conversion kit for 11 l	3632289
METHANE to PROPANE/AIR MIX conversion kit for 16 l	3632290

ACCESSORIES FOR FAST EVO / FAST R OPEN CHAMBER GAS-FIRED INSTANT WATER HEATERS

Installation accessories	Code
First installation/replacement hydraulic kit	3632078

Gas conversion kit (FAST EVO)	Code
LPG to METHANE conversion kit for 11 l models	3632066
METHANE to LPG conversion kit for 11 l models	3632067
METHANE to PROPANE/AIR MIX conversion kit for 11 l models	3632068
LPG to METHANE conversion kit for 14 l models	3632070
METHANE to LPG conversion kit for 14 l models	3632072
METHANE to PROPANE/AIR MIX conversion kit for 14 l models	3632115
LPG to METHANE conversion kit for 16 l models	3632071
METHANE to LPG conversion kit for 16 l models	3632073
METHANE to PROPANE/AIR MIX conversion kit for 16 l models	3632116

Solar integration kit	Code
Thermostatic mixing valve	3632077

Gas storage water heaters

Ariston gas storage water heaters will ensure hot water comfort in short time without compromising on energy saving.

- S/SGA
- AGF
- SGA
- NHRE

Gas-Heated storage tanks

	S/SGA			SGA
	50	80	100	300
TYPE OF CHAMBER	Open			Open
TYPE OF FLOW	Circulation kit			Circulation kit
HEAT OUTPUT (kW)	3,5	5,2		16,7
HEATING TIME ΔT 45°C (h)	1,01	1,00	1,17	1,05
WATER IN CONTINUOUS MODE AT 40 °C (l/h)	96	144		407
WATER DURING FIRST HOUR AT 40°C (l)	212	322	375	842
OVERALL DIMENSIONS (mm)	H: 675 L: 495 D: 520	H: 795 L: 495 D: 520	H: 950 L: 495 D: 520	H: 1681 L: 632 D: 657
WEIGHT (kg)	27	31	35	107
COMMERCIAL CODE	002118	003041	004001	006126
PAGE	166			167

AGF			NHRE
115	150	200	90
Open			Open
Circulation kit			Circulation kit
7,5	8,4	10,1	100,0
1,03	1,13		0,12
182	205	245	2924
475	534	733	3504
H: 1200 L: 495 D: 520	H: 1450 L: 495 D: 520	H: 1700 L: 495 D: 520	H: 2025 L: 700 D: 781
43	53	61	270
006253	006254	006255	006484
168			169

S/SGA

MADE IN ITALY | TITAN SHIELD | HIGH EFFICIENCY INSULATION | EXTERNAL TEMPERATURE REGULATION

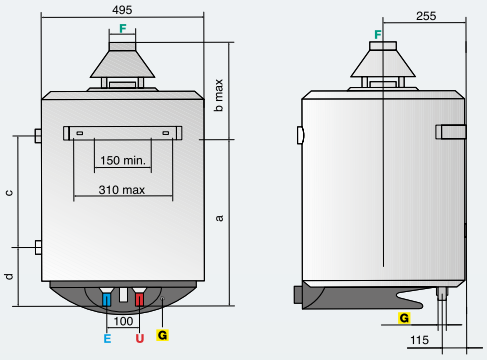
Gas water heater with small capacity tank for wall-hung applications

Features

/ Temperature control
/ Piezoelectric ignition system
/ Ecological polyurethane insulation
/ Titanium glasslined inner tank tested at 16 bar
/ Exclusive triple safety device gas valve
/ Prearranged for methane gas, can be converted to LPG (nozzle kit included)

Energy Class

B



KEY
E \ Cold water inlet G 1/2”
G \ Gas inlet G 1/2”
U \ Hot water outlet G 1/2”
F \ Exhaust flue Ø 81 mm

TECHNICAL DATA		50 V	80 V	100 V
Capacity	l	50	77	100
Input power	kW	3,5	5,2	5,2
Output power	kW	2,95	4,4	4,4
Heating time (ΔT= 45°C)	hh:mm	01:01	01:00	01:17
40°C water per use*	l/h	96	144	144
1st hour water at 40°C*	l	212	322	375
NG consumption	m^3/h	0,37	0,55	0,55
LPG consumption	Kg/h	0,275	0,41	0,41
Max. Working Pressure	bar	8	8	8
Weight	kg	27	31	35
DIMENSIONS				
a	mm	315	490	635
b	mm	360 max	305 max	315 max

* According to EN 89:2008

CODE			
	002118	003041	004001

The capacity indicated in this catalogue identifies the product category. The effective capacity of the product is given in the relevant technical documentation provided with the product.

* Only NG version. LPG transformation gas kit available as accessory.

SGA

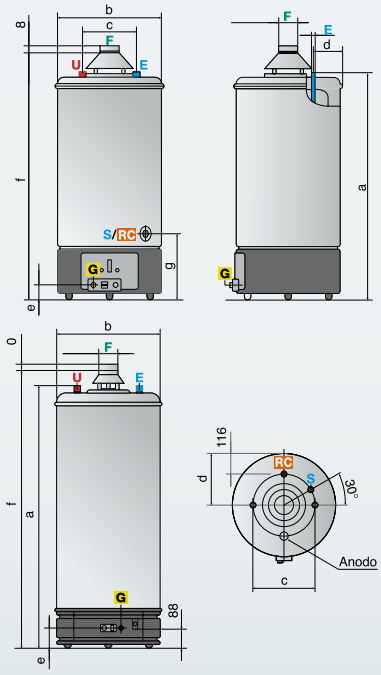
MADE IN ITALY

EXTERNAL TEMPERATURE REGULATION

Gas water heater with big capacity tank

Features

- / Operation without electrical connections
- / Enamelled boiler
- / Magnesium anode
- / Piezoelectric ignition system
- / Prearranged for methane gas, can be converted to LPG (nozzle kit included)
- / Triple safety gas valve
- / Also operational at minimum water pressures



KEY

E \ Cold water inlet G 3/4”
U \ Domestic hot water outlet G 3/4”
G \ Gas inlet G 1/2”
F \ Flue gas discharge Ø 81 mm (100 mm 200 - 111 mm 300)
RC \ Recirculation G Ø 3/4”
S \ Discharge G Ø 3/4”

TECHNICAL DATA		300P CA
Capacity	l	275
Heat output	kW	16,7
Useful power	kW	14,2
Heating time (ΔT= 45°C)	h. mins	1,05
Water in continuous mode at 40°C	l/h	407
Water during first hour at 40°C	l	842
Methane gas consumption*	m^3/h	1,77
Liquid petroleum gas consumption*	kg/h	1,315
Max. operating pressure	bar	8
Net weight	kg	107
DIMENSIONS		
a	mm	1625
b	mm	632
c	mm	400
d	mm	316
e	mm	116
f	mm	1681
g	mm	-

* In normal conditions: 15°C, 1013 mbar

CODE

006126

NOTE: The capacity listed in this catalogue identifies the product category.
The actual product capacity is listed in the relative technical documentation.

The capacity indicated in this catalogue identifies the product category. The effective capacity of the product is given in the relevant technical documentation provided with the product.

AGF

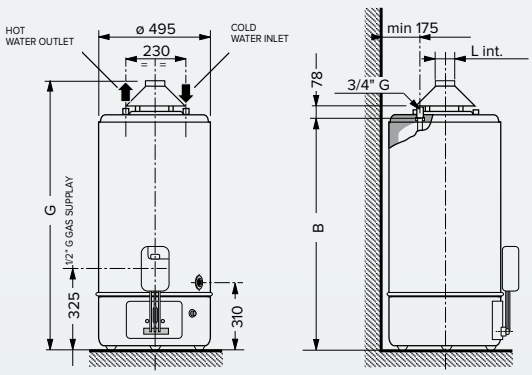
MADE IN ITALY

EXTERNAL TEMPERATURE REGULATION

Gas water heater with big capacity tank

Features

/ Operation without electrical connections
/ Enamelled boiler
/ Magnesium anode
/ Piezoelectric ignition system
/ Prearranged for methane gas, can be converted to LPG (nozzle kit included)
/ Triple safety gas valve
/ Also operational at minimum water pressures



TECHNICAL DATA		120	150	200
Capacity	l	115	155	195
Heat output	kW	7,5	8,4	10,1
Useful power	kW	6,4	7,2	8,6
Heating time (ΔT= 45°C)	h. mins	1,03	1,13	1,13
Water in continuous mode at 40°C	l/h	182	205	245
Water during first hour at 40°C	l	475	534	733
Methane gas consumption*	m^3/h	0,794	0,889	1.069
Liquid petroleum gas consumption*	kg/h	0.591	0.662	0.795
Max. operating pressure	bar	8	8	8
Net weight	kg	43	53	61
DIMENSIONS				
B	mm	1040	1290	1540
G	mm	1200	1450	1700
L	mm	81	81	100

* In normal conditions: 15°C, 1013 mbar

CODE			
	006253	006254	006255

NOTE: The capacity listed in this catalogue identifies the product category.
The actual product capacity is listed in the relative technical documentation.

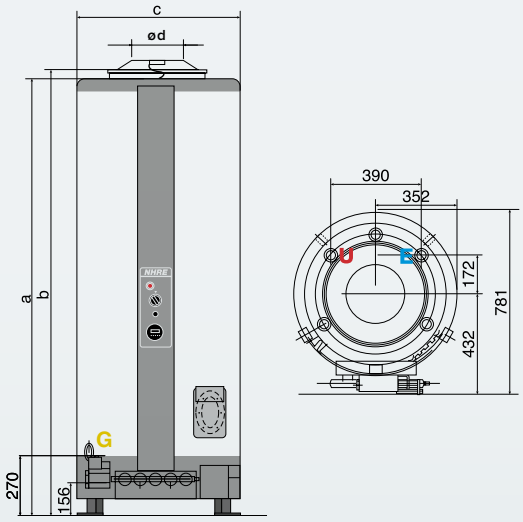
The capacity indicated in this catalogue identifies the product category. The effective capacity of the product is given in the relevant technical documentation provided with the product.

NHRE

MADE IN EUROPE | ANTI-CORROSION | EXTERNAL TEMPERATURE REGULATION | EASY INSPECTION

Features

/ Operation without electrical connections
/ Enamelled boiler
/ Magnesium anode
/ Piezoelectric ignition system
/ Prearranged for methane gas, can be converted to LPG (nozzle kit included)
/ Triple safety gas valve
/ Also operational at minimum water pressures



KEY

E \ Cold water inlet G 1" (18/60) - G 1 1/2" (90)
U \ Domestic hot water outlet G 1" (18/60) - G 1 1/2" (90)
F \ Flue gas discharge
Ø 125 mm (18) - Ø 139.8 mm (26)
Ø 167.8 mm (36) - Ø 181.2 mm (60)
Ø 230 mm (90)
RC \ Recirculation G 1 1/4" (G 3/4" 500)
S \ Outlet G 1 1/2"

TECHNICAL DATA		90
Capacity	l	315
Heat output	kW	100
Useful power	kW	85.0
Heating time (ΔT= 45°C)	h. mins	0.12
Water in continuous mode at 40°C	l/h	2924
Water during first hour at 40°C	l	3504
Methane gas consumption*	m^3/h	10.570
Liquid petroleum gas consumption*	kg/h	7.760
Max. operating pressure	bar	7
Net weight	kg	270
DIMENSIONS		
a	mm	2000
b	mm	2025
c	mm	700

* In normal conditions: 15°C, 1013 mbar

CODE

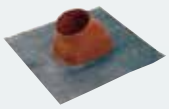
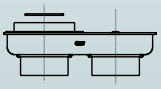
006484

NOTE: The capacity listed in this catalogue identifies the product category.
The actual product capacity is listed in the relative technical documentation.

The capacity indicated in this catalogue identifies the product category. The effective capacity of the product is given in the relevant technical documentation provided with the product.

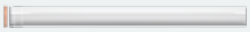
Gas-fired storage tank accessories

NHRE accessories	Code
Flue gas discharge kit NHRE 90	397766

Universal accessories for gas-fired storage tanks	Code	
Black lead cap for pitched roof	3318009	
Red lead cap for pitched roof	3318010	
Black lead cap for flat roof	3318011	
Black roof discharge end piece kit Ø 60/100	3318013	
Red roof discharge end piece kit Ø 60/100	3318014	
Conveyor inlet Ø 80/80 outlet Ø 60/100	3318033	

Universal accessories for gas-fired storage tanks	Code
Elbow M/F 90° Ø 80	3318019
Elbow kit M/F 45° Ø 80 (2 pcs)	3318020
Suction extension kit M/F Ø 80 L=1000	3318023
Extension kit Ø 80 L=500 (10 pcs)	3318025
Suction end piece Ø 80	3318028
Stainless steel wind-proof end piece for flue gas discharge Ø80	3318027
Condensate collector stub pipe Ø 80	3318026
Cover plate kit Ø 80 (2 pcs)	3318032
Safety unit for storage tank	**Code**
Hydraulic safety assembly 1/2"	877084
Hydraulic safety assembly 3/4"	877085
Siphon 1"	877086





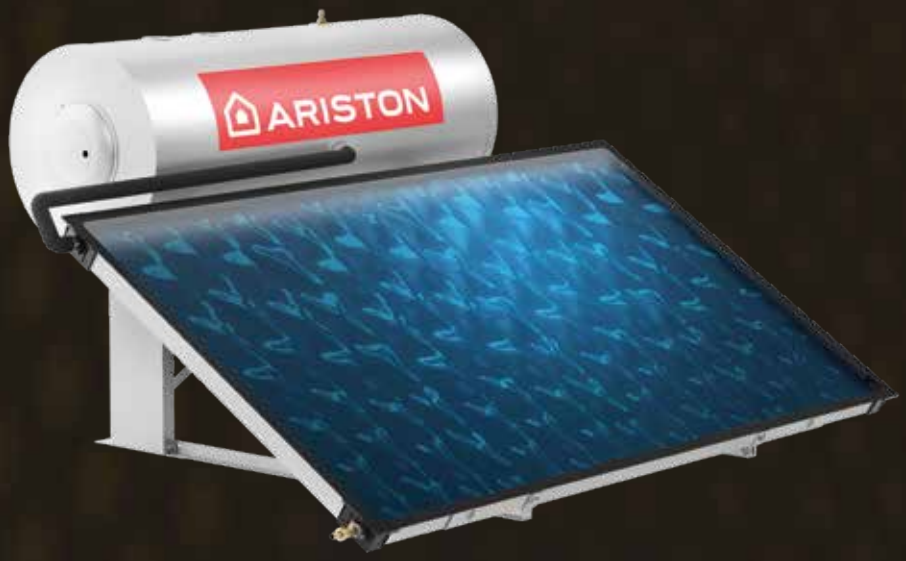


Integrated solar thermal systems

Ariston integrated solar thermal systems capture the energy from the sun to deliver heating and hot water all year round.
They are the most practical and green choice to ensure true comfort at home while saving money on bills.

- Kairos Thermo HF-2
- Kairos Thermo DR-2
- Kairos Fast

Range:
Kairos Solar Water Heating systems



/ KAIROS THERMO HF-2

/ KAIROS THERMO DR-2

/ KAIROS FAST
/ CD1 CF-1
/ CD2 CF-1

Ariston cares about a cleaner world

Energy efficiency is becoming a more and more common word when talking about domestic hot water production and delivery. The growing concern for the future of the environment we are living in, and the desire to leave a green and healthy world to future generations is creating a shift in the demand from traditional technology towards high-efficiency and renewable products. Modern technologies like solar systems and air to water heat pumps perfectly serve the scope. They use a clean and renewable source, either sun or air, to heat the water thus giving you maximum comfort while reducing polluting emissions and protecting the environment.
Ariston Thermo Group, a leading brand in thermal comfort, has been proposing alternative energy-efficient solutions worldwide since many years.

With its wide range of solar systems (both natural and forced circulation) and air-to-water heat pumps (both monoblock and split versions) is capable of offering in every situation the right solution to give its end-user hot water with an environmentally friendly attitude.

Ariston Thermo Group has committed itself to a long-term challenge: reach 80% of its sold products only on high-energy efficiency and renewable products by 2020 in order to bring a tangible change in the world we are living in.

Do you want to take part to this change?

Ariston quality

Simply “made in italy”

International quality certification

All Ariston factories are certified by CSQ, a member of the International Certification Network IQNet.
As a result, all Ariston products are manufactured in compliance with the highest standards, guaranteeing reliability and high-quality.
Every year all the plants are involved in a competition aimed to improve the quality level of the production.

3 Milestones of quality

Customer satisfaction is Ariston’s main concern and this is why quality is constantly monitored at every level through:

- **Incoming control** of the raw materials and components
- **Process Control** aiming to intercept the potential defects in earlier stages of the manufacturing process
- **Product Testing** of 100% of the production in the line to assure the correct functioning of the product

Italian technology & design

Driven by innovation but still linked to its roots.
This is the perfect mix that represent Ariston attitude and that pushes the members of the R&D department to develop more efficient, eco-friendly and reliable products always with the quality and design typical of the Italian manufacturing tradition.

Ariston solar systems

30 Years of experience at your service

When you install an ariston solar system at your home, you are not simply installing a product; you are bringing at your home 30 years of experience, system design, products test and evolution.

1982

Ariston opens the first plant for the production of solar collectors to contrast rising price of oil in Europe, that at that time was incentivizing green technologies.
In the first year the record production of 44.000 m2 was reached.
Ariston Thermo immediately became a leader in this sector.
The production was meant just for Italy at that time and we kept manufacturing collectors in Cerreto (Italy) till 2001.

1983

The first Ariston solar collector is officially certified by ENEL, national authority of energy in Italy.
Ariston solar collectors are used to realize one full wall of a skyscraper in Milan.

2002

Acquisition of Elco company, leader in north west Europe in heating and with a long tradition in solar systems. All the products in the actual range are tested separately by Ariston (Italy) and Elco (Germany) to ensure covering all possible working conditions.

2004

Opening of a new solar plant in India for Indian Market only.
Starting the production of vacuum tube in China. Tubes and manifold technology are patented by Ariston.

2007

Serra De' Conti plant (Italy) was opened and became the center of the R&D dept for all the plants. Serra De' Conti is one of the most technologically advanced plant in Europe.

2012

"Sun&wind Energy" magazine, places Ariston as first manufacturer of solar collectors in Italy.

OBJECT:
test on flat collectors according to 80/ PDB/001 specification.
Collector model RAV 1,8 4L/E3

With the following letter we are pleased to inform you that your collector model RAV 1.8 4L/E3, whose characteristics are those certified in the technical drawing sent to PHOEBUS and shown in the attached, are compliant to the 80/PDB/001 requirements and therefore, as soon as ENEL will promote solar water heaters to its end-users, your collector can be part of the offer as per the conditions agreed.

Ente Nazionale per l'Energia Elettrica
Enel

17 Giu 1983
Prot. n. 03509

Spett.le
MERLONI ELETTRODOMESTICI S.p.A.
Viale Aristide Merloni, 45
60044 FABRIANO (AN)

OGGETTO: Prove su collettori piani secondo specifiche 80/PDB/001
Collettore Mod. RAV. 1.8 4L/E3

Con la presente abbiamo il piacere di comunicarVi che il Vostro collettore mod. RAV. 1.8 4L/E3, le cui caratteristiche sono quelle da Voi certificate nei disegni trasmessi alla PHOEBUS e indicate nell'allegato, è risultato conforme alle specifiche in oggetto e pertanto, non appena l'E - NEL promuoverà presso i propri utenti la produzione di acqua calda mediante impianti a collettori solari, esso potrà farne parte alle condizioni tecniche particolari riportate in allegato.

Con i migliori saluti.

Our first solar collector was certified in 1983 by the italian national body of energy.

Ariston **solar thermal**

Quality guaranteed

Certified energy efficiency

The Ariston collectors have maximum efficiency levels and respond to the EN 12975 Standard. All of this has been checked by strict tests performed at accredited research centres. The new products have acquired the Solar Keymark.

Ariston also distinguishes itself for the attention reserved for its customers in the after-sales period. The five year warranty covers the collector and the cylinder, while the electronic control unit, the pump unit and the accessory kits are guaranteed for two years.

Longer lasting and safer

Anti-reflective and hail-proof.

The special highly transparent toughened glass of the Ariston collectors reflects the incident solar rays to a minimum, thus loosing little energy.

The solar energy absorbed is also withheld thanks to its prismatic surface, which creates a “greenhouse effect” inside the collector.

The maximum efficiency is accompanied by the safety of toughened glass, tested against hail.

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

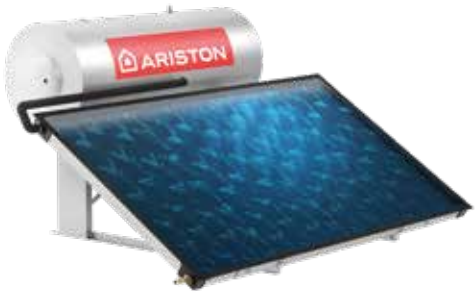
Natural circulation

Simple, reliable, economic, reduced maintenance.

Forced circulation

Efficient flexible, architectonic integration, in symbiosis with the boiler.

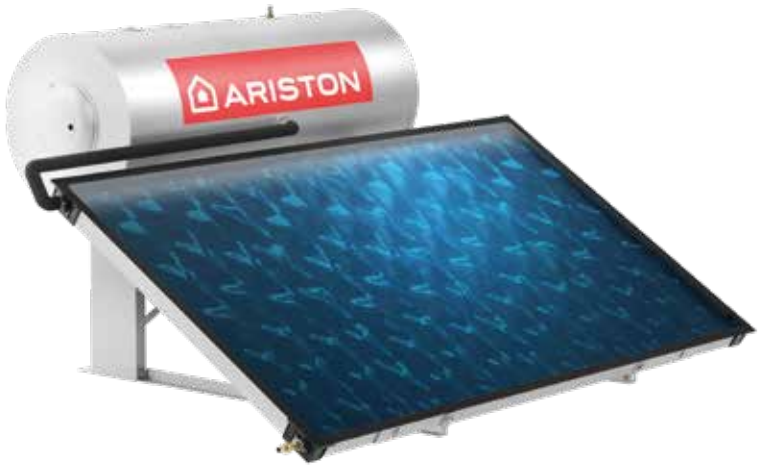
Complete Systems



	KAIROS THERMO HF-2				KAIROS THERMO DR-2			
	150-1	200-1	200-2	300-2	100-1	150-1	200-1	250-2
TYPE OF CIRCULATION	natural				natural			
ROOF INSTALLATION	yes				yes			
GROUND AND FLAT ROOF INSTALLATION	yes				yes			
TYPE OF SYSTEM	indirect				direct			
ELECTRO SOLAR VERSIO AVAILABLE	yes				yes			
NUMBER OF COLLECTORS	1	1	2	2	1	1	1	2
GROSS AREA (m^2)	2,2				1,92			
EXPANSION VESSEL	not needed				not needed			
SENSYS	not needed				not needed			
TANK ENERGY CLASS	-				-			
TANK EMPTY WEIGHT (kg)	50	60	60	85	34	44	51	61
COLLECTOR WEIGHT (kg)	35				30,6			
SOLAR KEYMARK	yes				yes (only collector),			
PAGE	184				188			

KAIROS FAST CD1 CF-1			KAIROS FAST CD2 CF-1	
150-1	200-2	300-2	200-2	300-2
forced			forced	
yes			yes	
yes			yes	
indirect			indirect	
-			-	
1	2	2	2	2
2,01			2,01	
included, 16 l			included, 16 l	
included			included	
B	C	C	C	C
82	110	119	114	131
29,5			29,5	
yes (only collectors)			yes (only collectors)	
190			190	

Kairos Thermo HF-2 NEW



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

Features
- / Refined design
- / Solar keymark certification
- / Tempered glass with low iron
- / Safety valve and thermostat*

*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)

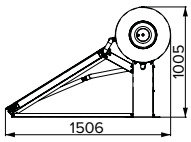
ENERGY EFFICIENT | ITALIAN DESIGN | HAIL PROOF | SOLAR KEYMARK

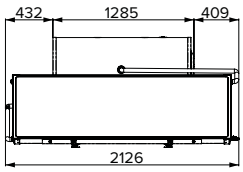
LIST OF COMPONENTS		KAIROS VN 2.2-2 code 3020083	SOLAR ENAMELED TANK HF-2 150 ARISTON code 3207107	SOLAR ENAMELED TANK HF-2 200 ARISTON code 3207115	SOLAR ENAMELED TANK HF-2 300 ARISTON code 3207109	SOLAR ENAMELED TANK HF-2-E 2KW150 ARISTON code 3207111	SOLAR ENAMELED TANK HF-2-E 2KW200 ARISTON code 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 HF-2 NEW

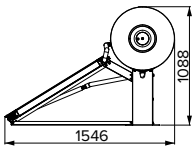
TEHCNICAL DRAWING - INCLINED (mm)

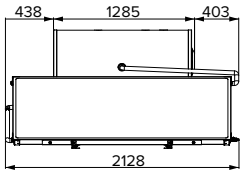
150 LITERS 1 COLLECTORS



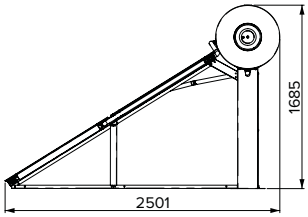


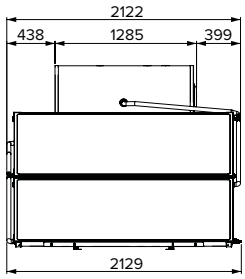
200 LITERS 1 COLLECTORS



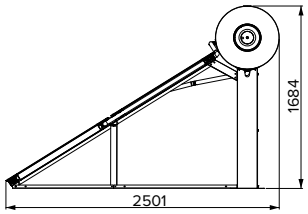


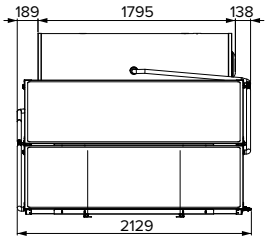
200 LITERS 2 COLLECTORS



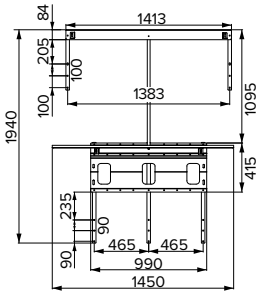


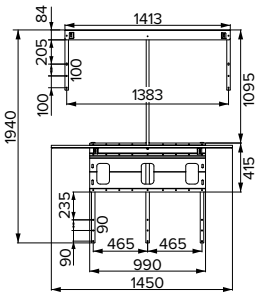
300 LITERS 2 COLLECTORS

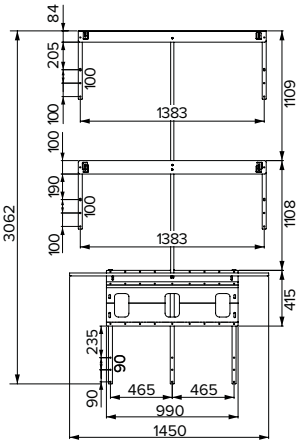


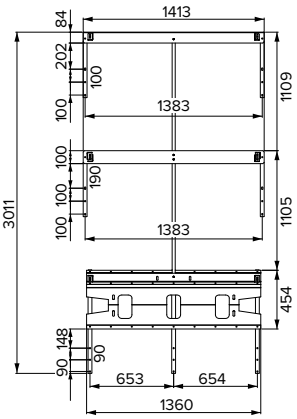


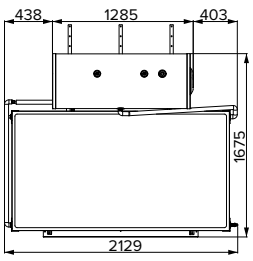
TEHCNICAL DRAWING - FLAT (mm)

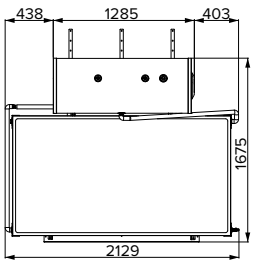


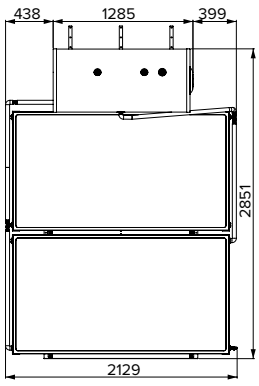


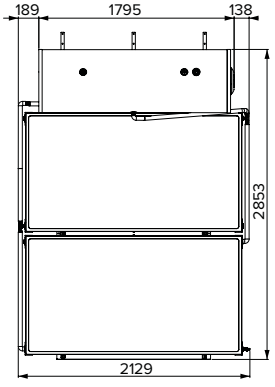






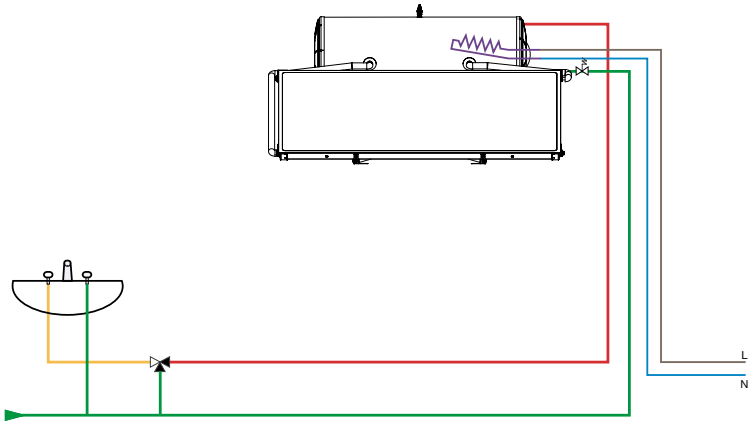




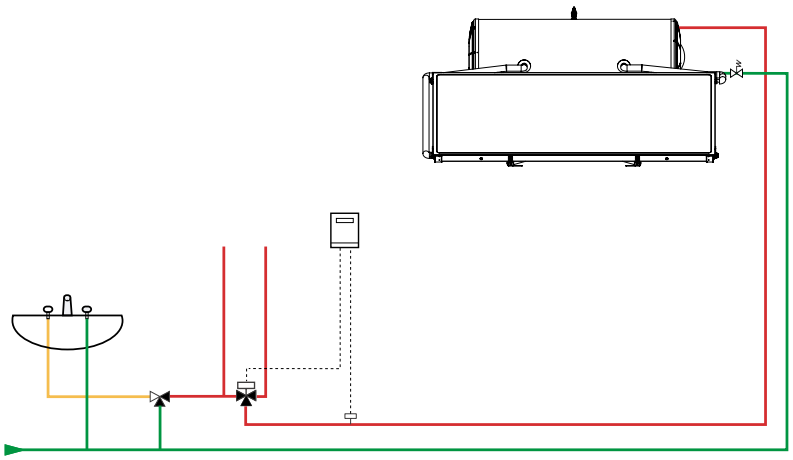


MAIN SYSTEM LAYOUTS

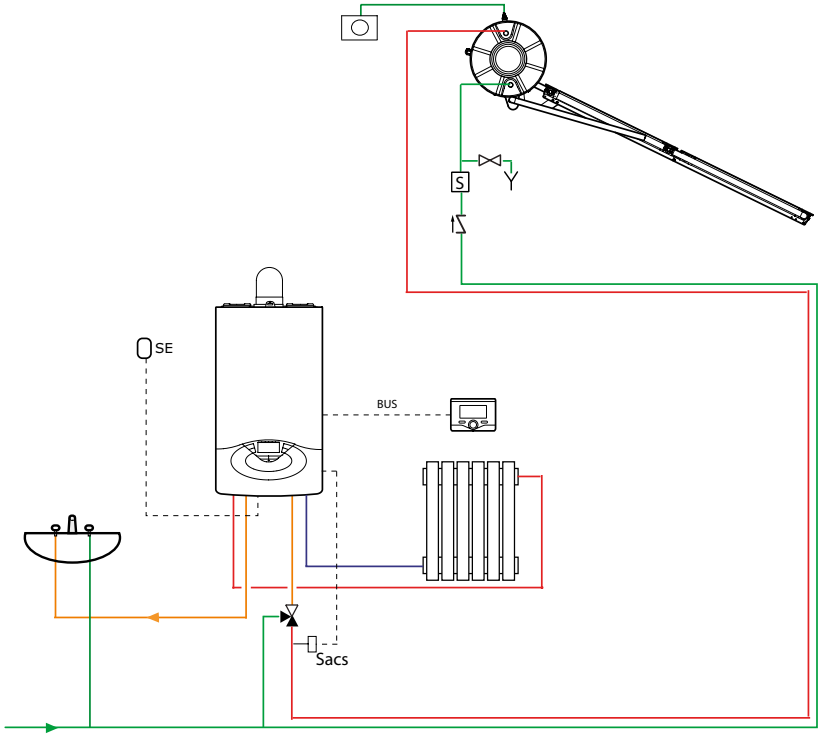
LAYOUT A



LAYOUT B



LAYOUT C



Kairos Thermo DR-2

Direct flat solar water heater

/ Stable water temperature thanks to the stratification process and increased tank insulation to guarantee hot water storage.
/ More hot water thanks to direct solar water heating technology
/ Fast, easy and risk-free installation with 'insert and click' connections

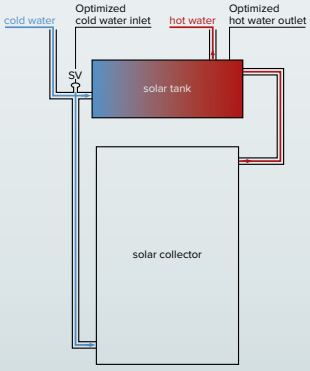
Features
/ Refined design
/ Solar keymark certification on collector
/ Wide range of mounting kits
/ Designed in Italy
/ High quality materials
/ Tailored solar range for sun belt countries

PerformanceTank optimization

Optimized hot water storage and tank insulation:

/ Thanks to optimized water stratification Thermo DR-2 reduces the mixing of hot and cold water in the tank. In addition, this is boosted by the new position of the hot water outlet (on the top of the tank) granting stable water temperature during the withdrawal.

/ Thanks to the increased tank insulation (+20% vs old model) and an optimal polyurethane quality the solar water heater is able to maintain the water hot all night long



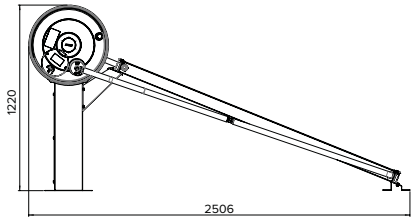
TECHNICAL DATA		KAIROS DR2.0-2 B/N
Weight	kg	30,6
Dimensions	mm	1985x967 x75
Max operating pressure	bar	8
Efficiency	%	49/46
Absorber material		Aliminum
Absorber coating		Selective blue or black
Absorber thickness	mm	0,4
Collector fluid capacity instead of Sensor fluid capacity	l	1,8
Absorption	%	95/90
Emission	%	5/20
Gross area	m^2	1,92
Aperture area	m^2	1,77
Absorber area	m^2	1,73
η0		0,74/0,683
K1	W/(m2K)	4,045/4,248
K2	W/(m2K)	0,014/0,015
Absorber tubing material		Copper
Stagnation temperature	°C	190/180
IAM (50°)		0,89/0,9

TECHNICAL FEATURES		DR 100-1	DR 150-1	DR 200-1	DR 250-2
Installation		Ground or flat / inclined roof		Ground or flat / inclined / IBR roof	
External cover material		Pre-painted steel (standard version) Steel with Zn external coating (electro solar version)			
Inner tank material		Titanium enameled with 3+1 lateral connection			
Diameter of external connections		¾" F			
Nember of collectors		1	1	1	2
Insulation thickness	mm	55	55	48	48
Max working temperature for main tank	°C	105			
Back-up heating element (2 kW)		Optional (standard version) Included (electro solar version)			
Capacity of storage tank for domestic hot water	l	100	150	200	250
Cylinder empty weight	kg	34	44	51	61
Dimensions (LxDxH)	mm	See drawing			
Standard version N (black) absorber	TR (ground)	3022303	3022304	-	3022307
	TT (roof)	3022312	3022313	-	3022315
Standard version B (blue) absorber	TR (ground)	-	-	3022306	-
	TT (roof)	-	-	3022314	-
Electro-solar version (TR)	N (black)	-	3022296	3022297	3022299
	B (blue)	-	-	3022298	-
Optional 2kW heating element (for standard version)		3687025	3687025	3687025	3687025

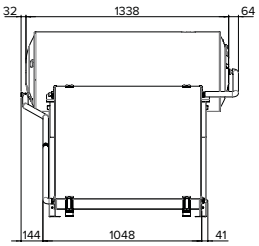
*Absorber certified

ITALIAN DESIGN | SOLAR KEYMARK* | TITAN SHIELD | HAIL PROOF

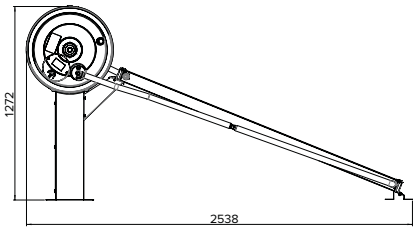
TECHNICAL DRAWING



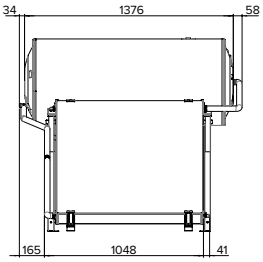
150-1



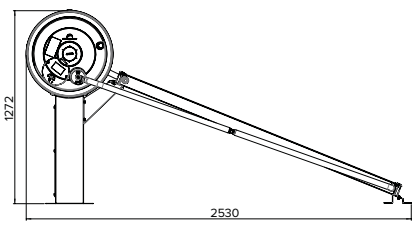
150-1



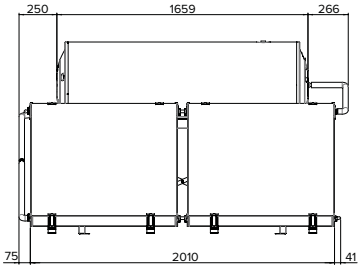
200-1



200-1



250-2



250-2

*Solar keymark on collector

Kairos Fast

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

/ High efficiency thanks to the selective aluminum absorber which reduces reflection
/ The ultrasonic welding technology on the collector ensure maximum reliability

Features
/ Refined design
/ Solar keymark certification
/ Protech anti-corrosion anode
/ Solar key mark certification
/ Sensys System interface included

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
CODE						
ErP	TR	3023637	3023639	3023645	3023641	3023645
	TT	3023638	3023640	3023646	3023642	3023646
Energy class		B	C	C	C	C

ACCESSORIES	CODE
Solar/DHW additional expansion vessel (16l) for Macc	3024183

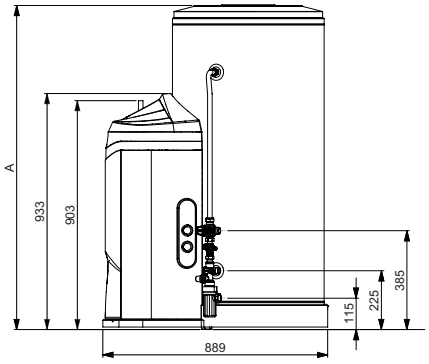
SOLAR KEYMARK | ENERGY EFFICIENT | MADE IN ITALY | SYSTEM MANAGEMENT | ANTI-CORROSION | PERFORMANCE PLUS | EASY INSTALLATION

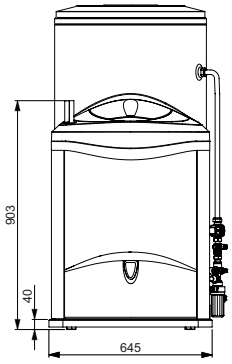
LIST OF COMPONENTS KAIROS FAST Description	KAIROS MACC CD1 150 CYLINDER Cod. 3023271	KAIROS MACC CD1 200 CYLINDER Cod. 3023272	KAIROS MACC CD1 300 CYLINDER Cod. 3023273	KAIROS MACC CD2 200 CYLINDER Cod. 3023274	KAIROS MACC CD2 300 CYLINDER Cod. 3023275	KAIROS CF 2.0-1 Cod. 3020072	HORIZONTAL BAR CF 2.0-1 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

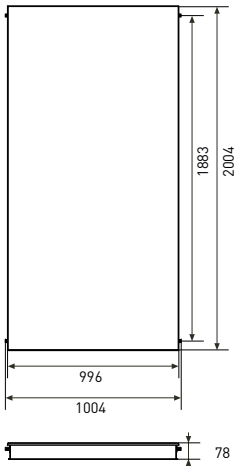
* Documentation Macc (IT-EN) Code 3105018; Documentation Macc (HU-PL-RO-CZ-RU-UA) Code 3105021; Documentation Macc (TK-RU-GR-HR-SRB-UA) Code 3105022

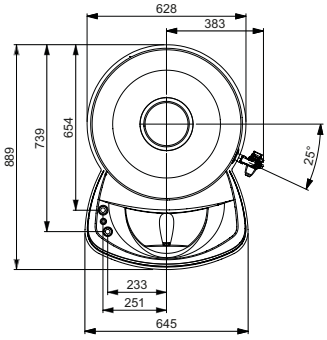
Kairos Fast

CD1



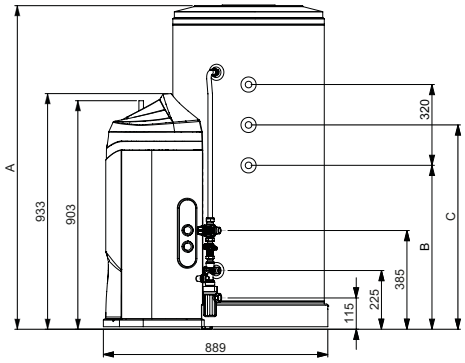


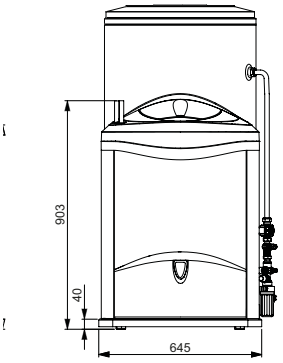


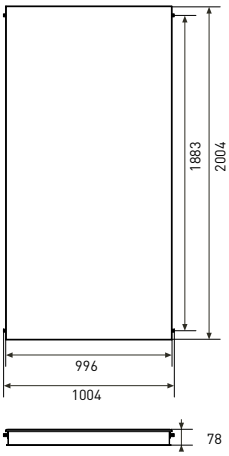


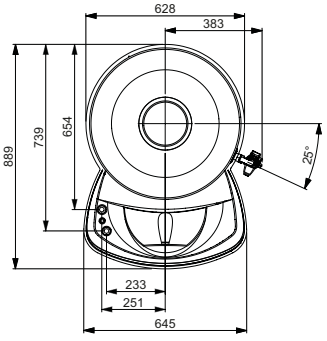
DIMENSIONS		CD1 150-1	CD1 200-2	CD1 300-2
A	mm	965	1260	1782

CD2



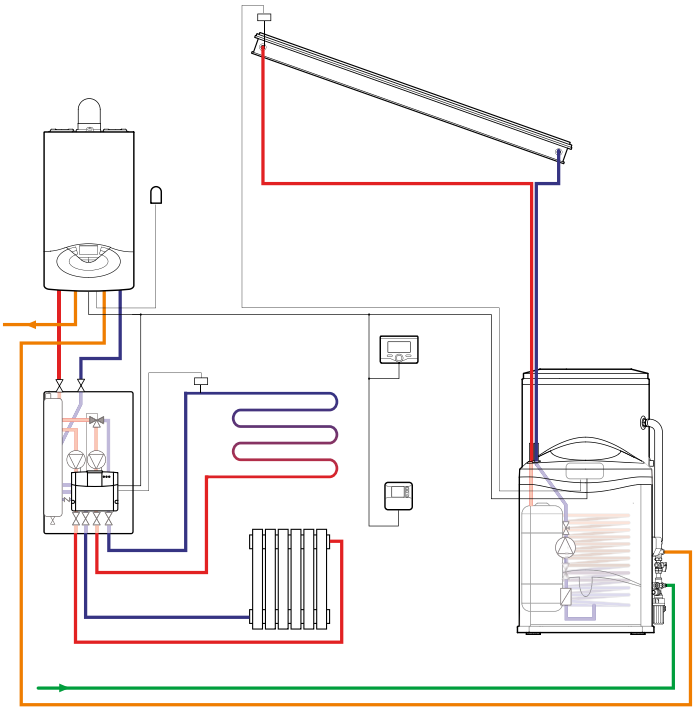


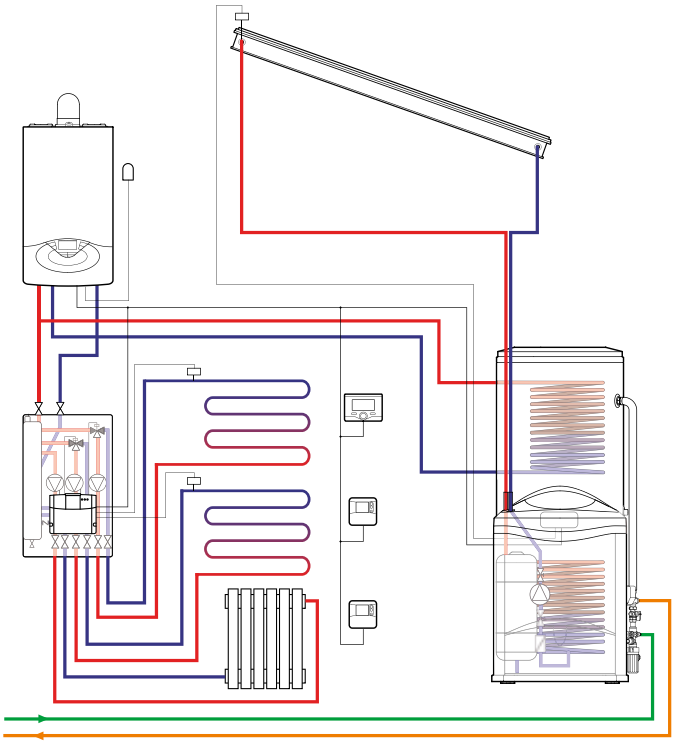


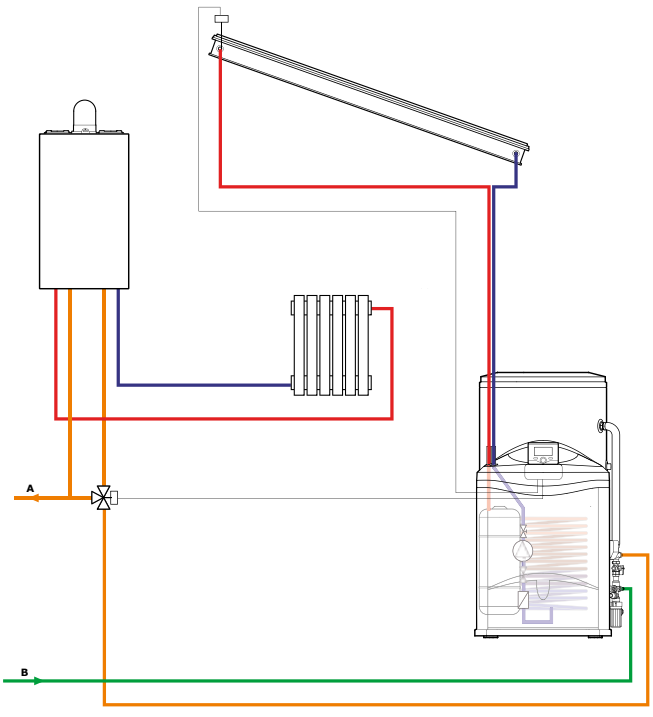


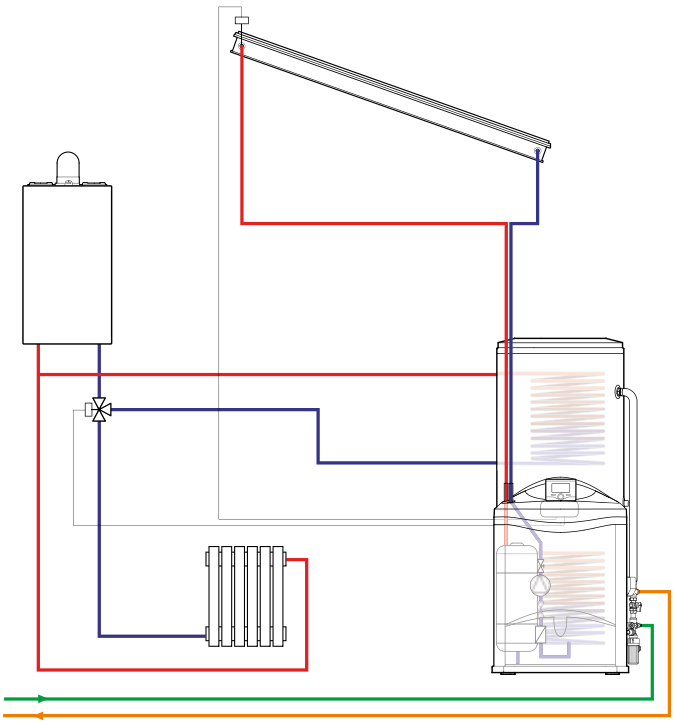
DIMENSIONS		CD2 200-2	CD2 300-2
A	mm	1260	1782
B	mm	649	1170
C	mm	808	1330

MAIN LAYOUTS









Kairos Macc

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

/ Low heat losses thanks to polyurethane insulation free of CFC & HCFC and 1,5 kWh/24h (150lt) dispersion, one of the lowest value of its category.

Features

/ Refined design
/ Additional expansion vessel suitable for big solar systems
/ Motorized mixing valve allowing to set desired temperature
/ Air purge valve
/ Preassembled hydraulic safety group

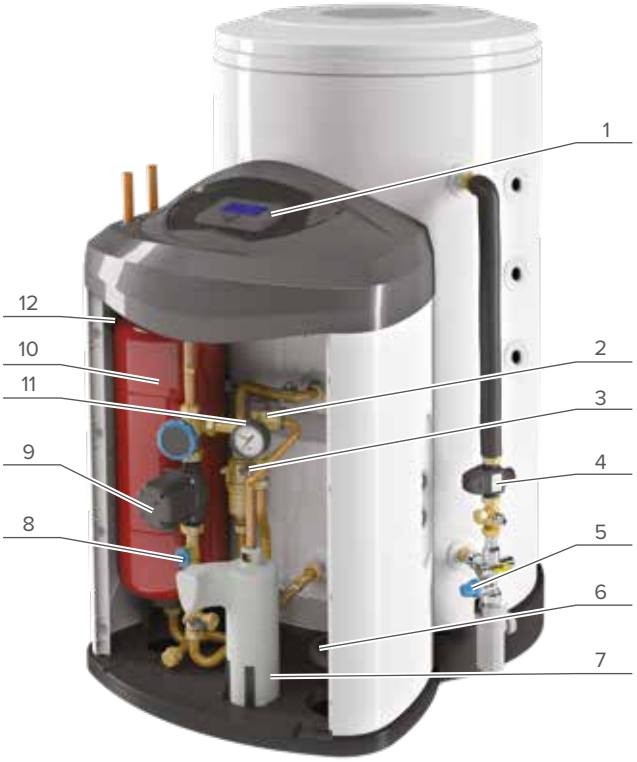
TECHNICAL DATA		CD1 150	CD1 200	CD1 300	CD2 200	CD2 300
Domestic hot water storage tank capacity	l	142	198	298	192	292
DHW circuit max. pressure	bar	7	7	7	7	7
Lower coil surface	m^2	0,85	0,85	0,85	0,85	0,85
Upper coil surface	m^2				0,8	0,8
Max operating temperature	°C	85	85	85	85	85
Max solar pump head	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

CODE

ErP	(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
Energy class		B	C	C	C	C

ACCESSORIES	CODE
Solar/DHW additional expansion vessel (16l) for Macc	3024183

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



KEY

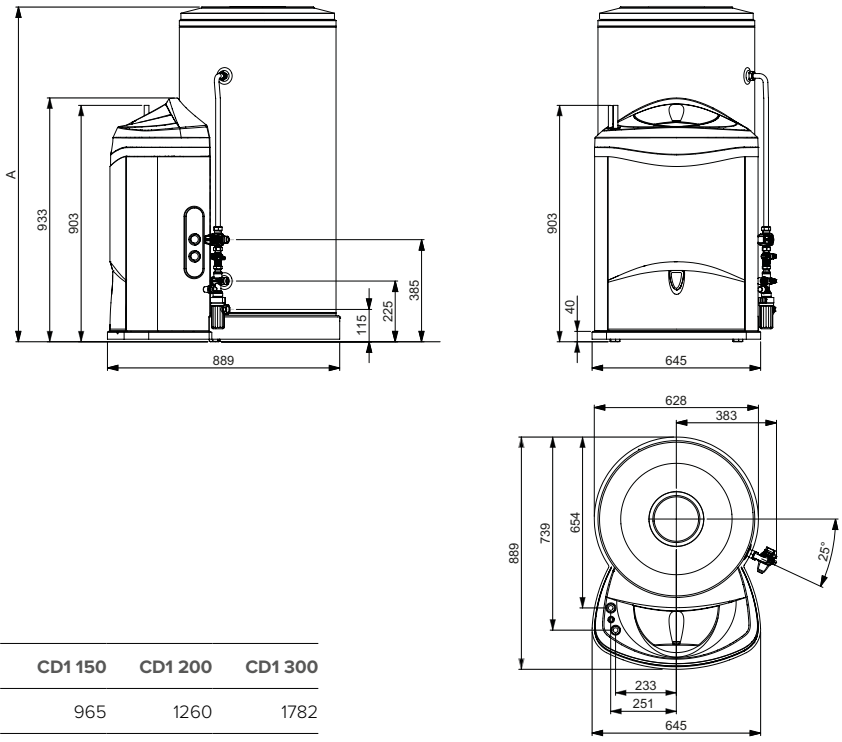
1 \ Sensys user interface
2 \ Solar safety valve
3 \ Pressure sensor
4 \ Motorised thermostat - controlled mixing valve
5 \ Hydraulic safety assembly with siphon
6 \ Connection for additional solar vessel/domestic water expansion vessel
7 \ Solar fluid collection tank with indicator
8 \ Flow meter
9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

LIST OF COMPONENTS KAIROS MACC		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 *
Description	**Code**						
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

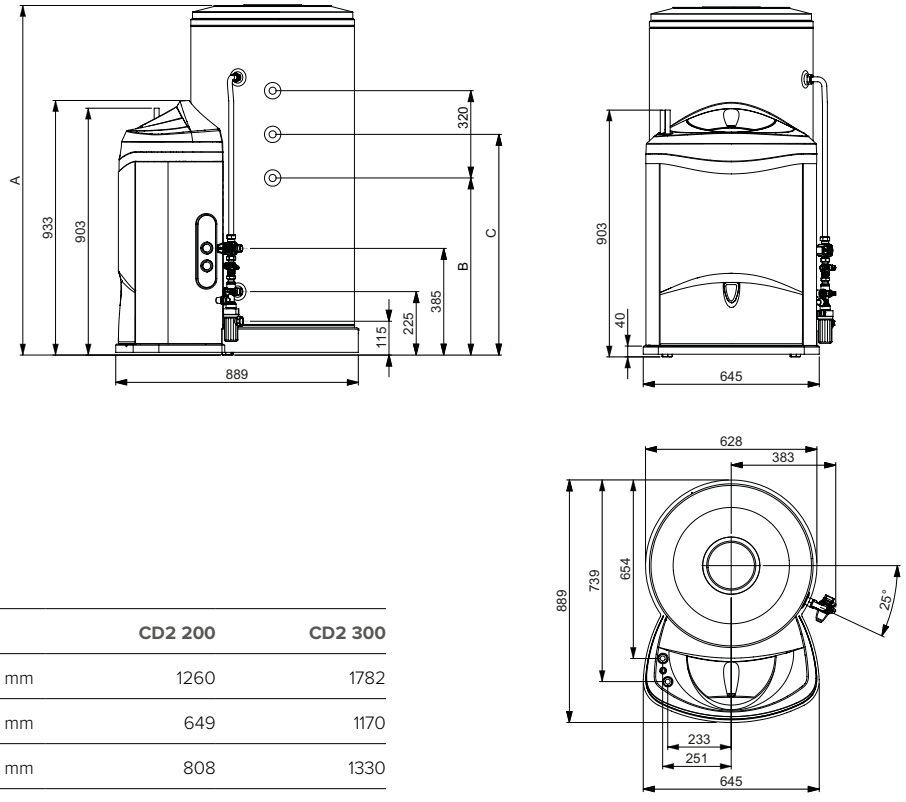
Kairos Macc

CD1



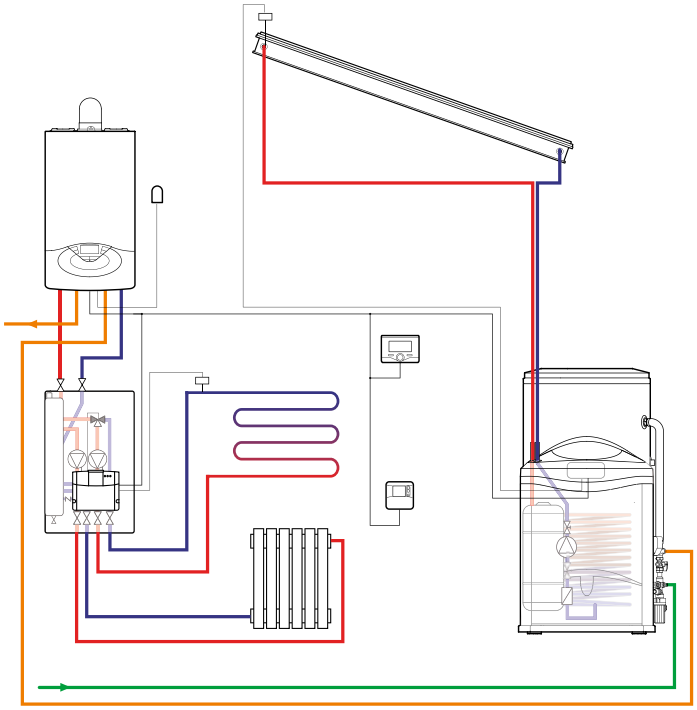
DIMENSIONS		CD1 150	CD1 200	CD1 300
A	mm	965	1260	1782

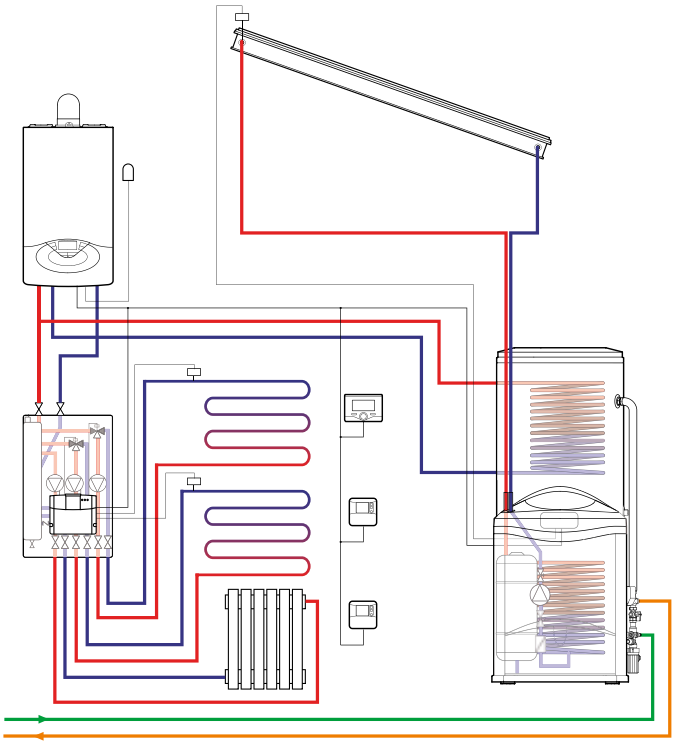
CD2

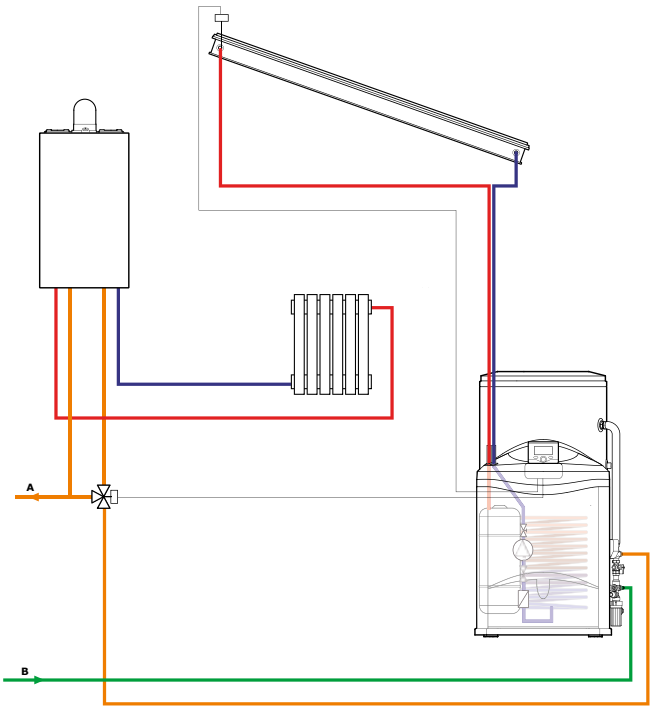


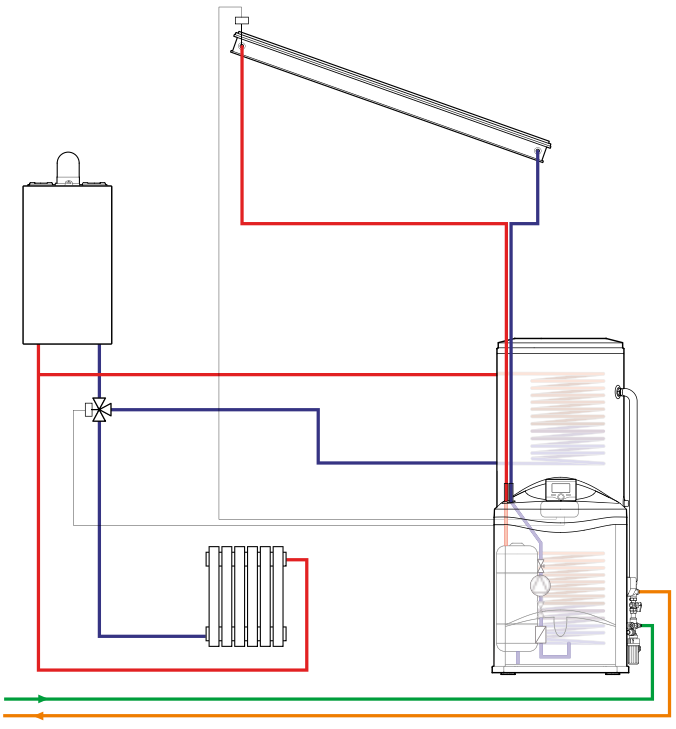
DIMENSIONS		CD2 200	CD2 300
A	mm	1260	1782
B	mm	649	1170
C	mm	808	1330

MAIN LAYOUTS









Kairos Combi

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

/ Low heat losses thanks to soft 100mm insulation

Features

/ High residual head (6,5m) of the pump group suitable for big solar systems
/ All installation accessories included
/ Sensys system interface included
/ Air purge valve
/ Preassembled hydraulic safety group

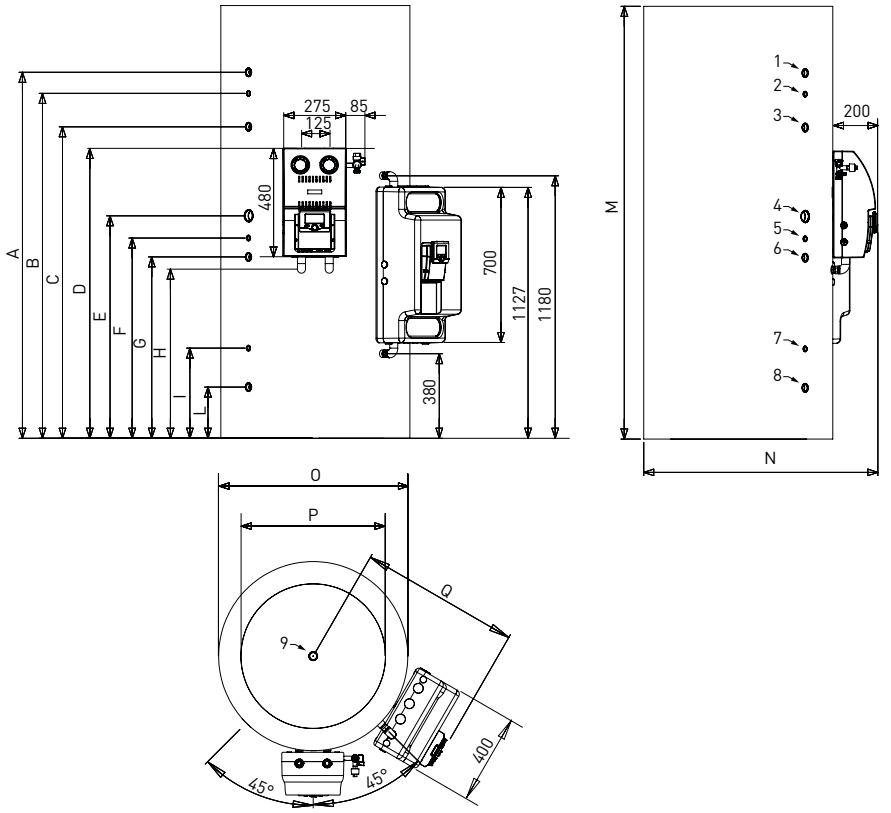
TECHNICAL DATA		CK1 400	CK1 600	CK1 800	CK1 1000
Domestc hot water storage tank capacity	l	400	600	800	1000
Coil surface	m^2	1,5	2,1	2,8	3,4
Solar coil capacity	l	9,3	13	17,5	21
Max operating tank pressure	bar	3	3	3	3
Max operating temperature	°C	95	95	95	95
Empty mass	kg	92	113	155	176
FRESH WATER STATION					**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
CODE					
ErP		3023285	3023286	3023287	3023288
Energy class		B	C	C	C

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

SYSTEM MANAGEMENT

EASY INSTALLATION



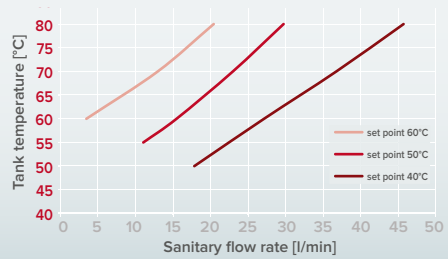
*	400	600	800	1000
A	1240	1645	1495	1730
B	1150	1550	1405	1640
C	1060	1400	1315	1550
D	1164	1294	1309	1434
E	880	1000	1060	1185
F	785	900	950	1075
G	700	815	855	980
H	630	760	775	900
I	415	405	500	500
L	235	230	260	260
M	1630	1945	1805	2055
N	1000	1050	1190	1190
O	800	850	990	990
P	600	650	790	790
Q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

*dimension in mm

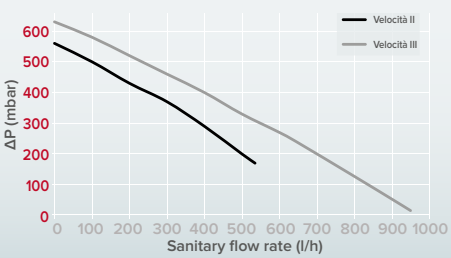
LIST OF COMPONENTS KAIROS COMBI Description	SAFETY GROUP R1/2Z Cod. 12053830	DIGIT SOLAR PUMP GROUP (AR) Cod. 3318905	FRESH WATER STATION Cod. 3024152	HYDRAULIC KIT COMBI Cod. 3024174	HEATING RETURN PROBE -S4 Cod. 3024175	DOCUMENT. COMBI IT-ES-PT-FR-EN Cod. 3024189	MAXIS CK1 400 Cod. 3060460	MAXIS CK1 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

Graph hot water supply (10°C inlet temperature)

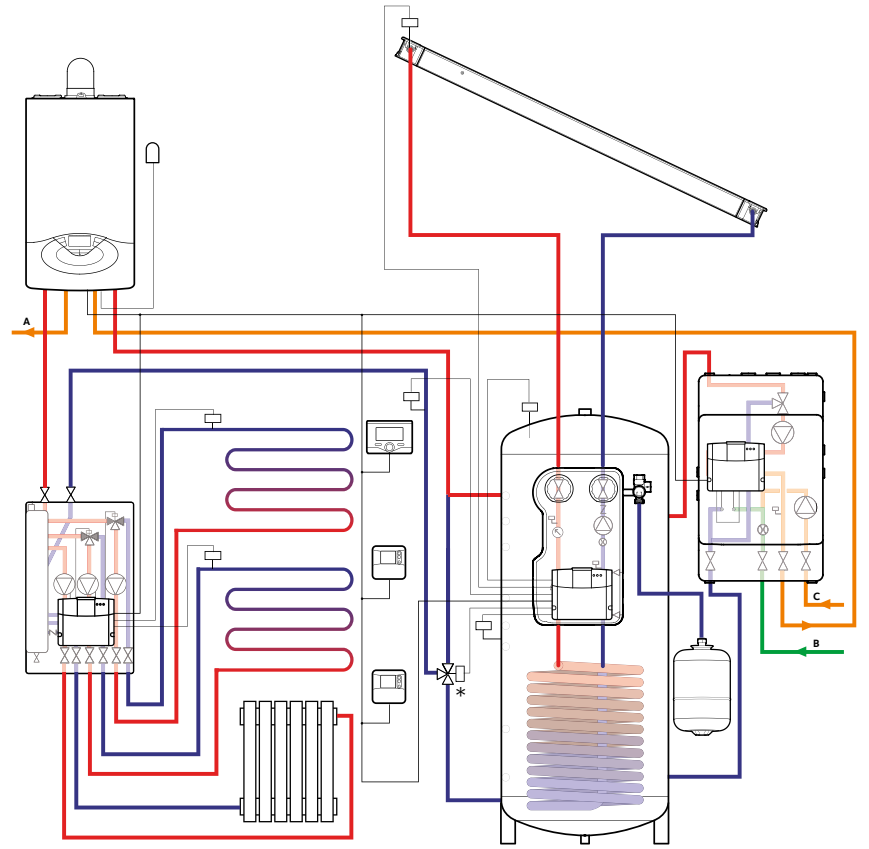


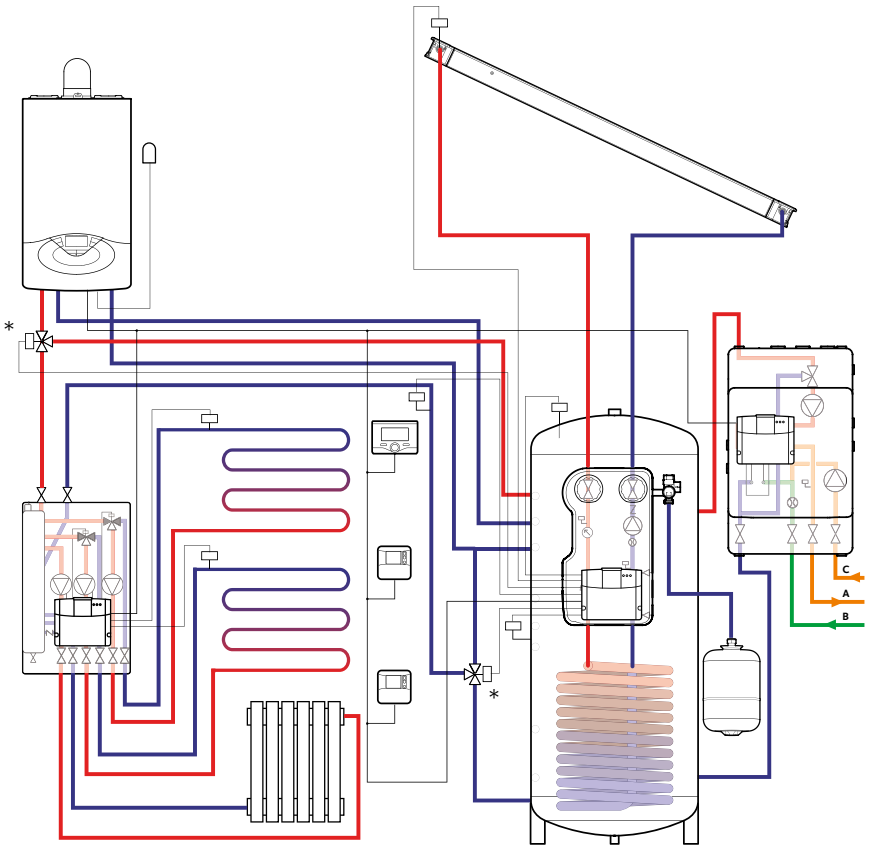
Graph digital pump supply (10°C inlet temperature)



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 CF 2,0-1
	2,53	2,53	2,01
GROSS AREA (m^2)	2,53	2,53	2,01
APERTURE AREA (m^2)	2,26	2,26	1,83
ABSORBER AREA (m^2)	2,24	2,24	1,74
EMPTY WEIGHT (kg)	46	46	30
STAGNATION TEMPERATURE (°C)	198	193	190
HEIGHT (mm)	61	61	78
LENGTH (mm)	2241	1128	2004
WIDTH (mm)	1128	2241	1004
INCLINED ROOF INSTALLATION	yes	yes	yes
GROUND/FLAT ROOF INSTALLATION	yes	yes	yes
BUILT-IN ROOF INSTALLATION	yes	yes	yes
MAX NUMBER OF COLLECTORS	10	10	6
SOLAR KEYMARK	yes	yes	yes
PAGE	202	204	206

Kairos XP 2,5-1V

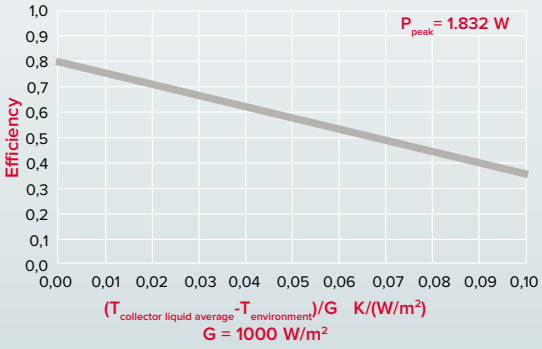
Solar collector for forced circulation

- / Blue selective surface treatment grant 95% absorbtion and only 5% reflection.
- / Fast, easy and risk-free installation with ‘insert and click’ connections
- / Frame angle covers in technopolymer with anti-condensation vent hole

Features

- / Refined design
- / Solar keymark certification
- / Tempered glass with low iron
- / Serpentine absorber suitable for big solar systems
- / Installation inclination angle 30° - 45°

Solar collector efficiency curve



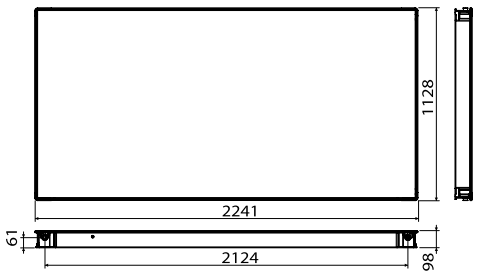
TECHNICAL DATA		KAIROS XP 2,5-1V
Empty mass	Kg	46
Working pressure	bar	6
Collector pipe diameter	mm	18
Gross surface	m^2	2,51
Amount of collector liquid	l	2,1
Absorption	%	95
Emission	%	5
Aperture area	m^2	2,26
Absorber area	m^2	2,24
Specific thermic capacity	kJ/K	15,32
η_0		0,81*
k_1	W/m^2K	3,13*
k_2	W/m^2K^2	0,016*
T stagnation	°C	198

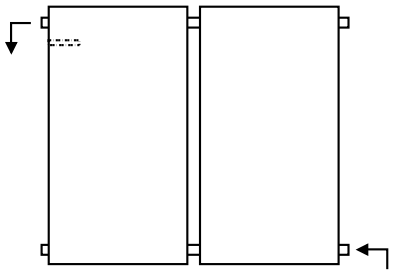
CODE

	3020058

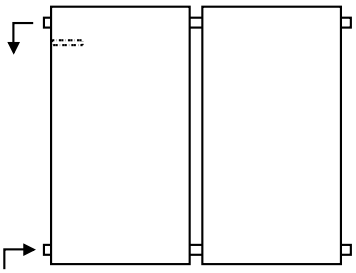
* data refers to the aperture area.

SOLAR KEYMARK | 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			
built-in roof installation kit (1 collector)	3721434			1																																					
built-in roof installation kit (2 collectors)	3721428						1	1			1	1			1	1			1	1			1	1			1	1			1	1			1	1			1	1
built-in roof installation kit (additional collector)	3721429										1	1			2	2			3	3			4	4			5	5			6	6			7	7			8	8
2nd row built-in roof installation kit (2 collectors)	3721430							1				1				1				1				1				1				1				1				1
2nd row built-in roof installation kit (additional collector)	3721431											1				2				3				4				5				6				7				8

SPECIAL FIXING FRAME FOR INCLINED 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	

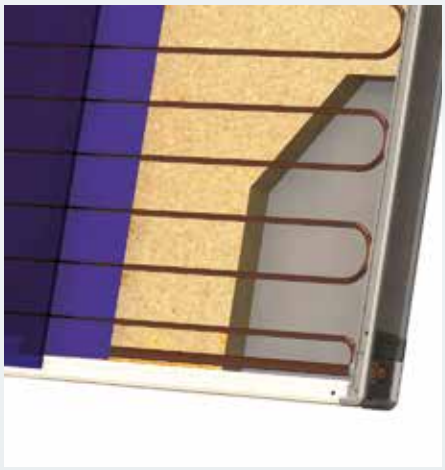
Kairos XP 2,5-1H

Solar collector for forced circulation

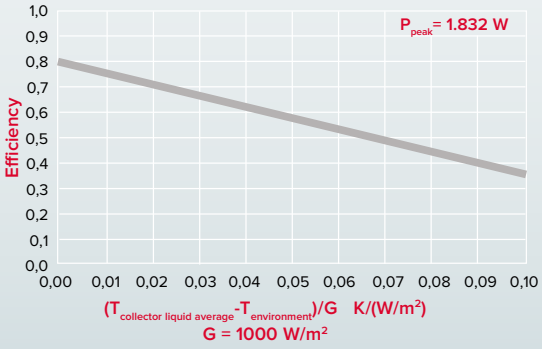
- / Blue selective surface treatment grant 95% absorbtion and only 5% reflection.
- / Fast, easy and risk-free installation with ‘insert and click’ connections
- / Frame angle covers in technopolymer with anti-condensation vent hole

Features

- / Refined design
- / Solar keymark certification
- / Tempered glass with low iron
- / Serpentine absorber suitable for big solar system
- / Installation inclination angle 30° - 45°



Solar collector efficiency curve



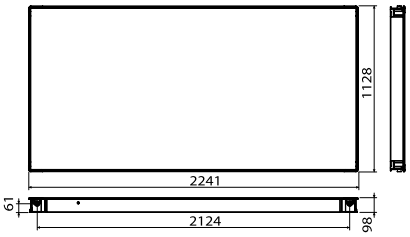
TECHNICAL DATA		KAIROS XP 2,5-1H
Empty mass	Kg	46
Working pressure	bar	6
Collector pipe diameter	mm	18
Gross surface	m^2	2,51
Amount of collector liquid	l	2,5
Absorption	%	95
Emission	%	5
Aperture surface	m^2	2,26
Absorbent surface	m^2	2,23
Specific thermic capacity	kJ/K	17,98
η_0		0,81*
k_1	W/m^2K	3,02*
k_2	W/m^2K^2	0,017*
T stagnation	°C	193

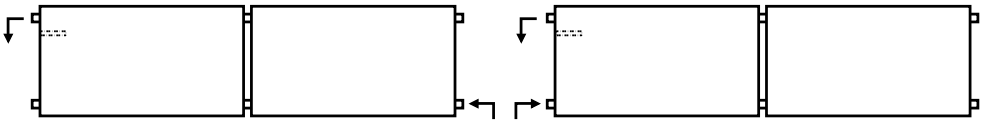
CODE

3020057

* data refers to the aperture area.

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

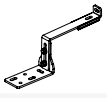




Up to 10 collectors

Up to 5 collectors

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 INCLINED 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	

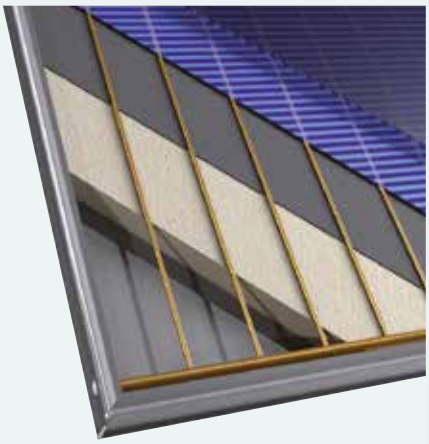
Kairos CF 2,0-1

Solar collector for forced circulation

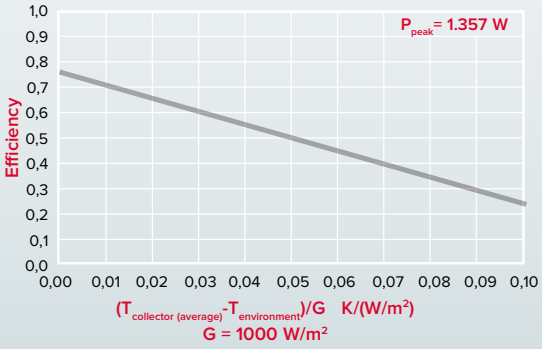
/ Selective surface treatment grant 95% absorbtion and only 5% reflection.
/ Fast, easy and risk-free installation with ‘insert and click’ connections

Features

/ Harp-type absorber with copper pipes
/ Hail-proof anti-reflective glass
/ Instalation inclination between 30° and 60°
/ Solar keymark certification



Solar collector efficiency chart



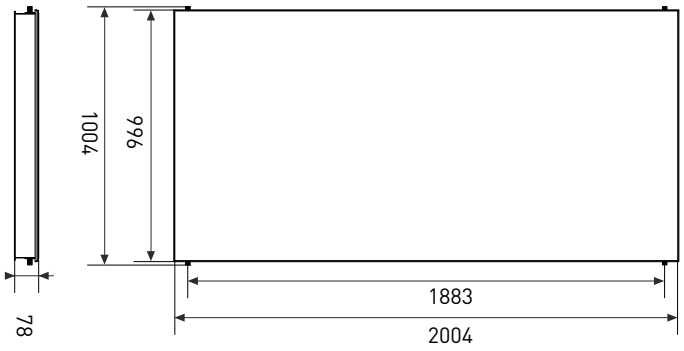
TECHNICAL DATA		KAIROS CF 2,0-1
Empty weight	kg	30
Working pressure	bar	6
Collector pipe diameter	mm	18
Amount of collector liquid	l	1,0
Absorption	%	95
Emission	%	5
Aperture area	m^2	1,83
Absorber area	m^2	1,74
Specific heat capacity	kJ/K	13
η0		0,74*
k1	W/m^2K	3,82*
k2	W/m^2K^2	0,013*
stagnation T	°C	190

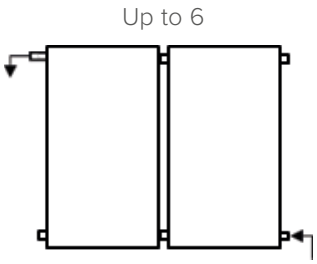
CODE

3020072

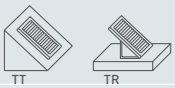
* data refers to the aperture area.

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





FLAT ROOF AND GROUND INSTALLATION



Description	Codice	1		2		3		4		5		6	
		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

BUILT-IN ROOF INSTALLATION

Description	Codice	1			2			3			N		
		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 collection kit 1 forced circ. Coll. CF 2.0-1	3024364	1	1	1	1	1	1	1	1		1	1	
Hydraulic collection kit 1 additional collector CF 2.0-1 IR	3024353				1	1	1	2	2		N-1	N-1	
Built-in roof installation kit slate 1 coll CF 2,0-1	3024344	1											
Built-in roof installation kit slate 2 coll CF 2,0-1	3024345				1			1			1		
Built-in roof installation kit slate 1 additional colector CF 2,0-1	3024346							1			N-2		
Built-in roof installation kit flat tile 1 coll CF 2,0-1	3024347		1										
Built-in roof installation kit flat tile 2 coll CF 2,0-1	3024348					1			1			1	
Built-in roof installation kit flat tile 1 additional collector CF 2,0-1	3024349								1			N-2	
Built-in roof installation kit curved tile 1 coll CF 2,0-1	3024350			1									
Built-in roof installation kit 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**	**Price**	TT	TR	TT	TR	TT	TR	TT	TR	TT	TR	TT	TR
Collector KAIROS CF 2,0-1	3020072	690,00	1	1	2	2	3	3	4	4	5	5	6	6
Hydraulic connection kit 1 forced circ. coll. CF 2,0-1	3024364	70,50	1	1	1	1	1	1	1	1	1	1	1	1
Hydraulic connection kit for additional collector SYS 2,0-1	3024363	23,50			1	1	2	2	3	3	4	4	5	5
Rooftop frame kit - 1 collector CF 2,0-1	3024359	156,00	1				1				1			
Rooftop frame 2 collectors CF 2,0-1	3024360	173,00			1		1		2		2		3	
Rooftop frame 1 extension for CF 2,0-1	3024361	18,00					1		1		2		2	
Horizontal bars CF 2,0/2,0-1	3024249	53,00		1		2		3		4		5		6
Triangle XP 2,5V - CF 2,0/2,0-1	3024103	96,00		2		2		3		4		5		6
Row code			CF1TT	CF1TR	CF2TT	CF2TR	CF3TT	CF3TR	CF4TT	CF4TR	CF5TT	CF5TR	CF6TT	CF6TR
Total price € exclusive of VAT			916,50	1.005,50	1.647,00	1.772,00	2.534,50	2.634,50	3.265,00	3.497,00	4.152,50	4.359,50	4.883,00	5.222,00

TABLE SHOWING COMPOSITION OF ROWS FOR RECESSED INSTALLATION (BUILT-IN ROOF)														
			1			2			3			N		
Description	**Code**	**Price**	A	T	C	A	T	C	A	T	C	A	T	C
Collector KAIROS CF 2,0-1	3020072	690,00	1	1	1	2	2	2	3	3		N	N	
Hydraulic connection kit 1 forced circ. coll. CF 2,0-1	3024364	70,50	1	1	1	1	1	1	1	1		1	1	
Hydraulic connection kit 1 additional collector CF 2,0-1 IR	3024353	40,50				1	1	1	2	2		N-1	N-1	
Slate built-in roof installation kit 1 collector CF 2,0-1	3024344	700,00	1											
Slate built-in roof installation kit 2 collectors CF 2,0-1	3024345	980,00				1			1			1		
Slate built-in roof installation kit 1 additional collector CF 2,0-1	3024346	315,00							1			N-2		
Marseilles tile built-in roof installation kit 1 collector CF 2,0-1	3024347	525,00		1										
Marseilles tile built-in roof installation kit 2 collectors CF 2,0-1	3024348	826,00					1			1			1	
Marseilles tile built-in roof installation kit 1 additional collector CF 2,0-1	3024349	350,00								1			N-2	
Curved tile built-in roof installation kit 1 collector CF 2,0-1	3024350	525,00			1									
Curved tile built-in roof installation kit 2 collectors CF 2,0-1	3024351	805,00						1						
Row code			CF1AIR	CF1TIR	CF1CIR	CF2AIR	CF2TIR	CF2CIR	CF3AIR	CF3TIR	-	-	-	-
Total price € exclusive of VAT			1.460,50	1.285,50	1.285,50	2.471,00	2.317,00	2.296,00	3.516,50	3.397,50	-	-	-	-

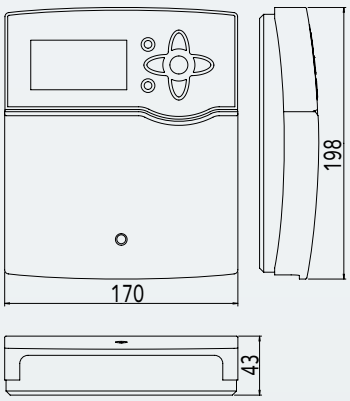
MINIMUM EXTERNAL TEMPERATURE / PERCENTAGE

		-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

Features

- / 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

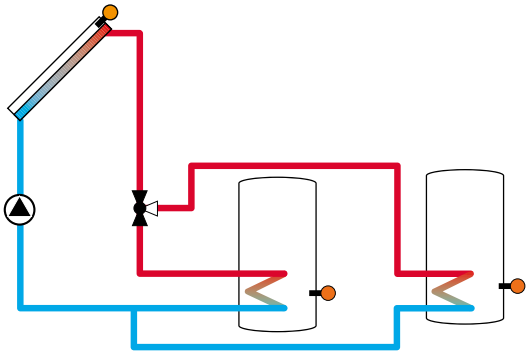


TECHNICAL DATA	SOLAR MANAGER PRO
Inputs	8
Outputs	4 semiconductor relays, 1 potential-free relay, 2 PWM outputs
Power supply	230
Protection type	20
Ambient temperature	0 ÷ 40
Dimensions	198 x 170 x 43

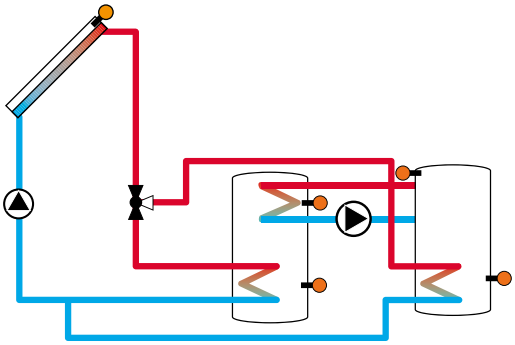
CODE

3024252

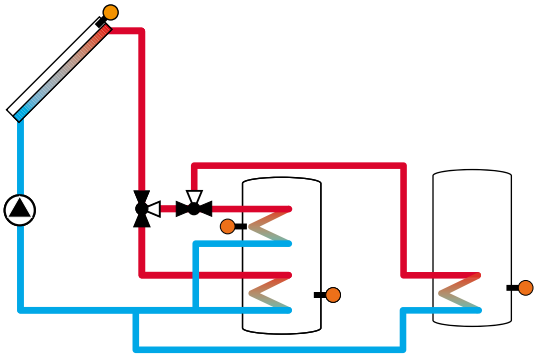
General system diagrams



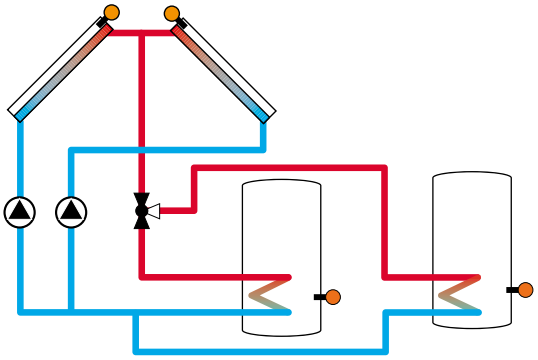
Solar system with 2 tanks,
probes and a 1 three way valve



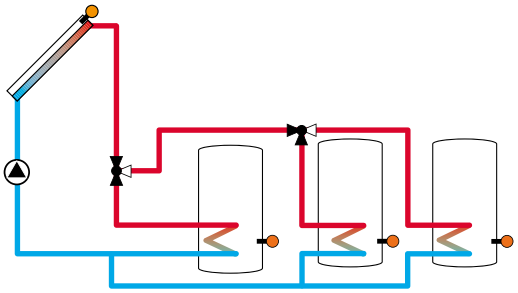
Solar system with 2 tanks,
valve control and heat exchange



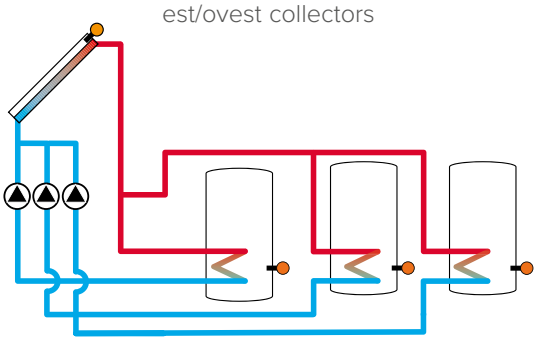
Solar system with 2 tanks,
of which one is stratified



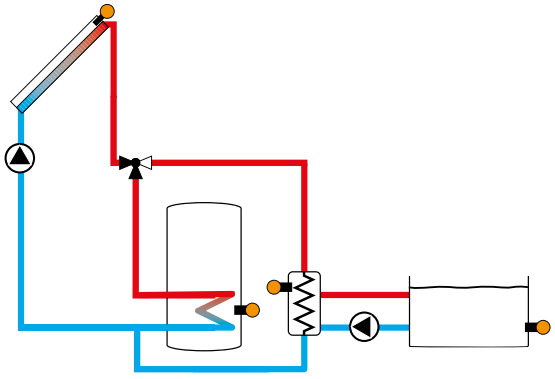
Solar system with 2 tanks and
est/ovest collectors



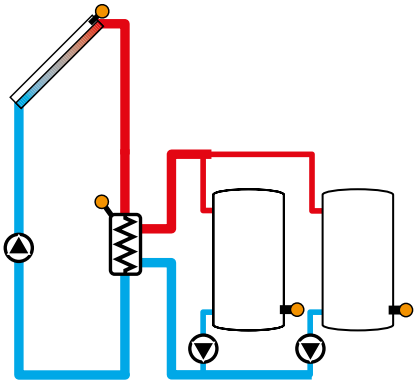
Solar system with 3 tanks,
valve control and priority logic



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 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 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 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 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 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 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 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 big has an operative flow range 2-40l/ 25-80°C MaxT 100°C (120°C short).	3024281
SOLAR MANAGER PROBE - COLLECTOR Probe for collectors, related to PRO electronics	3024273
SOLAR MANAGER PROBE - CYLINDERS Probe for cylinders, related to PRO electronics	3024274
SOLAR MANAGER PROBE - CUFF TUBE Probe for PRO electronics, to be applied on the pipes	3024275
OVERVOLTAGE PROTECTION 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 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 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







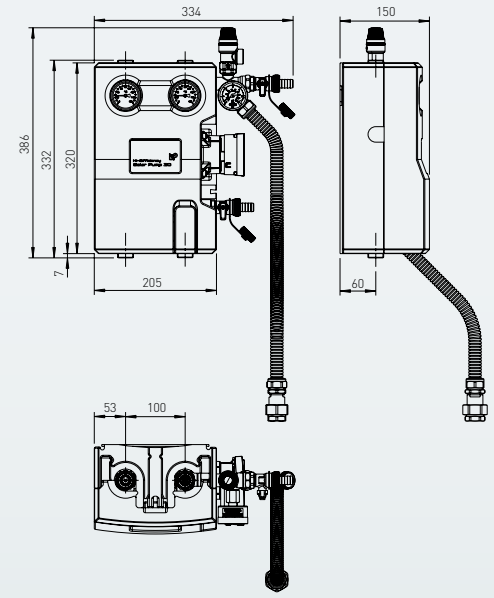


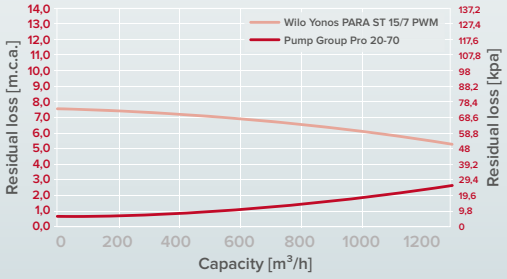




Pump Group PRO 20-70

Features
/ 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)

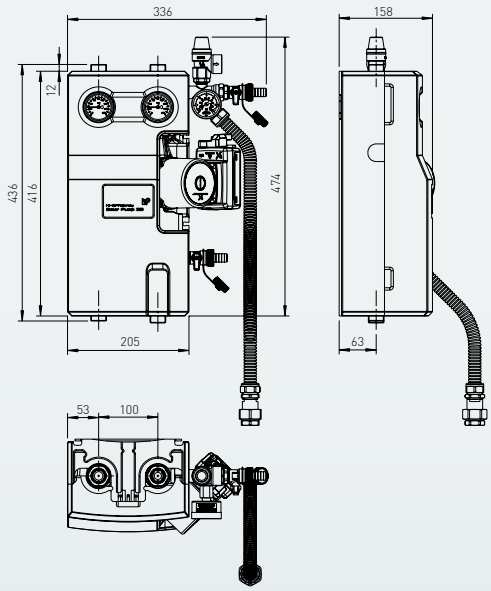
CODE

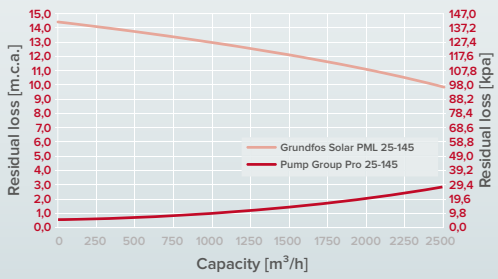
3024256

For the whole accessory list see page 218

Pump Group PRO 25-145

Features
/ 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)

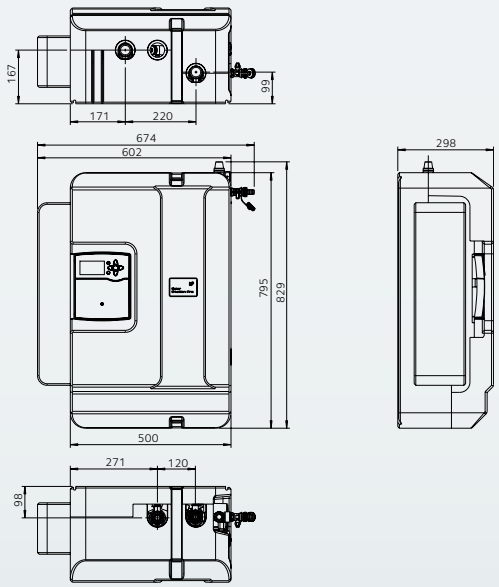
CODE

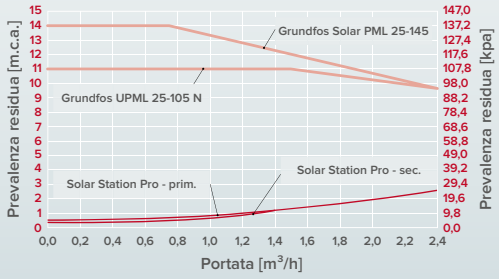
3024258

For the whole accessory list see page 218

Solar Station PRO

Features
- / 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

CODE

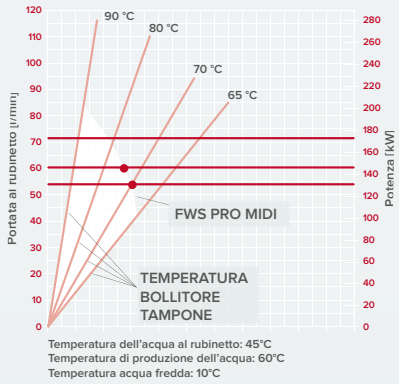
3024261

For the whole accessory list see page 218

FWS PRO MIDI

Features

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

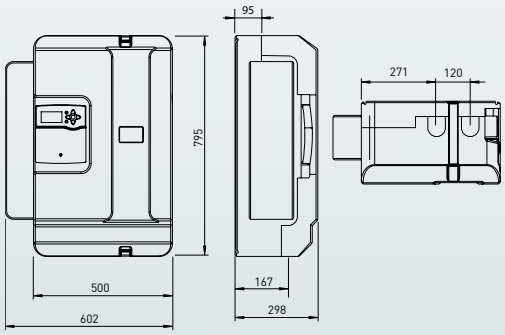


TECHNICAL DATA		FWS PRO MIDI
Maximum pressure primary side	bar	6
Maximum pressure secondary side	bar	10
Maximum temperature	°C	95
Number of plates exchanger		40

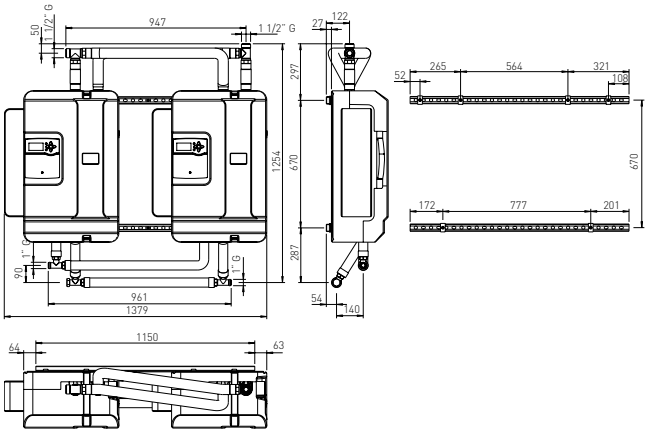
CODE

	3024263

SINGLE INSTALLATION SCHEME



CASCADE INSTALLATION SCHEME

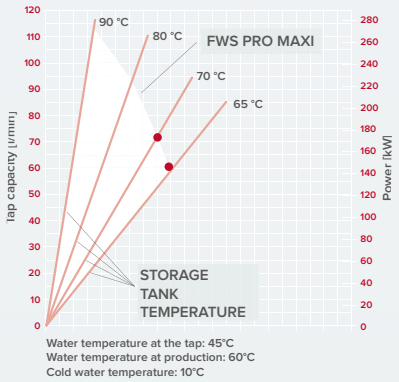


For the whole accessory list see page 218

FWS PRO MAXI

Features

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

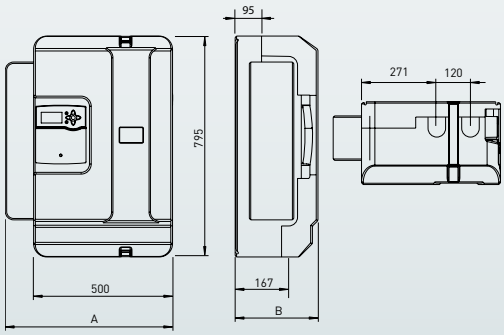


TECHNICAL DATA		FWS PRO MAXI
Maximum pressure primary side	bar	6
Maximum pressure secondary side	bar	10
Maximum temperature	°C	95
Number of plates exchanger		60

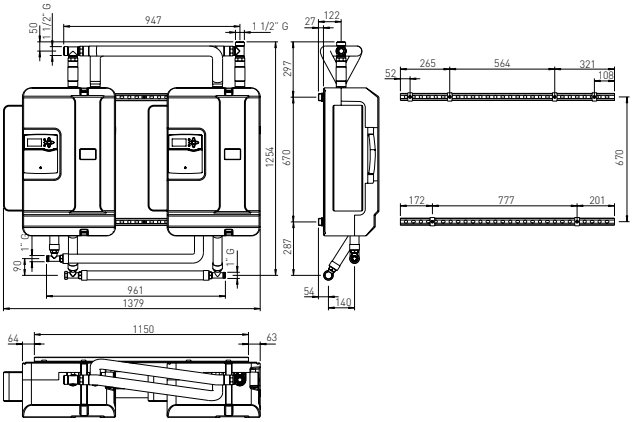
CODE

	3024264

SINGLE INSTALLATION SCHEME



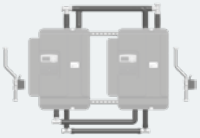
CASCADE INSTALLATION SCHEME

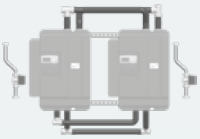


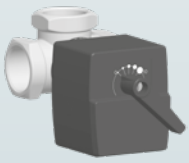
For the whole accessory list see page 218

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 Destratification valve to install SOLAR STATION PRO	3024262
3-WAY VALVE PRO - DN 25 Destratification valve to install single FWS PRO MIDI	3024266
3-WAY VALVE PRO - DN 32 Destratification valve to install single FWS PRO MAXI	3024267
3-WAY VALVE PRO - DN 40 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) - Remote control of all boiler functions through the BUS Bridgenet protocol - User-Friendly Setting/Configuration of system parameters - thermoregulation - Display of solar system working (if connected) - Display of energy reports (kWh), solar energy production, CO2 savings, storaged DHW - Modulating sensor for detecting of the room temperature - User-friendly daily and weekly scheduling of central heating - User-friendly daily and weekly scheduling of domestic hot water (only in case of only-heating boiler coupled to a tank)	3318585 IT-EN-FR-ES-PT
	3318613 TK-RUS-GR-HR-SRB
	3318615 PL-CZ-HU-RO
SOLAR MANAGER IZY Unit equipped with liquid crystal display that can display and manage up to 10 types of solar plant. Four sensor inputs Pt1000, three relay outputs and two PWM outputs to control variable speed circulators. Supplied three probes, two for cylinder and one for the collector. The controller has display the temperatures measured by the probes, diagnostic on-screen function test system, and anti-freeze function. Free Vbus and BACnet compatibility. Compatible with PRO datalogger DL2, DL3 DATALOGGER PRO INTERFACE LAN-SOLAR MANAGER PRO, and PRO MODULE ALARM PROTECTION THE SURGE. Dimensions: 110 x 166 x 47 mm.	3024340
ADDITIONAL DHW SOLAR PROBE 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 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 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. Supplied cylindrical probe with diameter of 6 mm Ptc1000 with 1.5 metres of cable. Dimensions: 79 x 115 x 42 mm.	800232
ELECTRICAL RESISTANCE 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
ENAMELLED ELECTRICAL RESISTANCE Flanged resistance kit for 2 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).	3024272
SAFETY GROUP 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

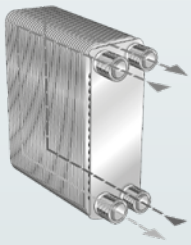
Hydraulic devices and accessories	Code
DIGITAL SOLAR PUMP GROUP Pumping station for forced circulation plants, equipped with a safety, regulation and rinse unit, digital pressure and temperature sensors,electronic control board provided with a collector probe and two tank probes. Hydraulic connections 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 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. Equipped with scald-proof mechanism, protection against calcification and corrosion. Dimensions: 115 x 74 mm.	3024085
GAL EVO MOTORIZED MIXING VALVE (PLUS WIRES)	3024176
MOTORIZED DIVERTER VALVE Diverter valve for DHW integration management. 230 V power supply. Temperature of the fluid +1°C/+95°C, maximum functioning differential pressure 4 bar. 3/4" male threaded connections. Dimensions: 94 x 130 x 68 mm.	3087085
MOTORIZED THREE-WAY VALVE diverter motorized valve to use exclusively with Macc tank. Suitable with heating and domestic hot water. Includes wires.	3024076
GAL EVO MOTORIZED DIVERTER VALVE	3024177
FRESH WATER STATION DHW production module. Minimum flow rate 2,5 l/min. Maximum DHW flow rate 32 l/min. Adjustable temperature from 36 to 65 °C. Dimensions 700x400x295 mm	3024152
FORCED CIRCULATION SENSOR KIT Compatible with digital solar pump assembly and Sensys. Contains: - solar indirect cylinder sensor - collector sensor	3318485
COLLECTOR SUN SENSOR Compatible with digital solar pump assembly and Sensys. Contains: - collector sensor	3318564

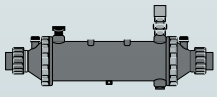






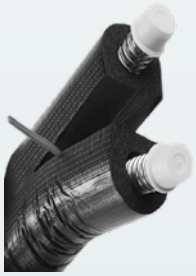

Hydraulic devices and accessories	Code
RECIRCULATION KIT FWS	3024161
HYDRAULIC KIT COMBI	3024174
HEATING RETURN SENSOR S4	3024175
EXPANSION TANKS SOLAR Expansion sola vesselr / healthcare 16 lt for Macc Solar expansion vessel 18 lt Solar expansion vessel 25 lt Solar expansion vessel 35 lt Solar expansion vessel 50 lt Solar expansion vessel 80 lt Solar expansion vessel 150 lt Solar expansion vessel 200 lt	3024183 3024318 3024319 3024320 3024321 3024322 3024323 3024324
GENERIC SOLAR PLATE HEAT EXCHANGER 16KW **GENERIC SOLAR PLATE HEAT EXCHANGER 32KW** **GENERIC SOLAR PLATE HEAT EXCHANGER 48KW** Heat exchanger steel plate brazed, suitable for use with hot water and heating. 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 3024037 3024038
SOLAR HEAT EXCHANGER FOR SWIMMING POOLS 20KW **SOLAR HEAT EXCHANGER FOR SWIMMING POOLS 40KW** **SOLAR HEAT EXCHANGER FOR SWIMMING POOLS 70KW** * Shell and tube heat exchanger in titanium, suitable for heating swimming pool water. Operating pressure 2 bar. operating ranges (m3) primary / secondary respectively of 0,9 / 10; 1,7 / 15; 3/20.	3024039 3024040 3024041





Solar Accessories

Hydraulics devices and accessories	Code
ADAPTATION KIT HYDRAULIC MANIFOLD SIDE 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 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 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 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) 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 Piston pumps brass for connection to the solar plant during the phase filling and pressurizing.	800235
GROUP OF FILLING THE SOLAR POWERED 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
MOUNTING TEMPLATE THERMO HF 300-2 GROUND	3024195
CARRYING HANDLES KETTLES THERMO HF	3024198
SOLAR CASE Case containing all the tools specific to the pre-installation inspection, the first startup of the solar system and its maintenance ordinary and extraordinary. The case is composed of: • A digital pH meter complete with screwdriver and solution (pH 7 @ 25 °C) for calibration • A refractometer full manual screwdriver, plastic dropper and cloth for cleaning of the prism • A digital thermometer with 2 probe Tc-K • Two temperature probes Tc-K Clamp • A pressure gauge 0 .. 4,5 bar • A clinobussola • A pack of maps for the measurement of pH	3024090

Cylinders

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

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

Cylinders

	BCH EE				BCH EU			
	80	120	160	200	80	120	160	200
ENELGY CLASS	C	C	B	B	C	C	B	B
INSTALLATION	WALL				WALL			
BOILER COMPATIBLE	yes				yes			
SOLAR COMPATIBLE	yes				yes			
1st COIL SURFACE (m2)	0,5	0,96	0,7	1	0,5	0,96	0,7	1
2nd COIL SURFACE (m2)	-				-			
TITANIUM ENAMELLED	yes				yes			
ANTI-CORROSION PROTECTION	yes				yes			
STANDARD ELECTRIC RESISTANCE	-				-			
OPTIONAL ELECTRIC RESISTANCE	yes				yes			
RECIRCULATION	yes				yes			
PAGE	230				231			

BC1S 7B			BC2S 7B			MAXIS CDZ		
200	300	450	200	300	450	800	1000	1500
B	B	B	B	B	B	C	C	C
FLOOR			FLOOR			FLOOR		
yes			yes			yes		
yes			yes			yes		
0,8	1,3	2	0,8	1,3	2	-		
-			0,5	0,8	1	-		
yes			yes			yes		
yes			yes			no		
-			-			-		
yes			yes			yes		
yes			yes			yes		
232			233			234		

Cylinders

	MAXIS CD1		MAXIS CD1 F		MAXIS CD2 F				
	1500	2000	800F	1000F	800F	1000F	1500F	2000F	2500F
ENELGY CLASS	C	C	B	C	B	C	C	C	-
INSTALLATION	FLOOR		FLOOR		FLOOR				
BOILER COMPATIBLE	yes		yes		yes				
SOLAR COMPATIBLE	yes		yes		yes				
1st COIL SURFACE (m2)	-		2,5	3	2,4	2,5	4,2	4,5	6
2nd COIL SURFACE (m2)	-				2,4	2,5	2,5	3	3,5
TITANIUM ENAMELLED	yes		yes		yes				
ANTI-CORROSION PROTECTION	no		no		no				
STANDARD ELECTRIC RESISTANCE	-		-		-				
OPTIONAL ELECTRIC RESISTANCE	yes		yes		yes				
RECIRCULATION	yes		yes		yes				
PAGE	235		236		237				

MAXIS CK1				MAXIS CKZ			
400	600	800	1000	1500	2000	2500	3000
B	C	C	C	C	C	-	-
FLOOR				FLOOR			
yes				yes			
yes				-			
1,5	2,1	2,8	3,4	-			
-				-			
yes				-			
no				no			
-				-			
no				yes			
yes				-			
238				239			

BCH EE

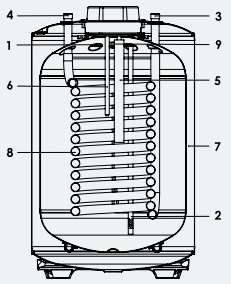
MADE IN EUROPE

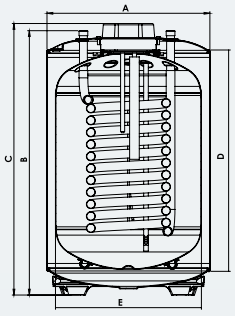
SOLAR INTEGRATION

Single coil multiposition vertical cylinder

Features

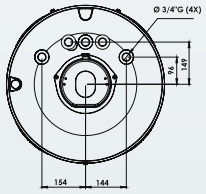
/ Titanium enamelled steel boiler
/ Magnesium Anode
/ Recirculation
/ Floor standing installation kit included
/ Integrated sensor slot sheath
/ Can be integrated with the forced circulation solar heating system or gas boiler





KEY

1 \ Hot water usage point
2 \ Cold water inlet
3 \ Primary outlet
4 \ Primary inlet
5 \ Magnesium Anode
6 \ Temperature sensor
7 \ Polyurethane insulation
8 \ Coil Exchanger
9 \ Recirculation



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	1,72	1,34	1,84
Maximum operating pressure	bar	7	7	7	7
Coil surface	m^2	0,5	0,96	0,7	1
Exchanger ouput	kW	10,3	16,1	14,7	17,2
Pressure loss through coil	mbar	16	38	33	41
Net Weight	kg	30	42	56	65
DIMENSIONS					
A	mm	560	560	560	560
B	mm	690	900	1320	1570
C	mm	720	930	1340	1590
D	mm	535	745	1183	1428
E	mm	500	500	450	450
CODE					
		3060752	3060753	3060754	3060755
Energy class		C	C	B	B

For the whole accessory list see page 240

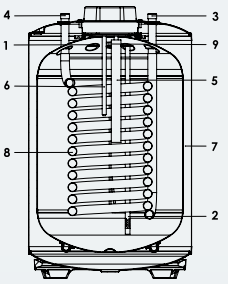
BCH EU

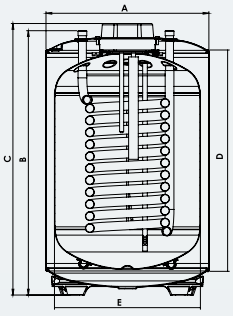
MADE IN EUROPE | ANTI-CORROSION | SOLAR INTEGRATION

Single coil multiposition vertical cylinder

Features

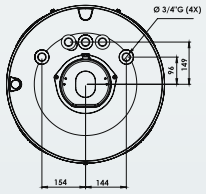
/ Titanium enamelled steel boiler
/ Protech Anode
/ Recirculation
/ Floor standing installation kit included
/ Integrated sensor slot sheath
/ Can be integrated with the forced circulation solar heating system or gas boiler





KEY

1 \ Hot water usage point
2 \ Cold water inlet
3 \ Primary outlet
4 \ Primary inlet
5 \ Magnesium Anode
6 \ Temperature sensor
7 \ Polyurethane insulation
8 \ Coil Exchanger
9 \ Recirculation



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	1,72	1,34	1,84
Maximum operating pressure	bar	7	7	7	7
Coil surface	m^2	0,5	0,96	0,7	1
Exchanger ouput	kW	10,3	16,1	14,7	17,2
Pressure loss through coil	mbar	16	38	33	41
Net Weight	kg	30	42	56	65
DIMENSIONS					
A	mm	560	560	560	560
B	mm	690	900	1320	1570
C	mm	720	930	1340	1590
D	mm	535	745	1183	1428
E	mm	500	500	450	450
CODE					
		3060752	3060753	3060754	3060755
Energy class		C	C	B	B

For the whole accessory list see page 240

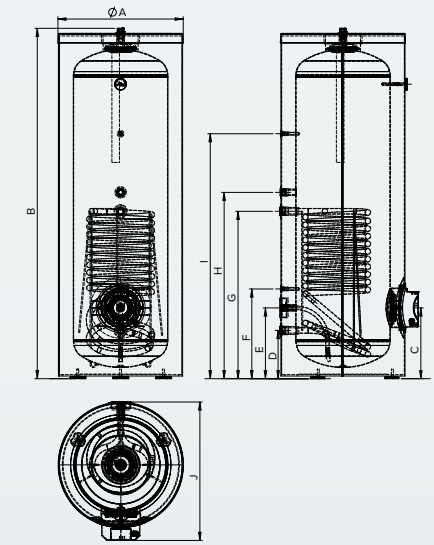
BC1S 7B

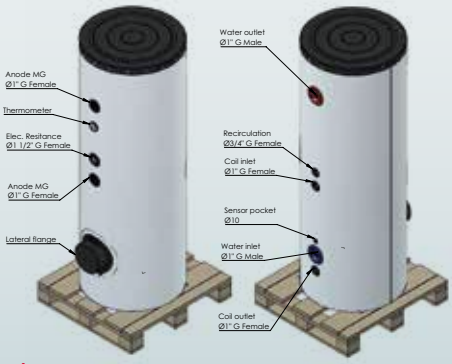
MADE IN EUROPE | SOLAR INTEGRATION | EASY INSPECTION

Floor-standing indirect cylinder with coil

Features

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





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

CODE

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

For the whole accessory list see page 240

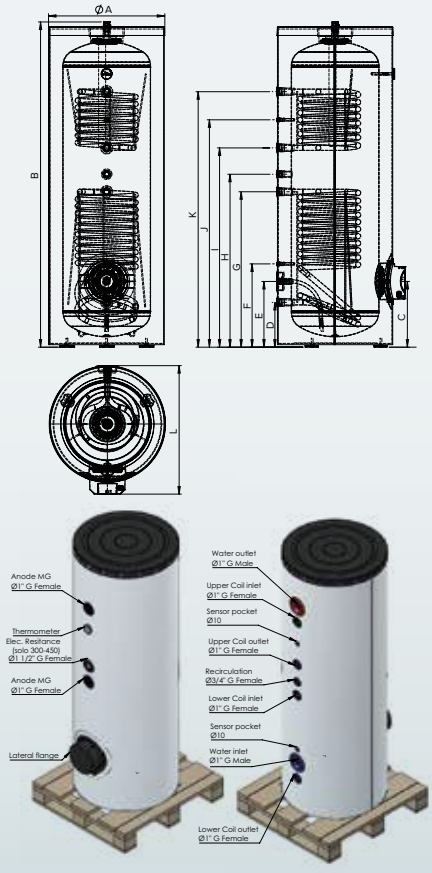
BC2S 7B

MADE IN EUROPE | SOLAR INTEGRATION | EASY INSPECTION

Floor-standing indirect cylinder with double coil

Features

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



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

For the whole accessory list see page 240

Maxis CDZ

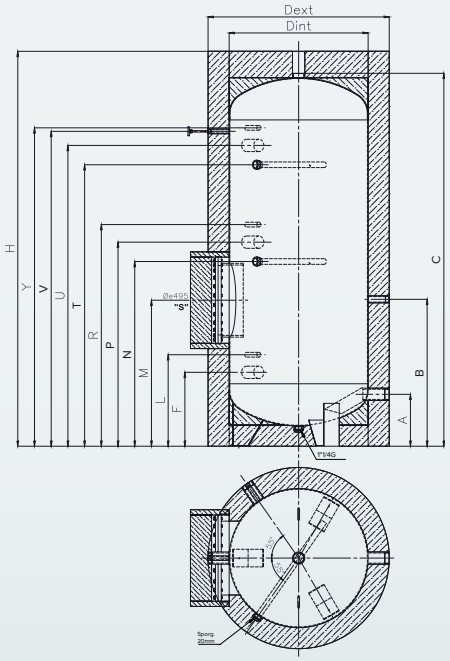
MADE IN ITALY

EASY INSPECTION

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

Features

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



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

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

CODE

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

For the whole accessory list see page 240

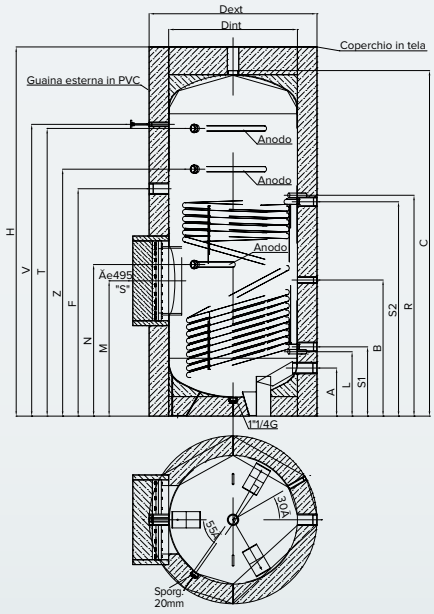
Maxis CD1

MADE IN ITALY | SOLAR INTEGRATION | EASY INSPECTION

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

Features

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



KEY

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

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

For the whole accessory list see page 240

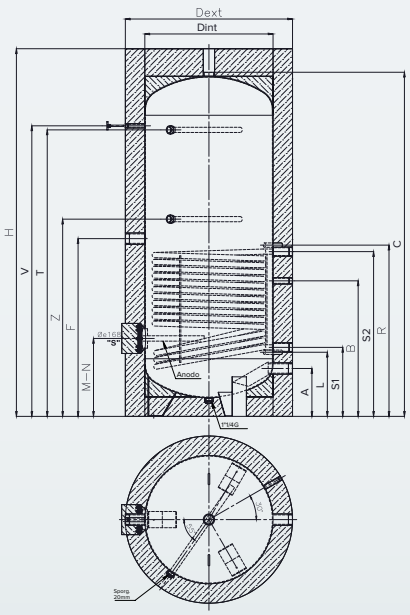
Maxis CD1 F

MADE IN ITALY | SOLAR INTEGRATION | EASY INSPECTION

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

Features

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



KEY

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

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

For the whole accessory list see page 240

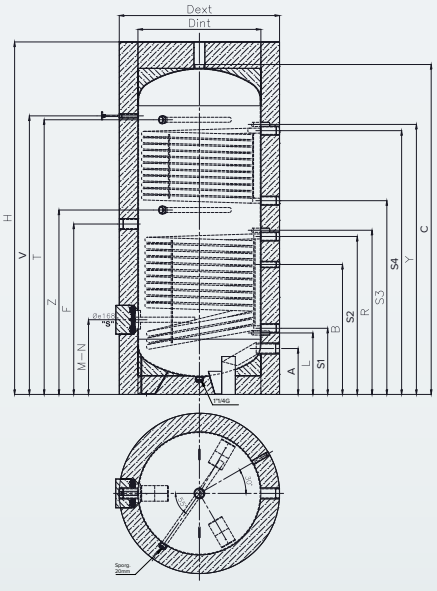
Maxis CD2 F

MADE IN ITALY | SOLAR INTEGRATION | EASY INSPECTION

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

Features

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



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

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

For the whole accessory list see page 240

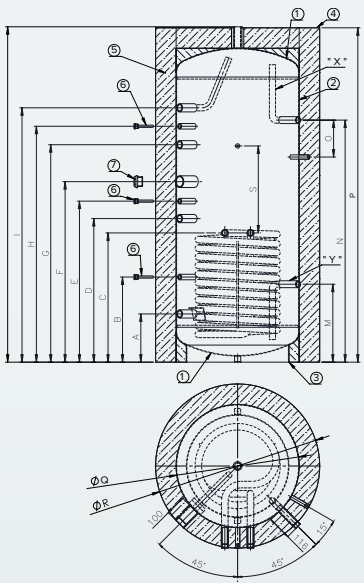
Maxis CK1

MADE IN ITALY

Buffer cylinder for primary circuit water with coil

Features

- / 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



KEY

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
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

CODE

	3060460	3060461	3060462	3060463
Energy class	B	C	C	C

For the whole accessory list see page 240

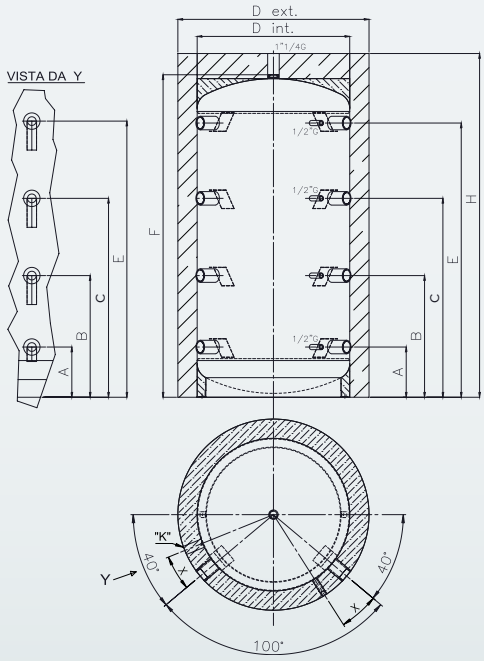
Maxis CKZ

MADE IN ITALY

Buffer cylinder for primary circuit water, without coil

Features

- / 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)



KEY
1 \ Primary ciurcuit connection G 2” F
2 \ Air release valve G 2” F
3 \ robe 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
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

CODE

ErP		3060622	3060623	3060624	3060625
	Energy class	C	C	-	-

For the whole accessory list see page 240

Cylinder Accessories

Description	Code	BC1S 7B	BC2S 7B	BCH EE	CDZ	CD1	CD1 F	CD2 F	CK1	BDR
Electric Kit 2 kW 230-400V 1 1/2"	3078222	•	•							
Electric Kit 6 KW 400V - 1 1/2'	3078223	• (only 450l)	• (only 450l)							
Electric Kit BDR CDS 1,5 KW-230V	3078069									• (80-100-120-150-200)
Electric Kit BDR CDS 2,5 KW-230V	3078070									• (80-100-120-150-200)
Electric Kit BDR CDS 2,5 KW-TRI	3078071									• (80-100-120-150-200)
Electric Kit 3 KW 230-400V	3105046				•	•	•	•	•	

Description	Code	BC1S 7B	BC2S 7B	BCH EE	CDZ	CD1	CD1 F	CD2 F	CK1	BDR
Electric Kit 12 KW 400V	3078157				●	●	●	●		
Electric Kit 24 KW 400V	3078158				●	●*	●**	●**		
Electric Kit 36 KW 400V	3078159				●	●*				
Flange DN 400 for electric kit INST	3105044				●	●				
Flange DN 168 for electric kit INST	3105045						●	●		

*3105044 mandatory
**3105045 mandatory

How to read the symbols

The icons have been designed to facilitate the reading of the features of each product. Ariston makes it possible, from the very beginning, to quickly and easily identify performance levels, understand the different ranges and evaluate purchasing criteria.

In short, users can familiarise themselves with each machine without becoming confused or wasting time, in line with the Ariston philosophy of always offering the customer - and the professional technician - a service which is clear and easy to use.

SUPER SILENT
Silent functioning, respectful of the quiet of your everyday life

ENERGY EFFICIENT
Better exploitation of energy and renewable sources, enhanced performance

ITALIAN DESIGN
The elegant aesthetics is designed in collaboration with Italian designers, an attention to details that dares to be shown off

SYSTEM MANAGEMENT
Manage all Ariston products connected in system thanks to BusBridgeNet® technology

MADE IN EUROPE
Made in Europe

ANTI-CORROSION
Longer durability and high performance thanks to the anti-corrosion Pro-tech technology

EASY INSTALLATION
Installation time and process optimized in cooperation with experts and professionals

SOLAR INTEGRATION
It can be connected in system with Ariston solar-sourced products

MADE IN ITALY
Made in Italy

AG+ COATING
AG+ cartridge technology with antibacterial capability that actively stop the proliferation of E-Coli, Salmonella, Legionella, Mould Fungi & More.

EASY INSPECTION
Large inspection flange for an easier access to the internal components of the products

OUTDOOR INSTALLATION
Designed to be safely installed outside, resistant to all kinds of weather

COMPACT SIZE
Compact design with reduced dimensions for an easy fit at your home

EASY MAINTENANCE
Frontal access to all main components

ECO EVO FUNCTION
Automatic setting of its functioning based on your habits and needs of hot water

ANTI-LEGIONELLA
Automatic water heating cycle to prevent bacterial growth

ANTI-FREEZING
Works at cold temperature

INVERTER TECHNOLOGY
Frequency modulation of the external unit compressor

SOLAR KEYMARK
Compliant with European quality certification for solar systems

ELECTRONIC TEMPERATURE MANAGEMENT
Electronic control panel for easier, more intuitive operation.

TITANIUM PLUS
Longer durability and resistance to corrosion thanks to the Titanium enameling of the water tank

INTEGRATION WITH PHOTOVOLTAIC SYSTEM
Connection with photovoltaic systems

Wi-Fi
Smart Connectivity - Aqua Ariston Net App

WATER PLUS
It keeps the incoming cold water at the bottom of the tank to ensure reduced mixing with stored hot water

ABSOLUTE SAFETY SYSTEM
It is a set of functions preserving the good functioning of the product in case of energy or water failures

INCOLOY ENAMELED HEATING ELEMENT
It is corrosion resistant and reduces limescale

TITAN SHIELD
It is an anti-corrosion and rust-resistant protective technology which prevents the surface from corroding even when it is in contact with warm water

DIGIT DISPLAY
Easy interaction and easy temperature management thanks to the advanced hi-tech digit display

LED DISPLAY
Simple and intuitive multifunction LED display

DOUBLE SAFETY THERMOSTAT
In case of malfunctioning, the precise thermostat blocks heating cycle before reaching too high temperature

HIGH EFFICIENCY INSULATION
Premium and robust environmental-friendly insulation material made up of Cyclopentane

DISPLAY ECO
Frontal led control panel with smart thermometer

SHOWER READY
It shows when enough water has been heated for a shower

i-MEMORY
Function that learns your habits and choses accordingly the best option between utilizing the renweable energy of the heat pump, and activating the heating element

DRY HEATING ELEMENT
The heating element is not
in direct contact with water for long lasting durability and limescale protection

SAFETY PACKAGE
Set of functions preserving the good functioning of the product in case of energy or water failures

HAIL-PROOF
Hail-resistant thick glass

STABLE TEMPERATURE
Outlet temperature remains stable even in the case of flow rate variation

IP25 WATERPROOF
The TOP level in water protection guarantees a safety installation in shower box

CONSTANT TEMPERATURE
Hot water and constant temperature right when you need them, in every condition and regardless of any external factor (water flow, water's original temperature)

SINGLE POINT
It is corrosion resistant and reduces limescale

MULTI POINT
Can supply more water points at the same time (pressurized)

FLAT
Low depth for space saving and easy fitting at your home

ELECTRONIC TEMPERATURE MANAGEMENT
Electronic thermostat ensures an increase of energy saving and prevents scalding thanks to anti-overheating features.

POWER AND TEMPERATURE MANAGEMENT
Flow regulation knob plus temperature regulation knob and 4 steps axial regulation power to set the desired energy consume

MUTIPOSITION
Flexible installation, vertical or horizontal position

PERFORMANCE PLUS
Enhanced performance thanks to the high quality material selection to increase heat absorption and limit heat dispersion

EXTERNAL TEMPERATURE REGULATION
EXTERNAL POWER REGULATION
Easy setting of the temperature/power, thanks to the external controller

The home of **sustainable comfort**

ariston.com