



STYLEBOILER

Italian Technology and Quality



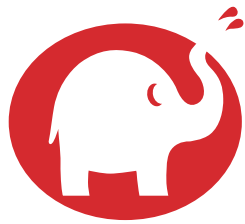
HEAT PUMPS INDIRECT CYLINDERS BUFFER CYLINDERS WATER HEATERS

July

CATALOGUE

2024

Italian Technology and Quality



STYLEBOILER

is a brand of  **GIONA**HOLDING

HEAT PUMPS INDIRECT CYLINDERS BUFFER CYLINDERS WATER HEATERS

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Company

Styleboiler has nearly **fifty years of experience** in the field of equipment for hot water production. In **1969** Mario Giona founded the company in Verona, starting the production of electric and gas water heaters and developing expertise and skills in this sector. Even if Styleboiler roots are in Europe, nowadays it operates all over the world, offering an extensive range of electric, gas, storage water heaters and indirect cylinders with glass lined steel or stainless-steel tanks and a complete range of heat pumps. Over the years the company has invested and diversified in manufacturing a wide range of storage tanks, developing demanding markets such as Switzerland, Germany and North America. A feature that makes Styleboiler the best possible solution is the company's focus on a strong partnership with its customers, offering customized solutions wherever possible, with **OEM** and **Private Label**. Styleboiler is continuously investing in and focusing on development of its cylinder products range and renewable technologies. The excellent quality of Styleboiler products is the result of an accurate design process combined with the use of **advanced technologies**, the ability in the welding and glass-lining processes and the manufacture of stainless-steel products.

Vision

Our purpose is to provide everyone with **sustainable products and solutions** to reduce consumption and protect the environment.

Mission

Styleboiler is committed to bringing the **best hot water solutions to families**, business and professional users and consumers around the world through its innovative heat pumps, hot water cylinders and water heaters.

Certified Quality

Every stage of the manufacturing process is checked because we believe that we need to own and control the primary technologies behind the products that we make and participate only in markets where we can make a significant contribution. Molding, welding, enameling, hydraulic tests, PU injection and external cover steel paint coating, are all procedures carried out in our own facility. This allows us to have **full control of our production process** in order to reach the highest quality.

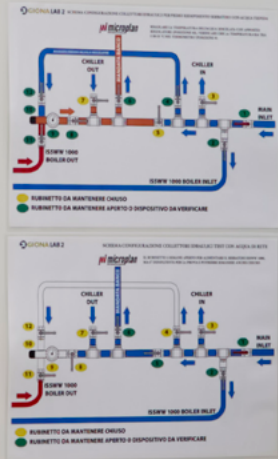
To guarantee the quality of our products we carry out different checks on our production process, starting from tests on incoming materials with an X-ray scanner, to tests of 100% water tightness of tanks, and every step in between.

All tests are planned and recorded in compliance with our quality standards **DNV-GL (ISO 9001:2015)** certified by the external agency DNV. We cooperate with the most accredited approval agencies and this leads to safe, reliable and high-performance products on the market. FMEA (Failure Mode and Effects Analysis), welding processes in accordance with **EN 1321** and Dynamic Pressure Test (Life Test EN 12897.4.4.3) guarantee the observance of the European Directives for safety and energy saving.

Our Certifications

To ensure the best performance and safety of our products we make use of the best **accredited laboratories** for Performance certification and safety standards.





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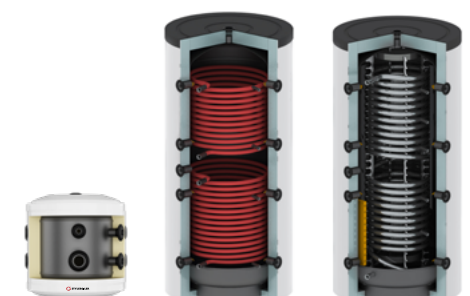
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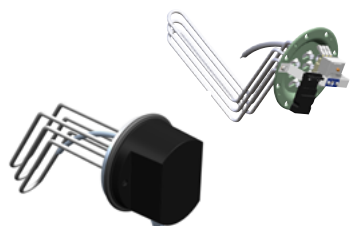


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 = new products
 = new features



STYLEBOILER

HEAT PUMPS

HEAT PUMPS

ELECTRICITY SUPPLY

1/3 of energy

EVAPORATOR

Absorption of heat from the outside

2/3 of energy

LAMINATION VALVE

CONDENSER

Yielding of heat to the domestic water

3/3 of energy

The strengths

- Smart Grid: intelligent energy management
- Wi fi
- Connection via App (iOS and Android)

The features that make this system worthwhile are multiple, but the most obvious advantage is that it is an intrinsically efficient system. It has direct repercussions on the amortisation of the installation cost and on the consumer's utility bills too. Moreover, using a heat pump enables the exploitation of portions of energy which would otherwise be wasted (such as in installations in boiler rooms). Lastly, this system also provides an easy and convenient integration with other renewable energy sources (solar panels, wood-fired boilers, etc.). Heat pumps are ideally installed in cellars or damp rooms because the humidity in the air is removed during operating (dehumidifying effect).

The systems

The heart of the "System" is an indirect cylinder with a built-in heat pump that enables the simultaneous or selective use of up to four different energy sources:

- 1) thermal energy;
- 2) electricity;
- 3) solar PV and solar thermal system;
- 4) environmental energy.

The heat pump is designed to transfer heat from one source at a lower temperature to another at a higher temperature. This process is the opposite of what happens in nature, and is due to the fact that electricity is supplied to the appliance that "pumps the heat" in the circuit. The operating principle of the heat pump is a thermodynamic cycle opposite to refrigeration. The efficiency of a heat pump is represented by its Performance coefficient COP, which is the ratio of the heat output yielded to the electrical power utilized.

Operating principle

The heat pump consists of a closed circuit made up of a compressor, a condenser, a lamination valve and an evaporator through which the heat transfer fluid flows. The thermodynamic cycle of the fluid consists of an adiabatic compression, a condensation phase, an expansion phase and also evaporation. During compression, the pressure and temperature of the fluid rise, during the second stage the fluid flows through a heat exchanger (condenser) where it comes into contact with domestic water, which it heats. During the third stage, the fluid flows through an expansion valve (lamination process) and its pressure and temperature consequently drop. During the last stage, referred to as evaporation, the fluid switches from its liquid state to gas: the coolant is at very low temperatures, which enables it to absorb heat from the external heat transfer fluid. So during the operation of the heat pump, the following occurs: electricity is consumed in the compressor, heat is absorbed from the external environment (evaporator) and liquid in the condenser is heated. The advantage of a heat pump is that more energy is supplied in the form of heat than the electricity required for operating.



Under ideal conditions, a heat pump can transfer 300 percent more energy than it consumes, compared to a high-efficiency gas furnace's 95 percent rating. This performance metric for heat pumps is also referred to as the coefficient of performance, or COP.

Cost savings

Even at sub zero temperatures, ambient air contains heat and when you concentrate that heat using a Futura heat pump, you can get enough out of it to heat your domestic hot water. Thanks to this free source of energy, Futura provides significant savings and is the absolute best way to get low cost hot water. Their low running costs compared to traditional electric water heater reduce your heating costs by up to 70% of the electricity required. As a rough estimate, you can expect that the annual energy consumption required to the production of domestic hot water in a family of 3 people is equal to 1,550 kWh / year. The average efficiency of our air source heat pump, calculated according to its Performance at an average annual air temperature of 15 °C and considering an electricity cost of 0.22 € / kWh, saves up to 300 € every year compared to a traditional water heater of the same size.

Product range

Styleboiler heat pumps are available in the following versions:

- Wall-Hung glass-lined steel (models EcoSyn 80-100)
- Floor standing glass-lined steel (Futura 200-250-300)
- Floor standing stainless steel (Futura model 200 X)
- Floor standing glass-lined steel with single coil (Futura 200-250-300 W)
- Floor standing stainless steel with single coil (Futura 250-300 WX)
- Floor standing glass-lined steel with double coil (Futura 250-300 WW)
- Floor standing stainless steel with double coil (Futura 300 WWX)

With the wide range you can always find the right product for your different installation needs.



Certifications

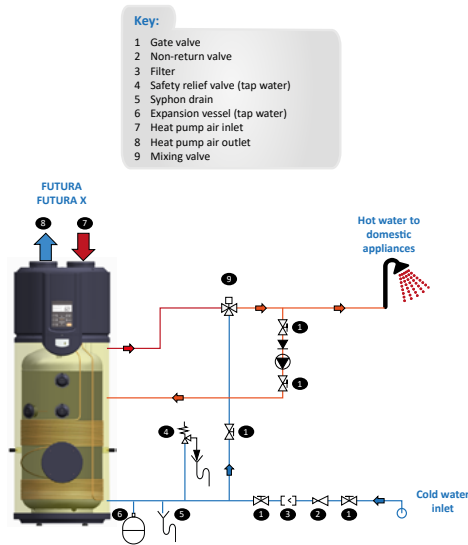
To grant the highest performance and safety of our heat pumps we used the best accredited laboratories for performance certification and safety standards.



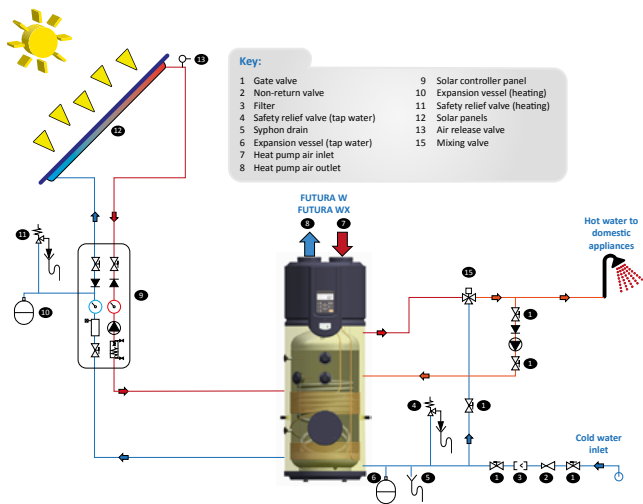


Example of hydraulic scheme

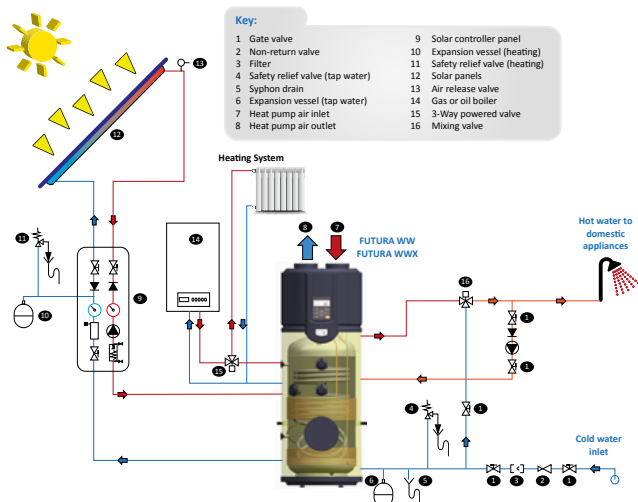
Only heat pump



Heat pump one coil



Heat pump two coils



EcoSyn



Compact system for heating sanitary water by using an air-to-water heat pump. It is an ecological, convenient and energy-saving solution. Absolute installation simplicity, the new heat pump is suitable for domestic use. Just plug it in, like in a normal water heater and it's ready.



- Storage tank of steel, glass-lined with "Blue Glass 4753" flow-coating method at 850°C WRAS (BS6920-1) and KTW-BWGL approved according to UBA specifications (German Environmental Agency)
- Corrosion-proof magnesium anode
- External casing made of sheet metal coated with (white) epoxy powder paint
- Very thick polyurethane (PU) foam insulation layer
- Duct with circular or rectangular pipes
- Brackets for wall-mounting
- 2x1,0 kW integrated electric heating element
- Operating range with air temperature -7÷35°C
- Electronic control panel with LCD touch display
- Turbo function with 75 °C water temperature
- Function anti-legionella and HOLIDAY
- Programmable time band /adjustable
- Air sensor for automatic activation
- Environmentally-friendly refrigerant fluid R134a
- Rotary compressor for maximum noiseless



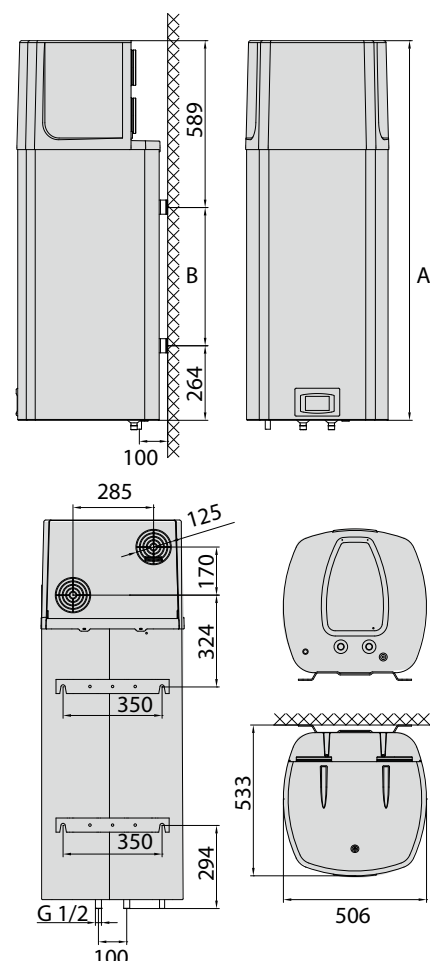
WARRANTY:

- 5 YEARS ON THE TANKS
- 2 YEARS ON THE OTHER COMPONENTS



TECHNICAL DATA	U.M.	EcoSyn 80	EcoSyn 100
Capacity	l	78,2	97,9
Code	/	171910	171911
Power supply	V~/Hz/A	230/50/16	230/50/16
Refrigerant fluid/ average load	-/kg	R134a/0,54	R134a/0,54
Average absorption (Heat pump only)	kW	0,25	0,25
Electric heating element (Integration)	nr/kW	2x1,0	2x1,0
Max. nominal absorption	kW	2,35	2,35
Coefficient of Performance (A15/ W10-55) EN 16147	COP	3,10	3,10
Heating time A15/ W10-55	h:min	04:40	05:40
Heating time A7/W10-55	h:min	05:20	06:50
ErP Energy Class		A+	A+
ErP Test profile		M	M
Range of use	°C	-7÷35	-7÷35
Max. temperature (Heat pump only)	°C	55	55
Max. temperature (with Electric heating element)	°C	75	75
Max. operating pressure ^{1/2}	MPa	0,6/1,2	0,6/1,2
Net weight	kg	58	62
Hydraulic connections	Rp	G ½"	G ½"
Dimensional values A/B:	mm	1197/345	1342/490

TOUCHSCREEN DISPLAY



¹ Max. operating pressure, ² Max. pressure test according to EN 12897 P.4.4.1



X-RAY view of floor standing FUTURA

CONNECTION

Wi-Fi connection for remote control via App

FAN

Centrifugal fan with plastic profiled blades, housed in aerodynamically shaped casing to increase efficiency and minimize sound level

COMPRESSOR

Rotary compressor ON / OFF with gas R134a on anti-vibration mountings to minimize the transmission vibration and noise

EVAPORATOR

Finned evaporator with a wide surface that improves heat exchange and reduces defrosting cycles to the benefit of seasonal efficiency

TANK PROTECTION AGAINST CORROSION

Storage tank of steel, glass-lined with "Blue Glass 4753" flow-coating method at 850°C WRAS (BS6920-1) and KTW-BWGL approved according to UBA specifications (German Environmental Agency). ALSO AVAILABLE WITH AISI 316L STAINLESS STEEL TANK (PASSIVATED)

CONDENSATE DRAIN HOSE

Condensate drain pipe

ELECTRONIC ANODE

Equipped with titanium electronic anode rod which allows protection against corrosion avoiding maintenance and replacement. Indicator lights indicate correct operation or any anomalies

FIX HEAT EXCHANGERS

Available with single or dual heat exchanger to provides superior installation flexibility by allowing combination heat source systems the ability to operate independently or at the same time with each other

ELECTRIC HEATING ELEMENT

Screwed in immersion heating elements for easy service and replacement, available with 1.0 or 2.0 kW. It allows water heating even with air temperatures below -7 °C or can be used as backup heater when high water temperatures are required

INSULATION

High-efficiency Non-CFC foam insulation minimizes standby heat loss and maximizes heat retention. PU Thickness 50 mm ($\lambda = 0.022 \text{ W / mK}$)

INSPECTION FLANGE

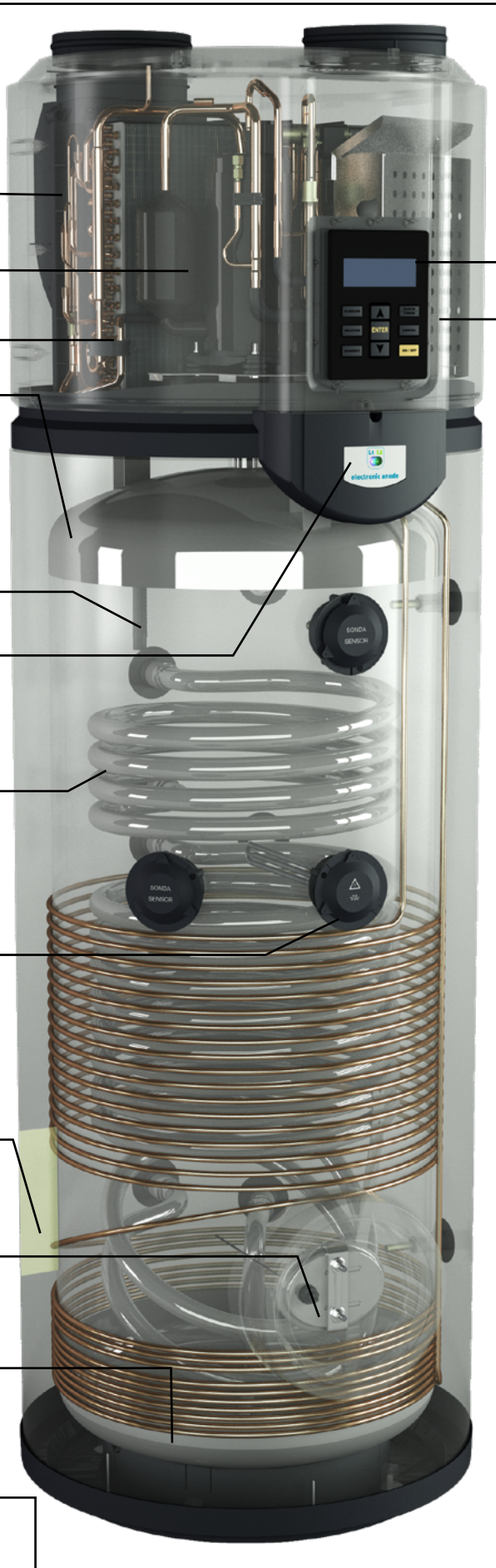
Inspection opening provides easy access to clean & inspect tank ($\varnothing 134 \text{ mm}$ for enamelled versions and 100x150 mm for stainless versions)

CONDENSER

The refrigerant coil is wrapped around the outside of the tank to avoid any possibility of water contamination due to leaks

STYLISH MULTIFUNCTIONAL DISPLAY

Electroluminescent digital control panel for flexible programming and multiple operating modes



SMART GRID



Made in Italy

Made in Italy

Smart Grid

Renewable energy sources are now playing an ever-greater role in energy generation. Yet you can't ask the sun to shine at night or the wind to blow when you need it. In other words, these renewable energy sources are variable. Smart grids are fitted with sensors that gather and transmit data. This information makes it possible to automatically adjust electricity flows.

SMART GRID



Through advance metering, utilities are able to provide demand response programs, which are designed to assist energy users in cutting back on power usage during heat waves and cold spells by reducing peak-demand periods on the grid, saving you money. Benefits of smart grid infrastructure include but are not limited to saving energy, reducing costs, and increasing reliability. Smart grid infrastructure is also essential for transitioning to a low-carbon electricity grid that includes intermittent renewable generation, such as utility-scale wind and solar.



Futura Thermodynamic

ErP Energy Class

A+



High efficiency water heating system with air-source heat pump. The system uses renewable energy.

- Ready for connection to the SMART GRID network and PV
- Modbus port
- WI-FI connection for remote control
- Storage tank of steel, glass-lined with "Blue Glass 4753" flow-coating method at 850°C WRAS (BS6920-1) and KTW-BWGL approved according to UBA specifications (German Environmental Agency)
- Ø 134 mm frontal inspection hatch
- **Anti corrosion titanium electronic anode**
- Thick layer polyurethane foam insulation (PU)
- Dent resistant jacket (PVC), gray Pantone 403C
- Heat pump condenser coil wrapped outside the tank to avoid any contact between Gas and domestic hot water
- Rotary compressor to limit the sound level
- 0,9 kW 230V~ electric heating element (INOX Incoloy 800), optionally available 2,0 kW 230V~
- Pressure safety switch
- Air supply and exhaust ducting allowed
- Automatic anti-legionella cycle and flexible programming

**WARRANTY:**

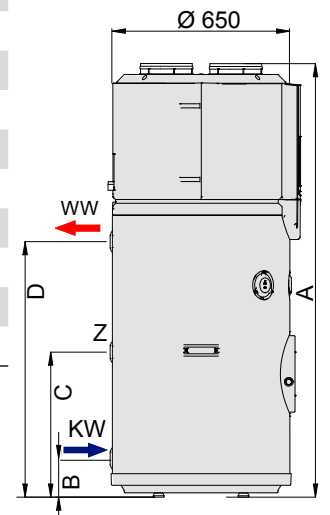
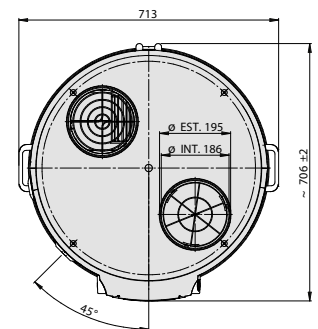
- 5 YEARS ON THE TANK
- 2 YEARS ON THE OTHER COMPONENTS



TECHNICAL DATA	U.M.	Futura 200	Futura 250	Futura 300
Capacity	l	200	250	299
Code	/	171920	171921	171922
Power supply	V~/Hz/A	230/50/16	230/50/16	230/50/16
Refrigerant fluid/ average load	-/Kg	R134a/1,02	R134a/1,20	R134a/1,20
Average absorption (Heat pump only)*	kW	0,627	0,627	0,627
Electric heating element (integration)	kW	0,9	0,9	0,9
Max. nominal absorption	kW	1,527	1,527	1,527
Heating time (Heat pump only) ³	min	196	220	262
ErP 2017 Energy Class	ErP	A+	A+	A+
ErP 2017 Test profile		L	XL	XL
Coefficient of Performance EN 16147 (15°C) */**	COP */**	2,66 / 3,76	3,1 / 4,34	3,1 / 4,34
Coefficient of Performance (26/43°C) ***	COP ***	4,13	5,18	5,18
Range of hot water	°C	38÷65	38÷65	38÷65
Range of use	°C	-20÷43	-20÷43	-20÷43
Range of use (Heat pump only)	°C	-7÷43	-7÷43	-7÷43
Max. noise level	db (A)	53	53	53
Anti-legionella cycle temperature	°C	70	70	70
Max. operating pressure ^{1/2}	Mpa	0,6/1,2	0,6/1,2	0,6/1,2
Net weight	kg	105	112	119
Hydraulic connections (KW-WW-Z)	Rp	1"	1"	1"
Dimensional values A/B	mm	1590/142	1805/142	2015/142
Dimensional values C/D	mm	492/937	492/1152	1062/1362

SMART GRID

ACCESSORIES PP. 91



*Ambient air 15°C, humidity 71%, inlet water temp. 15°C, Outlet water temperature 55°C. **Outlet water temperature 45 °C

***Ambient air 26/43°C, humidity 71%, inlet water temp 15°C, Outlet water temperature 65°C.

¹ Max. operating pressure, ² Max. pressure test according to EN 12897 P.4.4.1

³ Heating time (water temperature 45°C), Ambient temp. 20°C, inlet water temp 15°C

Futura 1 Coil

ErP  Energy ClassA+ 


High efficiency water heating system with air-source heat pump. The system uses renewable energy.

- Ready for connection to the SMART GRID network and PV
- Modbus port
- WI-FI connection for remote control
- Storage tank of steel, glass-lined with "Blue Glass 4753" flow-coating method at 850°C WRAS (BS6920-1) and KTW-BWGL approved according to UBA specifications (German Environmental Agency)
- Ø 134 mm frontal inspection hatch
- **Anti corrosion titanium electronic anode**
- Thick layer polyurethane foam insulation (PU)
- Dent resistant jacket (PVC), gray Pantone 403C
- Heat pump condenser coil wrapped outside the tank to avoid any contact between Gas and domestic hot water
- Rotary compressor to limit the sound level
- 0,9 kW 230V~ electric heating element (INOX Incoloy 800), optionally available 2,0 kW 230V~
- Pressure safety switch
- Air supply and exhaust ducting allowed
- Automatic anti-legionella cycle and flexible programming

WARRANTY:

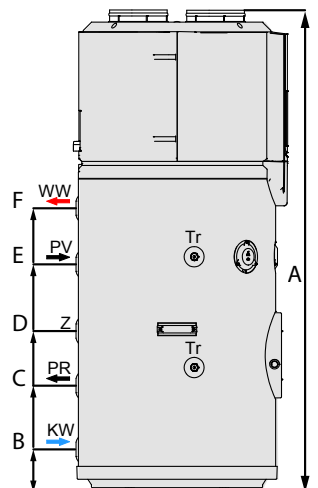
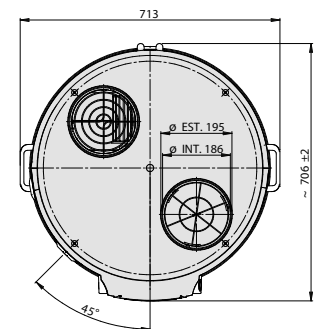
- **5 YEARS ON THE TANKS**
- **2 YEARS ON THE OTHER COMPONENTS**



TECHNICAL DATA	U.M.	Futura 200W	Futura 250W	Futura 300W
Capacity	l	195	243	290
Code	/	171923	171924	171925
Power supply	V~/Hz/A	230/50/16	230/50/16	230/50/16
Refrigerant fluid/ average load	-/Kg	R134a/1,02	R134a/1,20	R134a/1,20
Average absorption (Heat pump only)*	kW	0,627	0,627	0,627
Electric heating element (integration)	kW	0,9	0,9	0,9
Max. nominal absorption	kW	1,527	1,527	1,527
Heating time (Heat pump only) ³	min	191	214	254
ErP 2017 Energy Class / Test profile		A ⁺ / L	A ⁺ / XL	A ⁺ / XL
Coefficient of Performance EN 16147 (15°C) **	COP **	2,66 / 3,76	3,1 / 4,34	3,1 / 4,34
Coefficient of Performance (26/43°C) ***	COP ***	4,13	5,18	5,18
Range of hot water	°C	38÷65	38÷65	38÷65
Range of use	°C	-20÷43	-20÷43	-20÷43
Range of use (Heat pump only)	°C	-7÷43	-7÷43	-7÷43
Max. noise level	db (A)	53	53	53
Anti-legionella cycle temperature	°C	70	70	70
Max. operating pressure ^{1/2}	Mpa	0,6/1,2	0,6/1,2	0,6/1,2
Net weight	kg	117	128	140
Heat exchange surface	m ²	0,80	1,10	1,30
Primary power****	kW	25,0	31,0	37,0
Hydraulic connections (KW-WW-Z-PV-PR)	Rp	1"	1"	1"
Number of sensor	Tr	2	2	2
Dimensional values : A/B/C/D	mm	1590/142/352/492	1805/142/342/492	2015/142/342/882
Dimensional values : E/F	mm	752/937	802/1152	1062/1362

SMART
GRID 

ACCESSORIES PP. 91



*Ambient air 15°C, humidity 71%, inlet water temp. 15°C, Outlet water temperature 55°C. **Outlet water temperature 45 °C

Ambient air 26/43°C, humidity 71%, inlet water temp 15°C, Outlet water temperature 65°C. * Primary temperature 80°C / Secondary temp. 10÷45 °C

¹ Max. operating pressure, ² Max. pressure test according to EN 12897 P.4.4.1 ³ Heating time (water temperature 45°C), Ambient temp. 20°C, inlet water temp 15°C



Futura 2 Coils

ErP Energy Class

A+



High efficiency water heating system with air-source heat pump. The system uses renewable energy.

- Ready for connection to the SMART GRID network and PV
- Modbus port
- WI-FI connection for remote control
- Storage tank of steel, glass-lined with "Blue Glass 4753" flow-coating method at 850°C WRAS (BS6920-1) and KTW-BWGL approved according to UBA specifications (German Environmental Agency)
- Ø 134 mm frontal inspection hatch
- Anti corrosion titanium electronic anode
- Thick layer polyurethane foam insulation (PU)
- Dent resistant jacket (PVC), gray Pantone 403C
- Heat pump condenser coil wrapped outside the tank to avoid any contact between Gas and domestic hot water
- Rotary compressor to limit the sound level
- 0,9 kW 230V~ electric heating element (INOX Incoloy 800), optionally available 2,0 kW 230V~
- Pressure safety switch
- Air supply and exhaust ducting allowed
- Automatic anti-legionella cycle and flexible programming

WARRANTY:

- 5 YEARS ON THE TANK
- 2 YEARS ON THE OTHER COMPONENTS



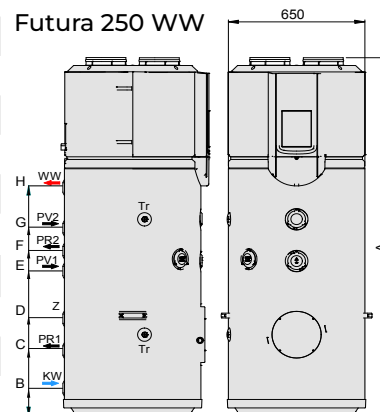
SMART GRID



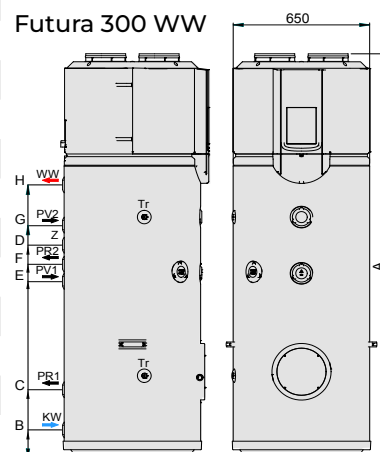
TECHNICAL DATA	U.M.	Futura 250 WW	Futura 300 WW
Capacity	l	242	286
Code	/	171926	171927
Power supply	V~/Hz/A	230/50/16	230/50/16
Refrigerant fluid/ average load	-/Kg	R134a/1,20	R134a/1,20
Average absorption (Heat pump only)*	kW	0,627	0,627
Electric heating element (integration)	kW	0,9	0,9
Max. nominal absorption	kW	1,527	1,527
Heating time (Heat pump only) ³	min	242	251
ErP 2017 Energy Class / Test profile	EnV	A+ / XL	A+ / XL
Coefficient of Performance EN 16147 (15°C) */**	COP */**	3,1 / 4,34	3,1 / 4,34
Coefficient of Performance (26/43°C) ***	COP ***	5,18	5,18
Range of hot water	°C	38÷65	38÷65
Range of use	°C	-20÷43	-20÷43
Range of use (Heat pump only)	°C	-7÷43	-7÷43
Max. noise level	db (A)	53	53
Anti-legionella cycle temperature	°C	65	65
Max. operating pressure ^{1/2}	Mpa	0,6/1,2	0,6/1,2
Net weight	kg	130	155
Heat exchange surface bot./top	m ²	0,80/0,40	1,30/0,80
Primary power**** bot./top	kW	25,0/13,0	37,0/25,0
Hydraulic connections (KW-WW-Z-PV-PR)	Rp	1"	1"
Number of sensor	Tr	2	2
Dimensional values : A/B/C/D	mm	1805/142/342/492	2015/142/342/1062
Dimensional values : E/F/G/H	mm	742/842/957/1152	882/967/1162/1362

ACCESSORIES PP. 91

Futura 250 WW



Futura 300 WW



*Ambient air 15°C, humidity 71%, inlet water temp. 15°C, Outlet water temperature 55°C. **Outlet water temperature 45 °C

Ambient air 26/43°C, humidity 71%, inlet water temp 15°C, Outlet water temperature 65°C. * Primary temperature 80°C / Secondary temp. 10÷45 °C

¹ Max. operating pressure, ² Max. pressure test according to EN 12897 P.4.4.1 ³ Heating time (water temperature 45°C), Ambient temp. 20°C, inlet water temp 15°C



FUTURA X

The stainless steel heat pump range (FUTURA X) combines the best technology for energy efficiency and tank production. The result of this synergy is a range of products with A+ ENERGY EFFICIENCY and a tank that ensures the maximum protection against corrosion and maximum benefit for product lifetime.

The main features are:

- **Smart Grid**
- **Wi - Fi**
- **Connection via App**
- **Connettivity through Modbus**
- Energy efficiency A+
- Tank in stainless steel AISI 316L
- Pickling and passivation process
- Impressed-current electronic anode
- Available with 1 or 2 additional heat exchanger
- Frontal inspection hatch
- Working range from -20 to +43°C
- Certified performances by WPZ lab
- Electrical safety certified by accredited institution according to EN60335-2-40



SMART
GRID





Futura



High efficiency water heating system with air-source heat pump. The system uses renewable energy.

- Ready for connection to the SMART GRID network and PV
- Modbus port
- WI-FI connection for remote control
- AISI 316L stainless steel tank pickled and passivated, welded with TIG and Plasma technology
- Frontal inspection hatch (100x150 mm)
- Anti corrosion titanium electronic anode
- Thick layer polyurethane foam insulation (PU)
- Dent resistant jacket (PVC), gray Pantone 403C
- Heat pump condenser coil wrapped outside the tank to avoid any contact between Gas and domestic hot water
- Rotary compressor to limit the sound level
- 0,9 kW 230V~ electric heating element (INOX Incoloy 800), optionally available 2,0 kW 230V~
- Pressure safety switch
- Air supply and exhaust ducting allowed
- Automatic anti-legionella cycle and flexible programming

WARRANTY:

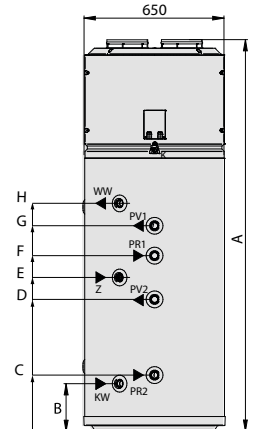
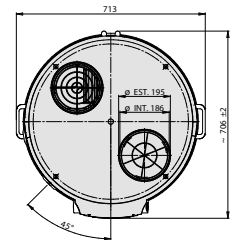
- 5 YEARS ON THE TANK • 2 YEARS ON THE OTHER COMPONENTS

ONLY HEATPUMP ONE COIL ONE COIL TWO COILS

TECHNICAL DATA	U.M.	Futura 200 X	Futura 250 WX	Futura 300 WX	Futura 300 WWX
Capacity	l	210	262	306	300
Code	/	171928	171932	171933	171935
Power supply	V~/Hz/A	230/50/16	230/50/16	230/50/16	230/50/16
Refrigerant fluid/ average load	-/Kg	R134a/1,02	R134a/1,20	R134a/1,20	R134a/1,20
Average absorption (Heat pump only)*	kW	0,627	0,627	0,627	0,627
Electric heating element (integration)	kW	0,9	0,9	0,9	0,9
Max. nominal absorption	kW	1,527	1,527	1,527	1,527
Heating time (Heat pump only) ³	min	206	231	268	267
ErP 2017 Energy Class / Test profile	ErP	A+ / L	A+ / XL	A+ / XL	A+ / XL
Coefficient of Performance EN 16147 (15°C) */**	COP */**	2,66 / 3,76	3,1 / 4,34	3,1 / 4,34	3,1 / 4,34
Coefficient of Performance (26/43°C) ***	COP ***	4,13	5,18	5,18	5,18
Range of hot water	°C	38÷65	38÷65	38÷65	38÷65
Range of use	°C	-20÷43	-20÷43	-20÷43	-20÷43
Range of use (Heat pump only)	°C	-7÷43	-7÷43	-7÷43	-7÷43
Max. noise level	db (A)	53	53	53	53
Anti-legionella cycle temperature	°C	70	70	65	70
Max. operating pressure ^{1/2}	Mpa	0,6/1,2	0,6/1,2	0,6/1,2	0,6/1,2
Net weight	kg	97	106	118	123
Heat exchange surface bot./top	m ²	-/-	1,10 /-	1,30	1,30/0,60
Primary power**** bot./top	kW	-/-	36,0 /-	43,0	42,0/22,0
Hydraulic connections (KW-WW-Z-PV-PR)	Rp	1" (KW-WW-Z)	1"	1"	1"
Number of sensor	Tr	-	2	2	2
Dimensional values : A/B/C/D	mm	1586/314/659/819	1836/314/349/722	2046/314/349/884	2046/314/349/884
Dimensional values : E/F/G/H	mm	-/-/-	704/1069/-	884/1279	884/969/1141/1279



ACCESSORIES PP. 91



*Ambient air 15°C, humidity 71%, inlet water temp. 15°C, Outlet water temperature 55°C. **Outlet water temperature 45 °C

Ambient air 26/43°C, humidity 71%, inlet water temp 15°C, Outlet water temperature 65°C. * Primary temperature 80°C / Secondary temp. 10÷45 °C

¹ Max. operating pressure, ² Max. pressure test according to EN 12897 P.4.4.1 ³ Heating time (water temperature 45°C), Ambient temp. 20°C, inlet water temp 15°C

The implementation of **new technologies** in our products will significantly reduce their **global environmental impact**





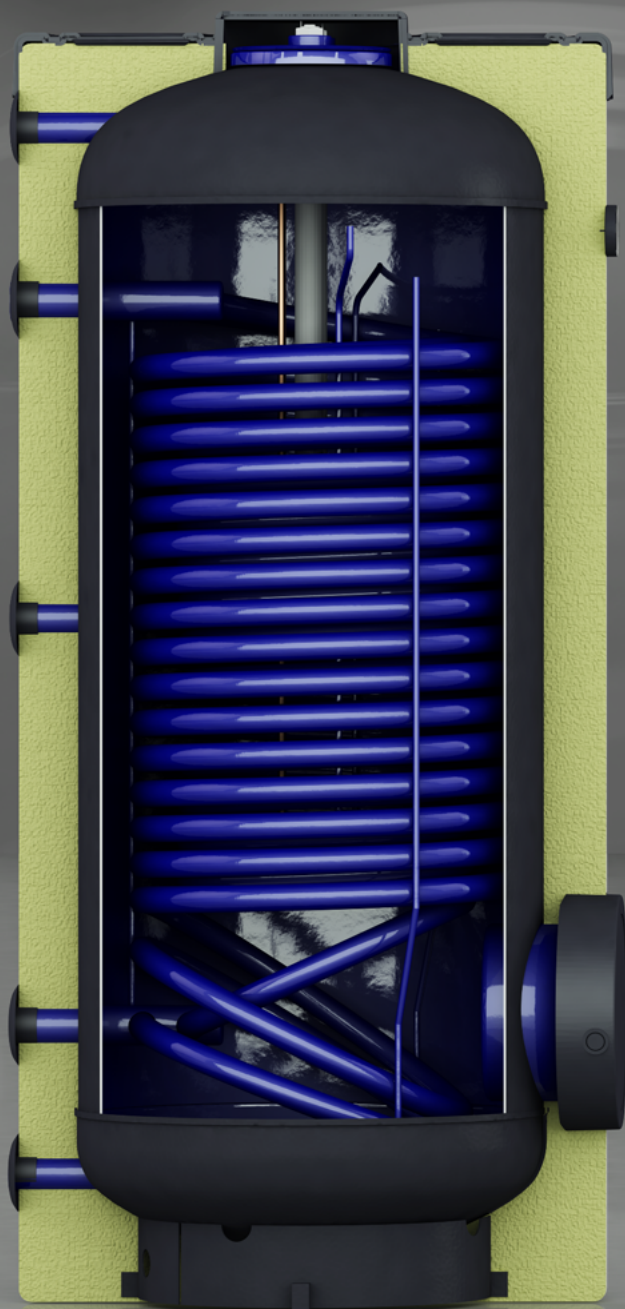
STYLEBOILER

GLASS-LINED INDIRECT CYLINDERS

GLASS-LINED INDIRECT CYLINDERS

The STRENGTHS of the product range in detail

This range of indirect cylinders performs indirect heating via one or two fixed coils with extensive heat exchange surfaces. They provide an **easy and abundant supply of hot water for all uses**. They can be connected to both independent and central heating systems, or to remote heating systems or they can be used in forced flow solar-powered systems, providing high heat exchange efficiency levels.



The models available include “undermount” appliances to be fitted below the boiler, which are ideally combined with any wall-hung boiler for the production of large quantities of hot water in a **limited amount of space**, along with the multi-purpose “free standing” versions which comprise single and double coil indirect cylinders. These are designed to integrate several types of energy available, from methane gas via a gas boiler, to electrical installations using the integration kit available, and even solar energy systems with the forced flow solar-powered systems.

Magnesium anode

Featured in all the models in the range, this anode makes for effective electrochemical tank protection.

Thermal insulation

Insulation layer made of very thick high-density polyurethane (PU) foam that guarantees excellent insulation.

Tank protection against wear

Storage tank of steel, glass-lined with "Blue Glass 4753" flow-coating method at 850°C WRAS (BS6920-1) and KTW-BWGL approved according to UBA specifications (German Environmental Agency)

Safety

The products are insulated using polyurethane foam which has been certified with a fire resistance class B2 according to DIN 4102 (self-extinguishing).

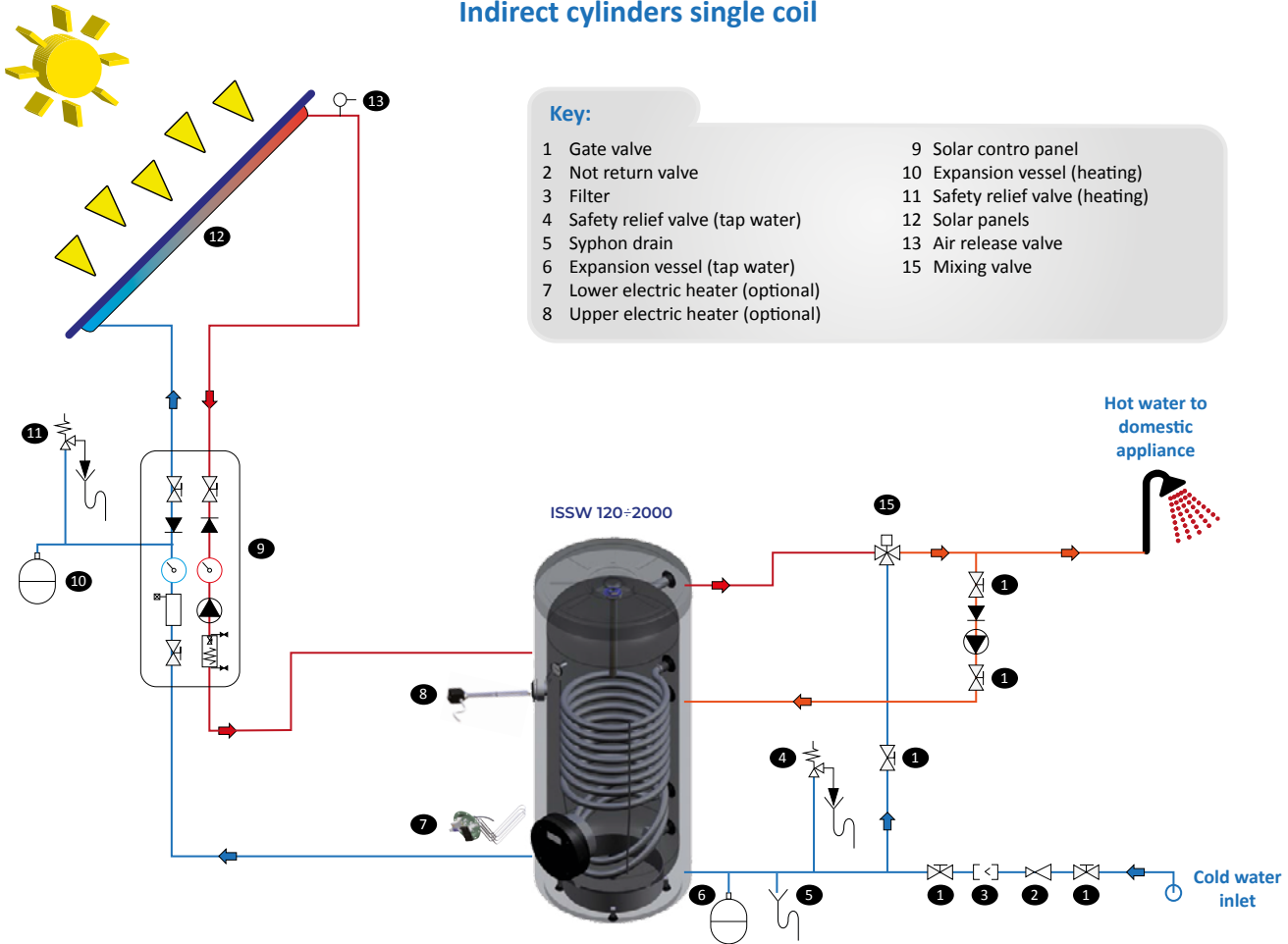
Environmentally friendly

We strive to optimize our industrial activity while respecting the environment. To minimize the environmental impact of its products, it has abolished the use of chlorofluorocarbon (CFC-HCFC) in the insulation layer and makes continuous efforts to use recyclable components.

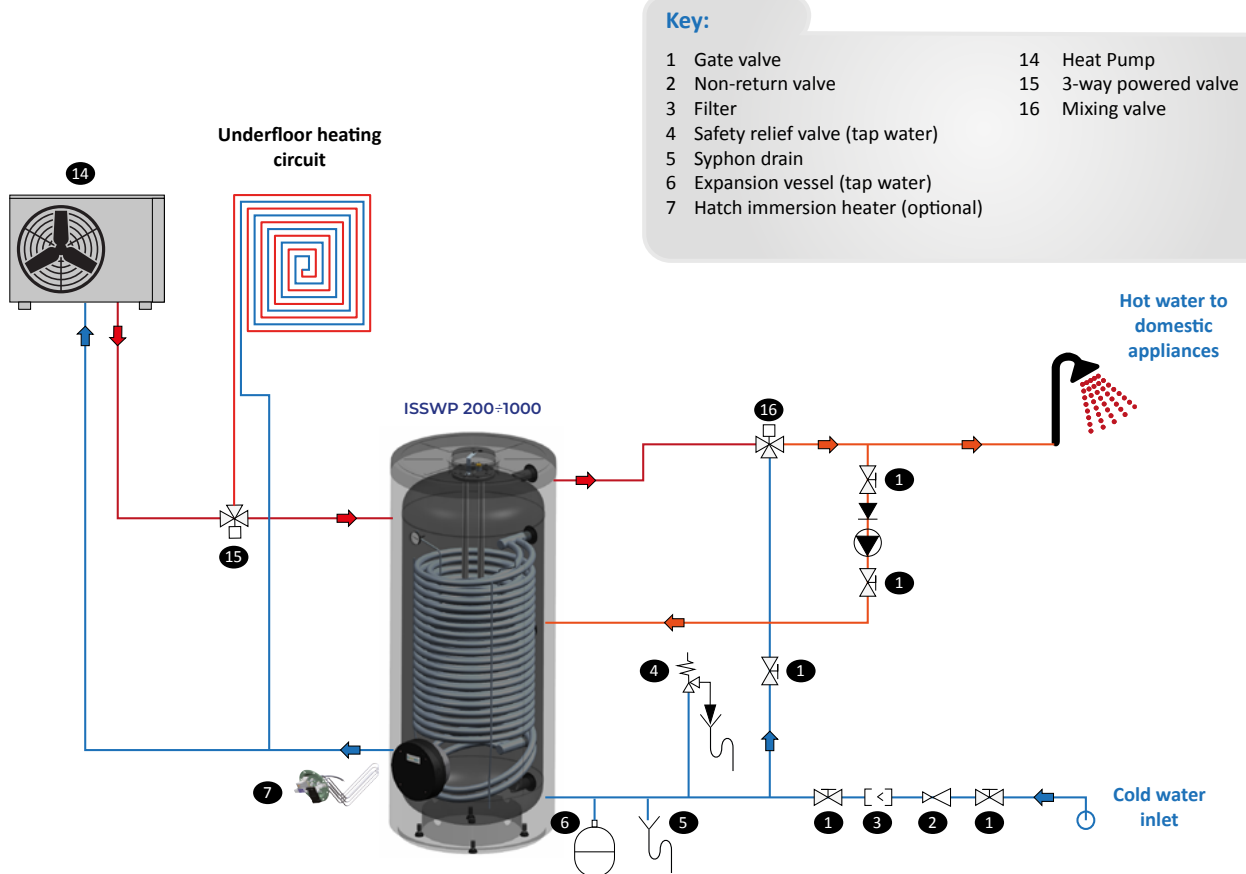


Example of hydraulic scheme

Indirect cylinders single coil

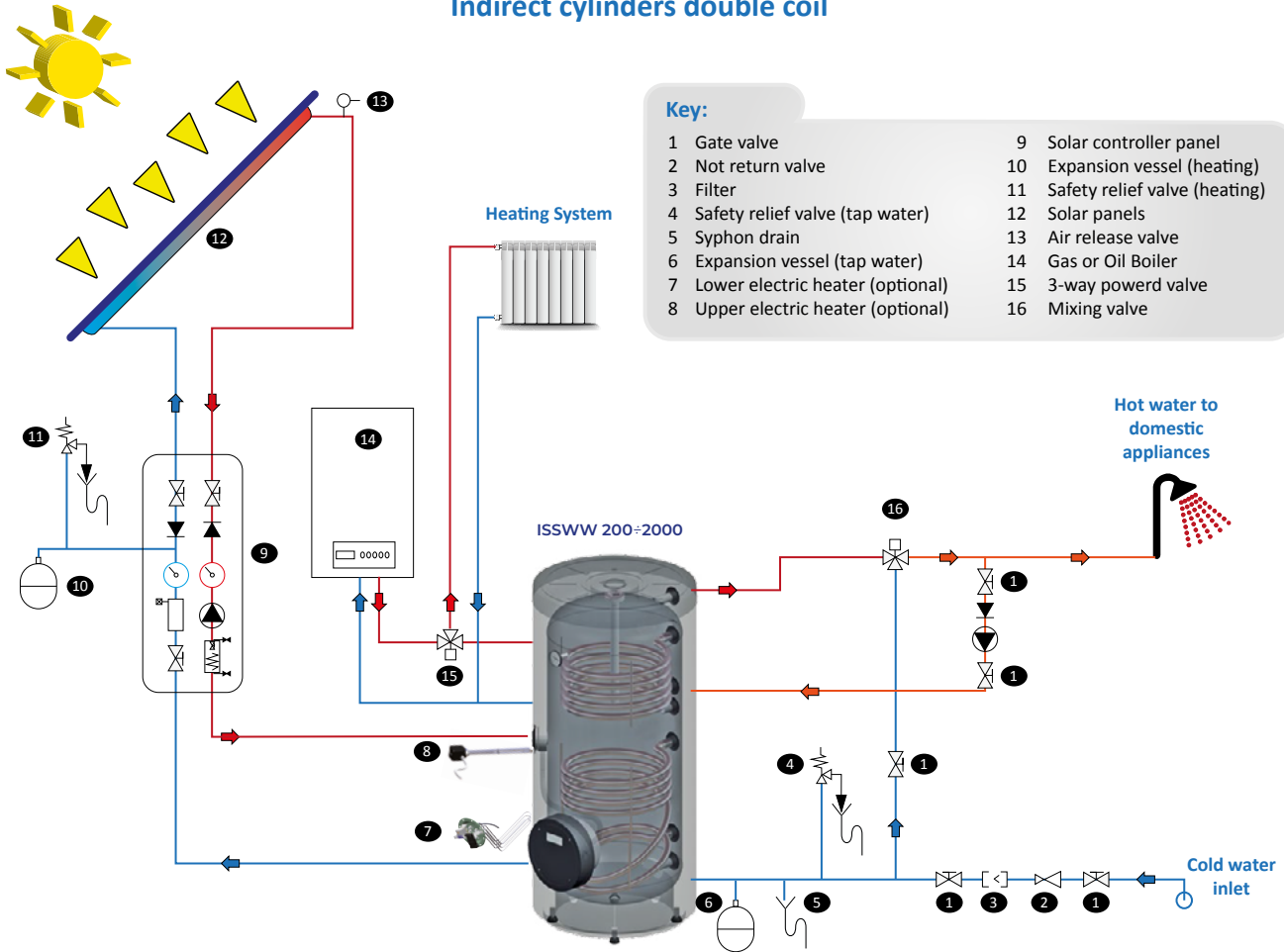


High capacity coil DHW tank

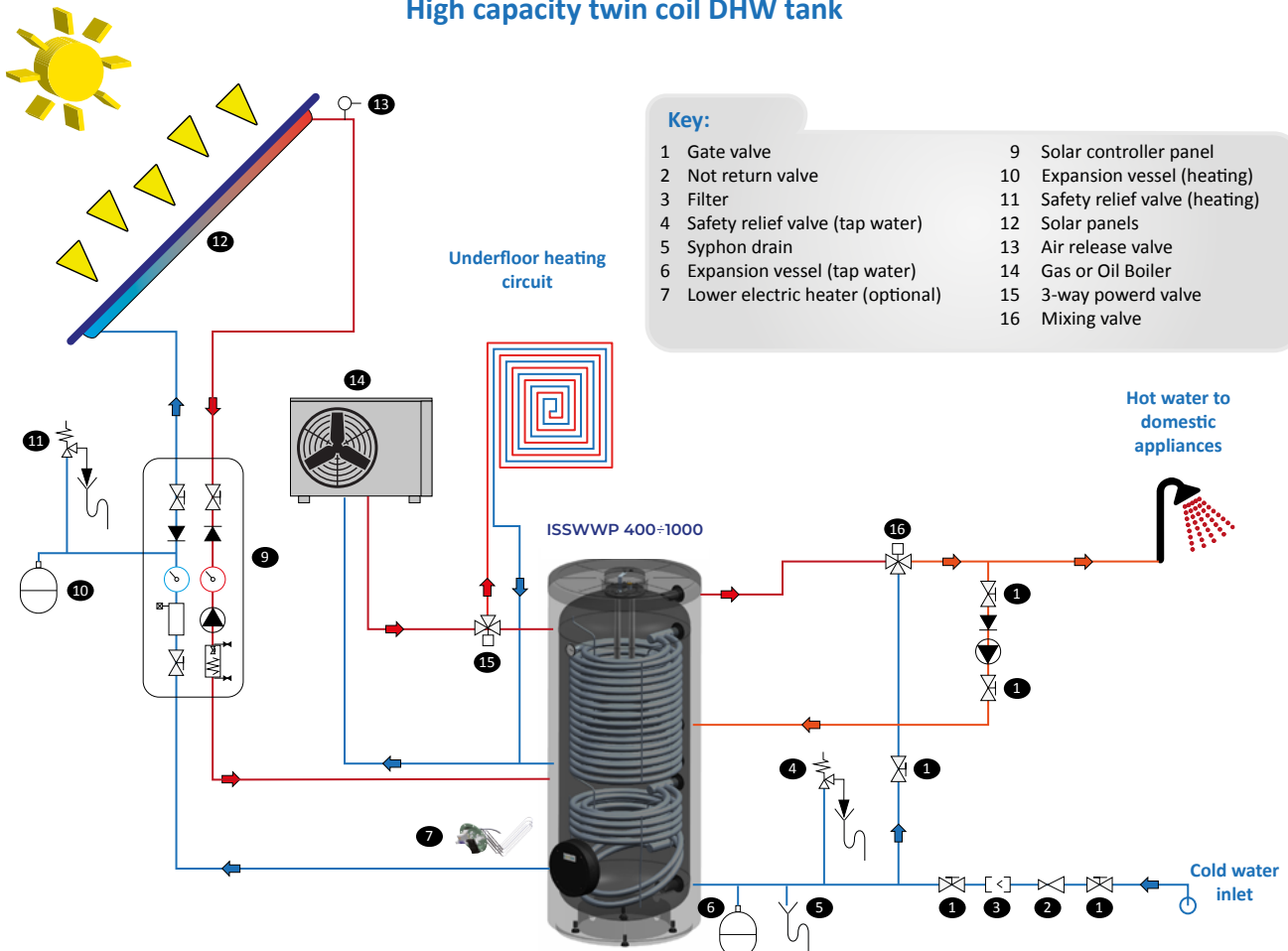


Example of hydraulic scheme

Indirect cylinders double coil



High capacity twin coil DHW tank





UNDERMOUNT HOT WATER TANK

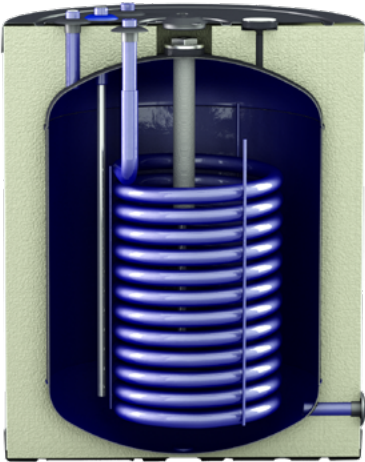
Designed for
energy efficiency

Class
A



Undermount Efficiency Plus

SERIES ISSWTA 120 - 160




Vertical single coil storage indirect cylinders are designed to be combined with any wall-hung boiler for the production of large quantities of hot water despite space restrictions. The high efficiency thick isolation in PU has led us to reach class A, for maximum energy saving.

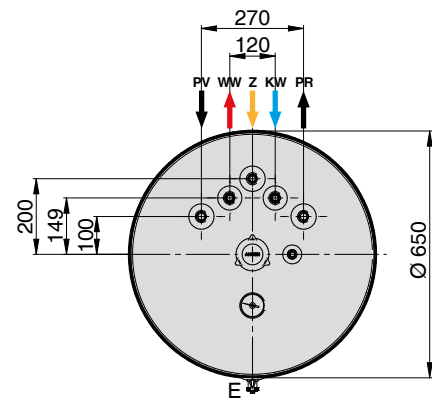
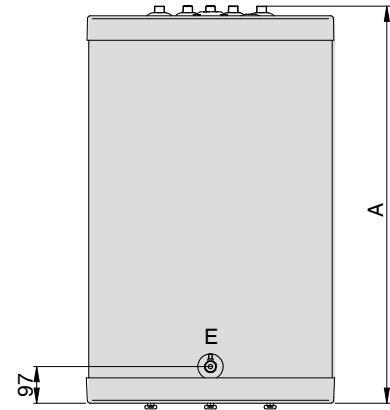
- Storage tank of steel, glass-lined with "Blue Glass 4753" flow-coating method at 850°C WRAS (BS6920-1) and KTW-BWGL approved according to UBA specifications (German Environmental Agency)
- High density very thick polyurethane (PU) foam for the utmost energy efficiency (Lambda 0,022 W/mK)
- Corrosion-proof magnesium anode
- Drain tap allows quick and easy drainage
- External layer in ABS
- Lowered coil for the maximum heat exchange process and to reduce the formation of limescale
- Hydraulic fittings installed in the upper part to facilitate the connection with a wall-hung boiler
- Adjustable feet for floor standing
- Stored water temperature indicator

WARRANTY:

- 5 YEARS ON THE TANK
- 2 YEARS ON THE OTHER COMPONENTS

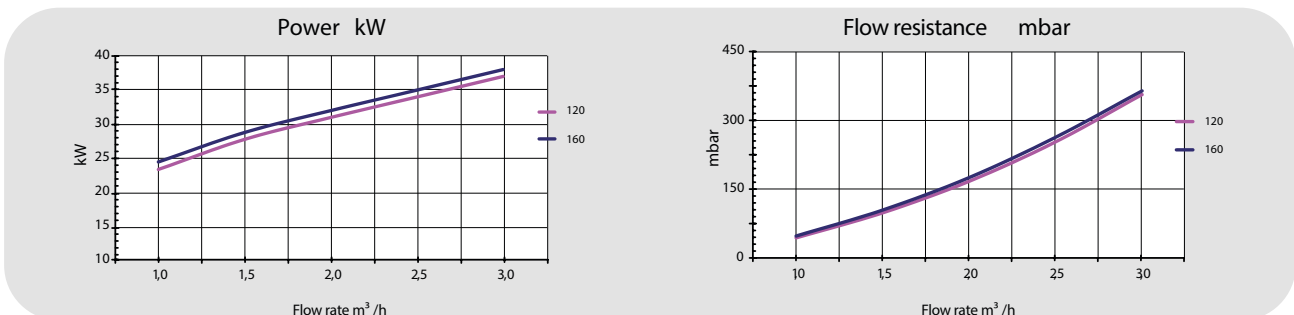


TECHNICAL DATA	U.M.	ISSWTA 120	ISSWTA 160
Capacity	l	117	155
Code	/	186317	186318
Heat exchange surface	m ²	1,15	1,20
Primary power (ΔT 35 K)*	kW	32	32
D.H.W. production (ΔT 35 K)*	l/h	780	780
Heating time (ΔT 50 K)*	min	10	13
Flow resistance	mbar	170	172
Primary flow rate	m ³ /h	2,0	2,0
Insulation thickness	mm	≥75	≥75
ErP Energy Class		A	A
ErP Heat Loss Watt	w/h	33	37
Max. operating temperature	°C	95	95
Max. operating pressure ^{1/2}	MPa	0,6/1,2	0,6/1,2
Net weight	kg	60	68
Hydraulic connections (WW-KW-PV-PR-Z)	Rp	¾"	¾"
Drain tap (E)	Rp	½"	½"
Dimensional values : A	mm	850	1050



Notes: * Primary temperature 80°C / Secondary temperature 10-45°C / Primary capacity specified in the table / D.H.W = Domestic hot water

Notes: ¹ Max. operating pressure, ² Max. pressure test according to EN 12897 P.4.4.1





Square Undermount

SERIES ISSWT 120 -160

ErP Energy Class



Vertical single coil storage indirect cylinders are designed to be combined with any wall-hung boiler for the production of large quantities of hot water despite space restrictions. The rectangular shape can be fitted as an undermount indirect cylinder. The coloured PVC coating enhances its appearance and protects it against possible damage during assembly and normal use. In addition, the product is designed so that it can be completely dismantled for recycling and/or the disposal of its components. Ideal for domestic use.

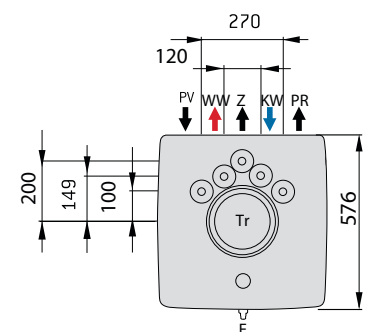
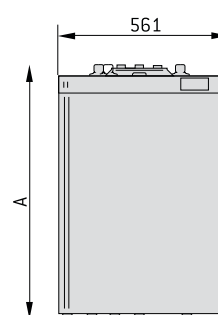
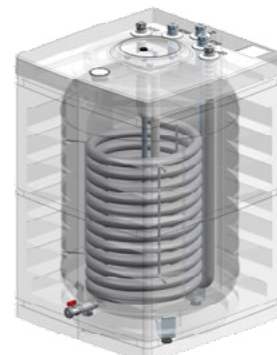
- Storage tank of steel, glass-lined with "Blue Glass 4753" flow-coating method at 850°C WRAS (BS6920-1) and KTW-BWGL approved according to UBA specifications (German Environmental Agency)
- Ø 84 mm top inspection flange complete with counter-flange and probe sheath (Tr)
- Corrosion-proof magnesium anode
- Drain tap allows quick and easy drainage
- Adjustable feet for floor standing
- Hydraulic fittings installed in the upper part to facilitate the connection with a wall-hung boiler
- Self-extinguishing and very thick high-density (EPS) polystyrene shell
- External soft plastic coating (PVC), white RAL 9010
- Stored water temperature indicator
- Lowered coil for the maximum heat exchange process and to reduce the formation of limescale

WARRANTY:

- 5 YEARS ON THE TANK
- 2 YEARS ON THE OTHER COMPONENTS



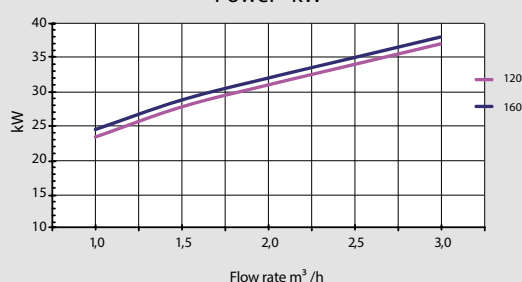
TECHNICAL DATA	U.M.	ISSWT 120	ISSWT 160
Capacity	l	117	155
Code	/	171936	171937
Heat exchange surface	m ²	1,15	1,20
Primary power (ΔT 35 K)*	kW	32	32
D.H.W. production (ΔT 35 K)*	l/h	780	780
Heating time (ΔT 50 K)*	min	10	13
Flow resistance	mbar	170	172
Primary flow rate	m ³ /h	2,0	2,0
Insulation thickness (EPS)	mm	>30	>30
ErP Energy Class		C	C
ErP Heat Loss Watt	w/h	70	76
Max. operating temperature	°C	95	95
Max. operating pressure ^{1/2}	MPa	0,6/1,2	0,6/1,2
Net weight	kg	54	64
Hydraulic connections (WW-KW-PV-PR-Z)	Rp	¾"	¾"
Drain tap (E)	Rp	½"	½"
Dimensional values : A	mm	845	1045



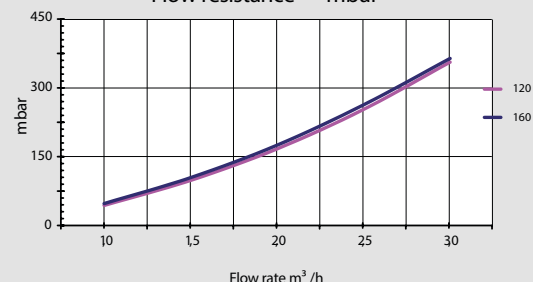
Notes: * Primary temperature 80°C / Secondary temperature 10-45°C / Primary capacity specified in the table / D.H.W. = Domestic hot water

Notes: ¹ Max. operating pressure, ² Max. pressure test according to EN 12897 P.4.4.1

Power kW



Flow resistance mbar







Free Standing 1 Coil

SERIE ISSW 120÷2000



Single coil storage indirect cylinders use indirect heating. They provide an easy and abundant supply of hot water for all uses. They can be connected to central heating systems, forced flow solar-powered systems and can be fitted with further integration systems. Recommended for industrial and collective use.

- Storage tank of steel, glass-lined with "Blue Glass 4753" flow-coating method at 850°C WRAS (BS6920-1) and KTW-BWGL approved according to UBA specifications (German Environmental Agency)
- Frontal inspection hatch Ø 134 mm for SERIES 120÷500, Ø 180 mm for SERIES 800÷2000
- Corrosion-proof magnesium anode for SERIES 120÷500
- Electronic anode for SERIES 800÷2000
- Lowered coil for the maximum heat exchange process and to reduce the formation of limescale
- Recirculation fitting
- Suitable housing for sensors (Tr)
- Adjustable feet for floor standing
- High density very thick polyurethane (PU) hard foam for the utmost energy efficiency (Lambda 0,022 W/mK) for SERIES 120÷500
- High density very thick polyurethane (PU) soft foam for the utmost energy efficiency for SERIES 800÷2000
- Integration kits available with single and three-phase connection heating element
- Its external soft PVC coating ensures aesthetic look and provides protection against mechanical damages

WARRANTY:

- 5 YEARS ON THE TANK
- 2 YEARS ON THE OTHER COMPONENTS



AVAILABLE ON REQUEST

AVAILABLE ON REQUEST

ACCESSORIES PP. 88

TECHNICAL DATA	U.M.	ISSW 120	ISSW 160	ISSW 200	ISSW 300	ISSW 400	ISSW 500	ISSW 800 L	ISSW 1000 L	ISSW 1500 L	ISSW 2000 L
Capacity	l	114	162	205	299	407	492	804	905	1498	2055
Code	/	171942	171943	171944	171945	171946	171947	FU000033	FU000034	FU000035	FU000036
Heat exchange surface	m ²	0,6	0,8	1,0	1,3	1,7	1,8	2,4	3,0	3,6	4,2
Heat exchange surface (ΔT 35°C)*	kW	20	27	30	44	55	60	67	84	101	118
D.H.W. production heat exchanger (ΔT 35°C)*	l/h	491	663	737	1081	1351	1450	1651	2064	2477	2890
Heating time using exchanger (ΔT 35°C)*	min.	15	15	17	18	19	23	31	28	38	45
Max. operating temp.	°C	95	95	95	95	95	95	95	95	95	95
Max. operating press. ^{1,2}	MPa	0,6/1,2	0,6/1,2	0,6/1,2	0,6/1,2	0,6/1,2	0,6/1,2	0,6/1,2	0,6/1,2	0,6/1,2	0,6/1,2
ErP Energy Class		B	B	B	B	B	B	C	C	C	C
ErP Heat Loss Watt	W/h	49	52	50	65	73	77	127	142	171	188
Insulation thickness	mm	≥50	≥50	≥75	≥75	≥75	≥75	≥100	≥100	≥100	≥100
Thermal insulation		Very thick PU insulation layer						Polyester fiber insulation 100 mm + external black PVC			
Tank protection against corrosion		Blue Glass 4753" enamelling process certified WRAS BS 6320-1) and KTW-BWGL approved according to UBA specifications, magnesium anode						Enamelling process as per DIN 4753 - Electronic anode for active tank protection			
Net weight	kg	45	57	66	97	123	144	217	261	310	368
Ø Frontal inspection hatch (FLu-FL)	mm	134	134	134	134	134	134	180	180	180	180
D.H.W. connections (KW-WW)	mm	¾" / Rp	¾" / Rp"	1" / Rp	1" / Rp	1" / Rp	1" / Rp	1 ¼" IG	1 ¼" IG	1 ¼" IG	1 ¼" IG
Coil fittings (PV-PR)	mm	1" / Rp	1" / Rp	1" / Rp	1" / Rp	1" / Rp	1" / Rp	1" IG	1" IG	1" IG	1" IG
Recirculation fitting (Z)	Rp	¾" / Rp	¾" / Rp"	¾" / Rp	¾" / Rp	¾" / Rp	¾" / Rp	1"	1"	1"	1"
Heating element connection (HZL2)	Rp	1" ¼ Rp	1" ¼ Rp	1" ½ Rp	1" ½ Rp	1" ½ Rp	1" ½ Rp	1" ½ IG	1" ½ IG	1" ½ IG	1" ½ IG

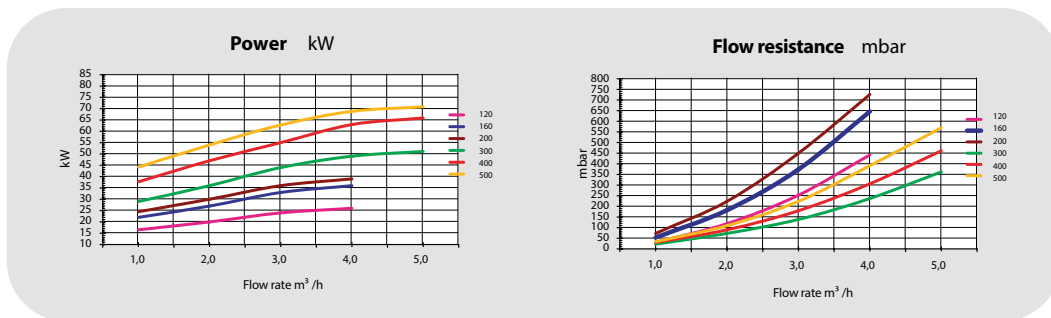
Notes: * Primary temperature 80°C / Secondary temperature 10-45°C / Primary flow rate specified in the table / D.H.W. = Domestic hot water

Notes: ¹ Max. operating pressure, ² Max. pressure test according to EN 12897 P.4.4.1

**Using only the upper exchanger, the heating capacity will be equal to 40% of the total storage volume.

TECHNICAL DATA	U.M.	ISSW 120	ISSW 160	ISSW 200	ISSW 300	ISSW 400	ISSW 500
Dimensional values : A	mm	550	550	650	705	755	785X800
Dimensional values : B	mm	571	571	668	725	775	825
Dimensional values : C	mm	924	1174	1335	1565	1755	1821
Dimensional values : D	mm	111	111	157	154	155	168
Dimensional values : E	mm	229	229	293	344	358	398
Dimensional values : F	mm	337	337	468	544	511	560
Dimensional values : G	mm	507	607	633	834	808	938
Dimensional values : H	mm	605	699	783	984	928	1088
Dimensional values : I	mm	646	737	833	1024	1028	1121
Dimensional values : L	mm	697	797	863	1064	1008	1168
Dimensional values : M	mm	828	1078	1202	1414	1611	1658
Tilt height	mm	1070	1295	1442	1675	1868	1950

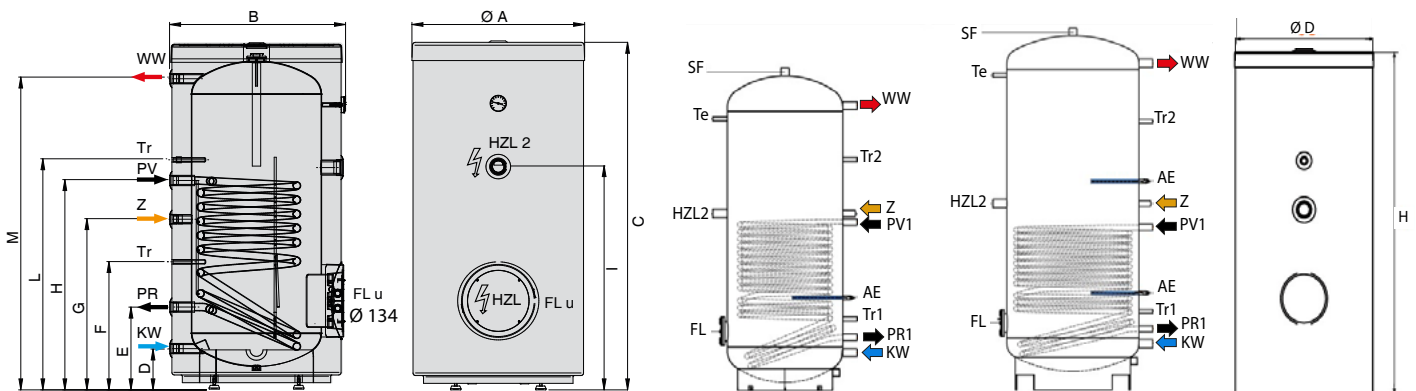
ISSW 120÷500



ISSW 120÷500

ISSW 800÷1000 L

ISSW 1500÷2000 L



DIMENSIONS

1 COIL	KW	WW	PR1	PV1	Z	Tr1	Tr2	HZL2	Te	Ø D	H
ISSW 800 L	238	1814	336	941	1106	452	1470	1106	1730	950	2090
ISSW 1000 L	244	1819	342	1077	1132	458	1476	1132	1736	990	2090
ISSW 1500 L	310	2190	410	1090	1250	526	1800	1300	2110	1150	2475
ISSW 2000 L	325	2205	425	1205	1335	541	1815	1335	2125	1300	2524

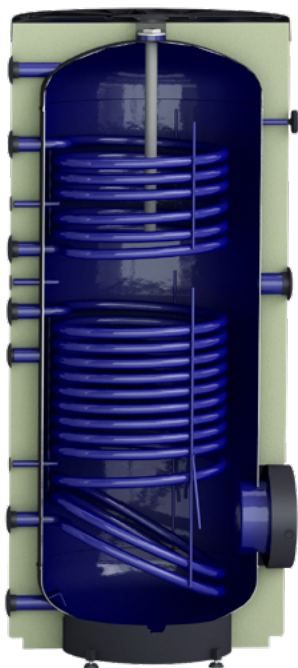
KEY

KW	Domestic cold water	Z	Recirculation fitting
WW	Domestic hot water	Tr1	Lower dry-well Ø ½"
PV1	Lower coil inlet	Tr2	Upper dry-well ½"
PR1	Lower coil outlet	HZL2	Immersion heater
PV2	Upper coil inlet	Te	Thermometer
PR2	Upper coil outlet	SF	Air vent



Free Standing 2 Coils

SERIES ISSWW 200÷2000



Double coil hot water cylinders were developed to meet the growing demand for systems that combine a renewable heat source with a standard oil, gas, biomass or electric boiler, and are particularly suitable for use with a solar hot water system. The renewable heat supply should be connected to the bottom coil, which is designed to preheat the surrounding water. The central heating boiler connection should be made to the top coil.

- Storage tank of steel, glass-lined with "Blue Glass 4753" flow-coating method at 850°C WRAS (BS6920-1) and KTW-BWGL approved according to UBA specifications (German Environmental Agency)
- Frontal inspection hatch Ø 134 mm for SERIES 120÷500, Ø 180 mm for SERIES 800÷2000
- Corrosion-proof magnesium anode for SERIES 120÷500
- Eletronic anode for SERIES 800÷2000
- Lowered coil for the maximum heat exchange process and to reduce the formation of limescale
- Recirculation fitting
- Suitable housing for sensors (Tr)
- Adjustable feet for floor standing
- High density very thick polyurethane (PU) hard foam for the utmost energy efficiency (Lambda 0,022 W/mK) for SERIES 120÷500
- High density very thick polyurethane (PU) soft foam for the utmost energy efficiency for SERIES 800÷2000
- Integration kits available with single and three-phase connection heating element
- Its external soft PVC coating ensures aesthetic look and provides protection against mechanical damages

WARRANTY:

- 5 YEARS ON THE TANK
- 2 YEARS ON THE OTHER COMPONENTS



AVAILABLE ON REQUEST

AVAILABLE ON REQUEST

ACCESSORIES PP. 88

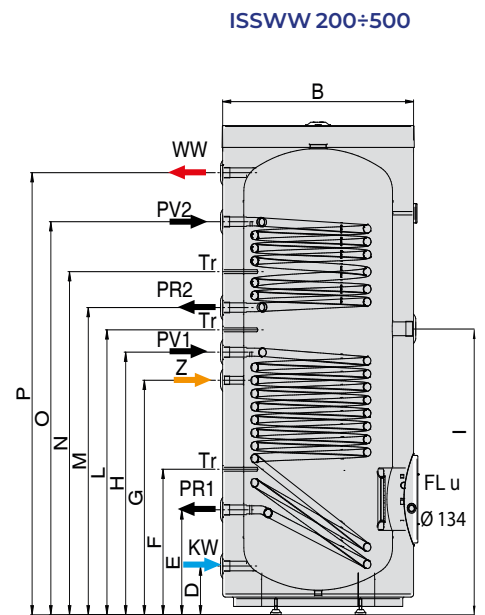
TECHNICAL DATA	U.M.	ISSWW 200	ISSWW 300	ISSWW 400	ISSWW 500	ISSWW 800 L	ISSWW 1000 L	ISSWW 1500 L	ISSWW 2000 L
Capacity	l	198	294	401	487	804	905	1498	2055
Code	/	171952	171953	171954	171955	FU000038	FU000039	FU000040	FU000041
Heat exchange surface bot./top	m ²	0,7/0,5	1,3/0,9	1,7/0,9	1,7/0,9	2,4/1,8	3,0/2,4	3,6/3,0	4,2/3,0
Power (ΔT35k)* bot./top	kW	22,5/22,0	44,0/31,5	55,0/31,5	55,0/31,5	67/50	84/67	101/84	118/84
DHW prod. (ΔT35k)* bot./top	l/h	533/540	1081/774	1351/774	1351/774	1651/1238	2064/1651	2477/2064	2890/2064
Heating time (ΔT35k)* bot./top	min.	22/9**	17/9**	18/12**	20/17**	31/17**	28/14**	38/18**	45/25**
Max. operating temperature	°C	95	95	95	95	95	95	95	95
Max. operating temperature ^{1/2}	MPa	0,6/1,2	0,6/1,2	0,6/1,2	0,6/1,2	0,6/1,2	0,6/1,2	0,6/1,2	0,6/1,2
ErP Energy Class		B	B	B	B	C	C	C	C
ErP Heat Loss Watt	W/h	51	65	73	77	127	142	171	188
Insulation thickness	mm	≥75	≥75	≥75	≥75	≥100	≥100	≥100	≥100
Thermal insulation		Very thick PU insulation layer				Polyester fiber insulation 100 mm + external black PVC			
Tank protection against corrosion		Blue Glass 4753" enamelling process certified WRAS BS 6320-1) and KTW-BWGL approved according to UBA specifications, magnesium anode				Enamelling process as per DIN 4753 - Electronic anode for active tank protection			
Net weight	kg	61	105	133	154	247	272	350	410
Ø Frontal inspection hatch (FLu-FL)	mm	134	134	134	134	180	180	180	180
Hydraulic connections (KW-WW)	mm	1" / Rp	1" / Rp	1" / Rp	1" / Rp	1 ¼" IG	1 ¼" IG	1 ¼" IG	1 ¼" IG
Exchanger fittings (PV-PR)	mm	1" / Rp	1" / Rp	1" / Rp	1" / Rp	1" IG	1" IG	1" IG	1" IG
Recirculation fitting (Z)	mm	¾" / Rp	¾" / Rp	¾" / Rp	¾" / Rp	1" IG	1" IG	1" IG	1" IG
Heating element connection (HZL2)	Rp	1" ½ IG	1" ½ IG	1" ½ IG	1" ½ IG	1" ½ IG	1" ½ IG	1" ½ IG	1" ½ IG

Notes: * Primary temperature 80°C / Secondary temperature 10-45°C / Primary flow rate specified in the table / D.H.W = Domestic hot water

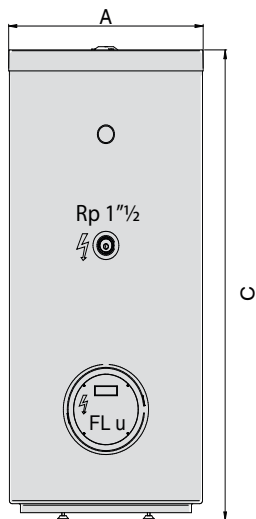
Notes: ** Using only the top exchanger volume that is affected will be equal to 40% of the total accumulation

Notes: ¹ Max. operating pressure, ² Max. pressure test according to EN 12897 P.4.4.1

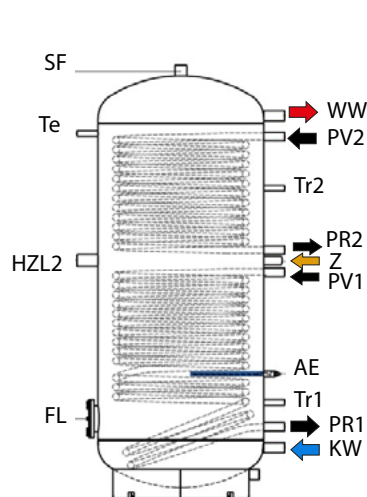
TECHNICAL DATA	U.M.	ISSWW 200	ISSWW 300	ISSWW 400	ISSWW 500
Dimensional values : A	mm	650	705	755	785X800
Dimensional values : B	mm	668	725	775	825
Dimensional values : C	mm	1335	1565	1755	1821
Dimensional values : D	mm	157	154	154	168
Dimensional values : E	mm	268	336	357	371
Dimensional values : F	mm	398	466	510	486
Dimensional values : G	mm	558	752	807	821
Dimensional values : H	mm	628	842	927	921
Dimensional values : I	mm	698	914	1037	998
Dimensional values : L	mm	698	913	1007	1016
Dimensional values : M	mm	848	984	1124	1113
Dimensional values : N	mm	978	1100	1247	1223
Dimensional values : O	mm	1108	1260	1409	1388
Dimensional values : P	mm	1202	1414	1611	1658
Tilt height	mm	1442	1675	1868	1950



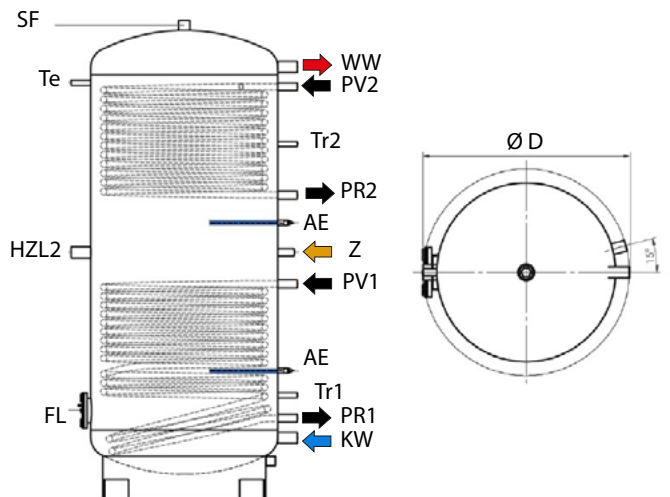
ISSWW 200÷500



ISSWW 800÷1000 L



ISSWW 1500÷2000 L



DIMENSIONS

2 COILS	KW	WW	PR1	PV1	PR2	PV2	Z	Tr1	Tr2	HZL2	Te	Ø D	H
ISSWW 800 L	238	1814	336	941	1266	1716	1106	452	1470	1106	1730	950	2090
ISSWW 1000 L	244	1819	342	1077	1182	1722	1132	458	1476	1132	1736	990	2090
ISSWW 1500 L	310	2190	410	1090	1540	2090	1250	526	1800	1300	2110	1150	2475
ISSWW 2000 L	325	2205	425	1205	1555	2105	1335	541	1815	1335	2125	1300	2524

KEY

KW	Domestic cold water	Z	Recirculation fitting
WW	Domestic hot water	Tr1	Lower dry-well Ø 1/2"
PV1	Lower coil inlet	Tr2	Upper dry-well 1/2"
PR1	Lower coil outlet	HZL2	Immersion heater
PV2	Upper coil inlet	Te	Thermometer
PR2	Upper coil outlet	SF	Air vent



Free Standing 1 Double Wind

SERIES ISSWP 200÷1000

HIGH PERFORMANCE COIL



Double wound cylinders are equipped with double winding coil, it means high thermic exchange for the best performance with low flow resistance.

Designed for easy and large domestic hot water using heat pumps, can also be connected to central heating and provided with further systems integration. Indicated for all types of users.

- Storage tank of steel, glass-lined with "Blue Glass 4753" flow-coating method at 850°C WRAS (BS6920-1) and KTW-BWGL approved according to UBA specifications (German Environmental Agency)
- Frontal inspection hatch Ø180 mm
- **HIGH Performance** coil with lowered loops to optimize the heat exchange and reduce the limescale production, perfect for technical sanitary water circulation produced by a heat pump
- 1 Corrosion-proof magnesium anode for SERIES 200 lt
- 2 Corrosion-proof magnesium anode for SERIES 300÷600
- Elettronic anode for SERIES 800-1000
- **Lower pressure loss** with consequent savings in system of circulation of the heating fluid
- Suitable housing for sensors (Tr)
- High density very thick polyurethane (PU) hard foam for the utmost energy efficiency (Lambda 0,022 W/mK) for SERIES 200÷600
- High density very thick polyurethane (PU) soft foam for the utmost energy efficiency for SERIES 800-1000
- Electric integration kits available with single and three-phase connection heating element
- **Perfect for heat pumps**

WARRANTY:

- **5 YEARS ON THE TANK**
- **2 YEARS ON THE OTHER COMPONENTS**



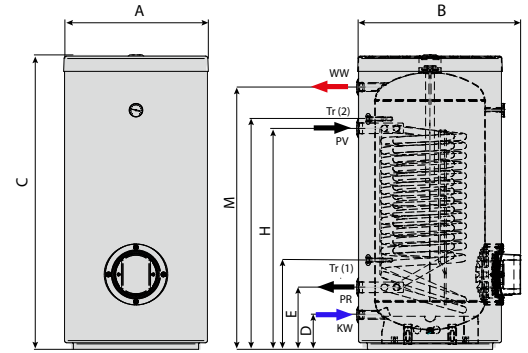
ACCESSORIES PP. 88

TECHNICAL DATA	U.M.	ISSWP 200	ISSWP 300	ISSWP 400	ISSWP 500	ISSWP 600	ISSWP 800 L	ISSWP 1000 L
Capacity	l	208	286	383	475	572	804	905
Code	/	FU000087	172484	172485	172486	172487	FU000042	FU000043
Heat exchange surface	m ²	2,7	3,1	4,9	5,75	6,35	7,7	8,5
Heat exchange surface (ΔT 35°C)*	kW	35,2	42,0	58,8	72,0	76,2	98,0	119,0
D.H.W. production heat exchanger (ΔT 35°C)*	l/h	866	1032	1297	1769	1873	2408	2924
Heating time using exchanger (ΔT 35°C)*	min.	see technical data sheet on next page					21	20
Insulation thickness	mm	≥75	≥75	≥75	≥75	≥50	≥100	≥100
Thermal insulation	-	Very thick PU insulation layer					Polyester fiber insulation 100 mm + external black PVC	
Tank protection against corrosion	-	Blue Glass 4753" enamelling process certified WRAS BS 6320-1) and KTW-BWGL approved according to UBA specifications, magnesium anode					Enamelling process as per DIN 4753, magnesium anode	
ErP Energy Class		B	B	B	B	C	C	C
ErP Heat Loss Watt	W/h	58	65	73	77	110	127	142
Max. operating temperature	°C	95	95	95	95	95	95	95
Max. operating temperature ^{1/2}	MPa	0,6/1,2	0,6/1,2	0,6/1,2	0,6/1,2	0,6/1,2	0,6/1,2	0,6/1,2
Net weight	kg	91	138	171	201	253	305	360
Ø Frontal inspection hatch (FL)	mm	180	180	180	180	180	180	180
Hydraulic connections (KW-WW)	mm	1"	1" Rp	1" Rp	1" Rp	1" Rp	1" ½ IG	1" ½ IG
Exchanger fittings (PV-PR)	mm	1"¾	1"¾ Rp	1"¾ Rp	1"¾ Rp	1"¾ Rp	1" ½ IG	1" ½ IG
Recirculation fitting (Z)	Rp	nd	¾" / Rp	¾" / Rp	¾" / Rp	¾" / Rp	1" IG	1" IG
Heating element connection (HZL2)	Rp	nd	1" ½ Rp	1" ½ Rp	1" ½ Rp	1" ½ Rp	1" ½ IG	1" ½ IG

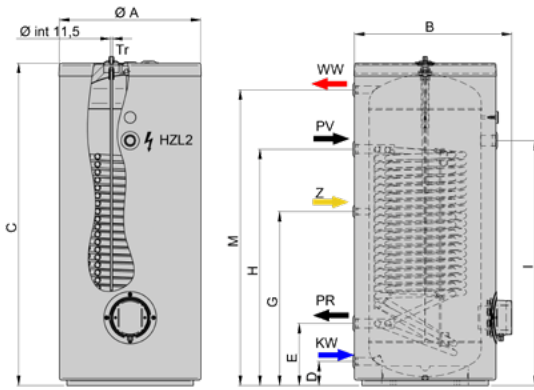
Note : ¹ Max. operating pressure, ² Max. pressure test according to EN 12897 P.4.4.1

TECHNICAL DATA	U.M.	ISSWP 200	ISSWP 300	ISSWP 400	ISSWP 500	ISSWP 600
Dimensional values : A	mm	650	710	755	780x805	780x805
Dimensional values : B	mm	745	725	775	825	825
Dimensional values : C	mm	1345	1565	1755	1821	1825
Dimensional values : D	mm	158	154	155	168	130
Dimensional values : E	mm	248	344	358	371	287
Dimensional values : G	mm	-	834	958	913	1182
Dimensional values : H	mm	1014	1044	1293	1366	1282
Dimensional values : I	mm	-	1094	1339	1412	1335
Dimensional values : M	mm	1204	1415	1586	1658	1665
Dimensional values : Tr (1)	mm	410	-	-	-	-
Dimensional values : Tr (2)	mm	1058	-	-	-	-
Tilt height	mm	1475	1675	1868	1950	1955

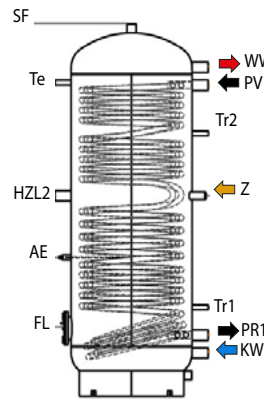
ISSWP 200



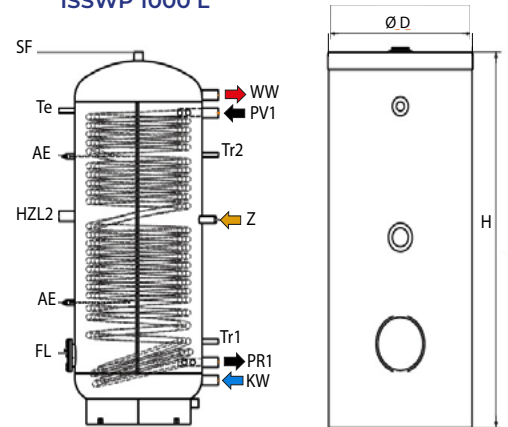
ISSWP 300÷600



ISSWP 800 L



ISSWP 1000 L



PERFORMANCE DATA

Continuous D.H.W. production calculated with the following temperature ¹

Value as per DIN 4708 (NL data) ²

D.H.W. production in 60 min ³

Coil	50 °C		60 °C		NL	Max Performance 10 min		D.H.W. Performance after 30 min		Inlet temperature 55 °C
	[kW]	[l/h]	[kW]	[l/h]		[l]	[l/min]	[l]	[l/min]	
200	10,9	268	31,2	766	3,3	243	24,3	122	21,2	587
300	14,7	361	42,0	1032	4,2	273	27,3	155	23,3	724
400	18,5	454	58,8	1297	6,0	326	32,6	221	27,0	935
500	25,2	619	72,0	1769	9,1	393	39,3	335	31,7	1183
600	26,7	655	76,2	1873	10,6	437	43,7	388	34,9	1332

1 - Cold water heated from 10° up to 45° C

2 - Cold water heated from 10° up to 45° C; Inlet at 70°C; Cylinder temperature CW+50K

3 - Datas calculated on max. Performance; Cold water from 10° up to 45; cylinder temperature at 60°C

DIMENSIONS

1 COIL	KW	WW	PR1	PV1	Z	Tr1	Tr2	HZL2	Te	Ø D	H
ISSWP 800 L	237	1815	336	1716	1106	1106	1450	1106	1730	950	2090
ISSWP 1000 L	243	1820	342	1722	1132	1132	1490	1152	1736	990	2090

KEY

KW	Domestic cold water	Z	Recirculation fitting
WW	Domestic hot water	Tr1	Lower dry-well Ø ½"
PV1	Lower coil inlet	Tr2	Upper dry-well ½"
PR1	Lower coil outlet	HZL2	Immersion heater
PV2	Upper coil inlet	Te	Thermometer
PR2	Upper coil outlet	SF	Air vent





Free Standing 2 Double Wind

SERIES ISSWWP 400÷1000

ErP Energy Class

Up to **B**

HIGH PERFORMANCE COIL

Double wound cylinders are equipped with double winding coil, it means high thermic exchange for the best performance with low flow resistance. Designed for easy and large domestic hot water using heat pumps, can also be connected to central heating and provided with further systems integration. Indicated for all types of users.

- Storage tank of steel, glass-lined with "Blue Glass 4753" flow-coating method at 850°C WRAS (BS6920-1) and KTW-BWGL approved according to UBA specifications (German Environmental Agency)
- Frontal inspection hatch Ø180 mm
- **HIGH Performance** coil with lowered loops to optimize the heat exchange and reduce the limescale production, perfect for technical sanitary water circulation produced by a heat pump
- 2 Corrosion-proof magnesium anode for SERIES 400-500
- Electronic anode for SERIES 800-1000
- Suitable housing for sensors (Tr)
- High density very thick polyurethane (PU) hard foam for the utmost energy efficiency (Lambda 0,022 W/mK) for SERIES 400-500
- High density very thick polyurethane (PU) soft foam for the utmost energy efficiency for SERIES 800-1000
- Integration kits available with single and three-phase connection heating element
- **Perfect for heat pumps**
- **Lower pressure loss** with consequent savings in system of circulation of the heating fluid

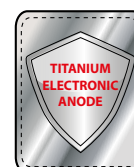
WARRANTY:

- 5 YEARS ON THE TANK
- 2 YEARS ON THE OTHER COMPONENTS



ACCESSORIES PP. 88

TECHNICAL DATA	U.M.	ISSWWP 400	ISSWWP 500	ISSWWP 800 L	ISSWWP 1000 L
Capacity	l	390	480	804	905
Code	/	172488	172489	FU000044	FU000045
Heat exchange surface top	m ²	3,3	3,8	6,5	6,5
Heat exchange surface bot	m ²	1,5	1,4	2,4	2,9
Insulation thickness	mm	≥75	≥75	≥100	≥100
Thermal insulation		Very thick PU insulation layer		Polyester fiber insulation 100 mm + external black PVC	
Tank protection against corrosion		Blue Glass 4753" enamelling process certified WRAS BS 6320-1) and KTW-BWGL approved according to UBA specifications, magnesium anode		Enamelling process as per DIN 4753, magnesium anode	
ErP Energy Class	ErP	B	B	C	C
ErP Heat Loss Watt	W/h	73	77	127	142
Max. operating temperature	°C	95	95	95	95
Max. operating temperature ^{1/2}	MPa	0,6/1,2	0,6/1,2	0,6/1,2	0,6/1,2
Net weight	kg		171	317	340
Ø Frontal inspection hatch (FL)	mm	180	180	180	180
Hydraulic connections (KW-WW)	mm	1"	1" Rp	1" ½ IG	1" ½ IG
Exchanger fittings (PV-PR)	mm	1" ¼	1" ¼ Rp	1" ½ IG	1" ½ IG
Recirculation fitting (Z)	Rp	¾" / Rp	¾" / Rp	1"	1"
Heating element connection (HZL2)	mm	1" ½	1" ½	1" ½ IG	1" ½ IG
Dimensional values : A	mm	755	785X800		
Dimensional values : B	mm	768	825		
Dimensional values : C	mm	1755	1821		
Dimensional values : D	mm	155	169		
Dimensional values : E	mm	358	358		
Dimensional values : F	mm	-	-		
Dimensional values : G	mm	685	658		

Note : ¹ Max. operating pressure, ² Max. pressure test according to EN 12897 P.4.4.1

TECHNICAL DATA	U.M.	ISSWWP 400	ISSWWP 500
Dimensional values : H	mm	785	758
Dimensional values : l	mm	853	810
Dimensional values : L	mm	-	-
Dimensional values : M	mm	928	873
Dimensional values : N	mm	1418	1465
Quote dimensionali : O	mm	-	-
Dimensional values : P	mm	1611	1658
Tilt height	mm	1870	1950

PERFORMANCE DATA

Upper coil	Continuous D.H.W. production calculated with the following temperature ¹				NL	Value as per DIN 4708 (NL data) ²				D.H.W. production in 60 min ³	
	50 °C		60 °C			Max Perfomance 10 min		D.H.W. Performance after 30 min			Inlet temperature 55 °C
	[kW]	[l/h]	[kW]	[l/h]		[l]	[l/min]	[l]	[l/min]		
400	11,3	278	32	795	1,5	180	18,0	54	17,2	430	
500	13,9	340	40	972	3,3	225	22,6	121	19,5	557	
800 L	-	-	25	619	-	-	-	-	-	-	
1000 L	-	-	34	826	-	-	-	-	-	-	

Lower coil	Continuous D.H.W. production calculated with the following temperature ¹						NL	Value as per DIN 4708 (NL data) ²				D.H.W. production in 60 min ³	
	50 °C		60 °C		70 °C			Max Performance 10 min		D.H.W. Performance after 30 min			Inlet temperature 70 °C
	[kW]	[l/h]	[kW]	[l/h]	[kW]	[l/h]		[l]	[l/min]	[l]	[l/min]		
400	5,5	134	15,6	383	27	670	4,2	252	25,2	153	21,3	1210	
500	6,3	155	18,0	442	31	774	4,8	291	29,1	177	24,6	1397	
800 L	-	-	34	826	53	1307	-	-	-	-	-	-	
1000 L	-	-	42	1032	67	1634	-	-	-	-	-	-	

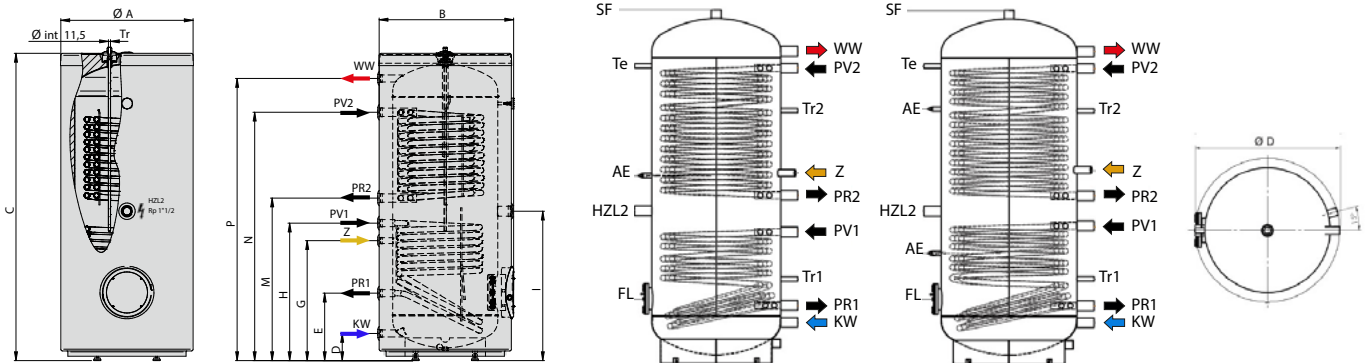
1 - Cold water heated from 10° up to 45° C

2 - Cold water heated from 10° up to 45° C; Inlet at 70°C; Cylinder temperature CW+50K

3 - Datas calculated on max. Performance; Cold water from 10° up to 45; cylinder temperature at 60°C

ISSWWP 400-500

ISSWWP 800-1000 L



DIMENSIONS

2 COILS	KW	WW	PR1	PV1	PR2	PV2	Z	Tr1	Tr2	HZL2	Te	Ø D	H
ISSWWP 800 L	237	1815	336	763	976	1716	1106	1106	1470	886	1730	950	2090
ISSWWP 1000 L	243	1820	342	807	982	1722	1132	1132	1476	892	1736	990	2090

KEY

KW	Domestic cold water	Z	Recirculation fitting
WW	Domestic hot water	Tr1	Lower dry-well Ø ½"
PV1	Lower coil inlet	Tr2	Upper dry-well ½"
PR1	Lower coil outlet	HZL2	Immersion heater
PV2	Upper coil inlet	Te	Thermometer
PR2	Upper coil outlet	FL	Inspection hatch Ø 180 mm





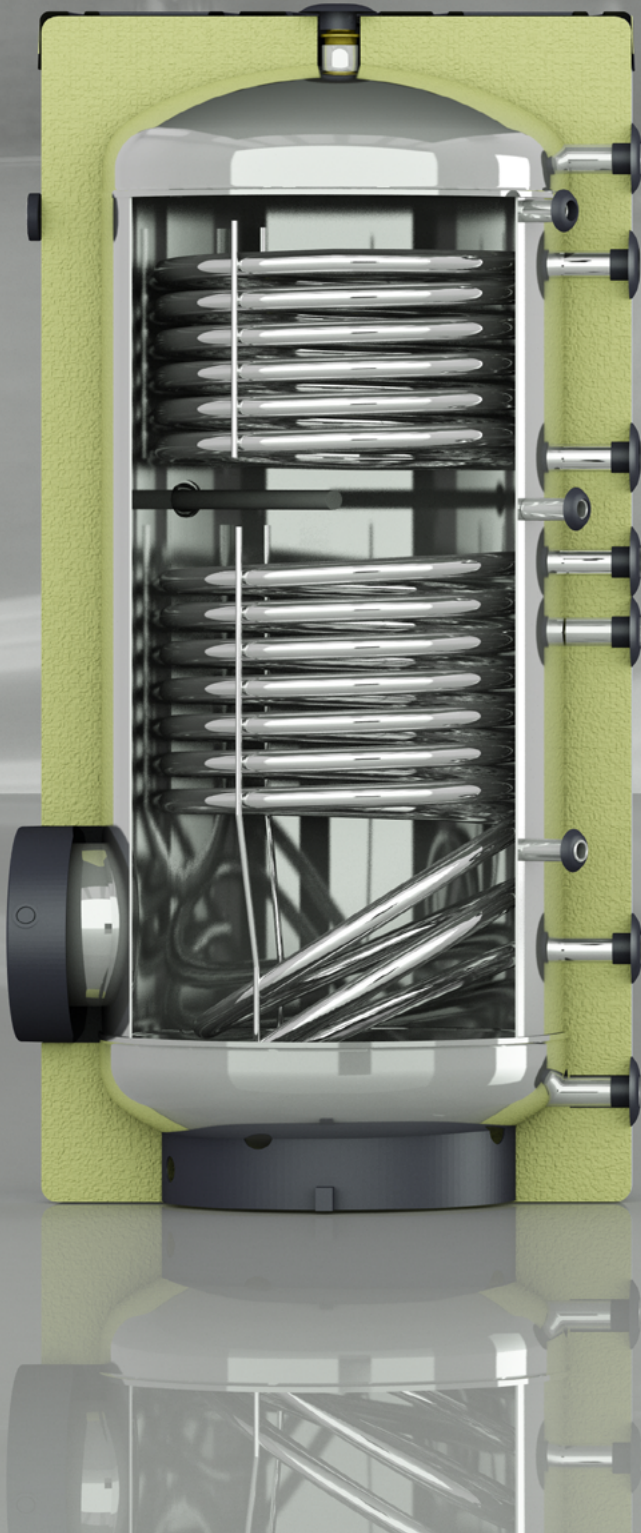
STYLEBOILER

STAINLESS STEEL INDIRECT CYLINDERS

STAINLESS STEEL INDIRECT CYLINDERS

The STRENGTHS of the product range in detail

The range of stainless steel indirect cylinders is available with one or two fixed coils with large heat exchange surfaces. Provide an easy and large supply of hot water for each type of service. They can be connected to systems of heating, centralized heating or for use in solar heating systems with forced circulation allowing high yields of heat transfer. The range of volumes starts from 120 to 500 liters with potential exchange of the coils from 20 kW to over 90 kW of power. The use of stainless steel AISI 316L (EN 1.4404) ensure excellent corrosion protection and durability for long life, in addition to top performances.



Technology

The production of all stainless steel tanks is performed using the most modern and reliable technologies available as :

- Automated TIG welding systems
- Automated Plasma welding systems
- Automated MAG welding systems

Protection lasts over time

The AISI 316L Stainless Steel (EN 1.4404) leads to products of excellent quality with a highly effective tank protection against corrosion. Our tanks are pickled and passivated to keep their corrosion resistance even where mechanical damage occurs, such as scratching or machining.

Electronic anode

Available as an option for all products of the range, this equipment guarantees maximum electrochemical protection of the tank. No substitution needed because it is not subjected to wear and tear.

Thermal insulation

Insulation layer made of very thick high-density polyurethane (PU) foam that guarantees excellent insulation.

Safety

The products are insulated using polyurethane foam which has been certified with a fire resistance class B2 according to DIN 4102 (self-extinguishing).

Environmentally friendly

We strive to optimize our industrial activity while respecting the environment. To minimize the environmental impact of its products, it has abolished the use of chlorofluorocarbon (CFC-HCFC) in the insulation layer and makes continuous efforts to use recyclable components.





Free Standing 1 Coil



ErP Energy Class

B



SERIES ISSWXA 120÷500



Stainless steel coil storage indirect cylinders are made using technology that guarantee maximum quality and durability owing to the use of special materials and sophisticated technological advances such as "TIG" and "Plasma" welding. Recommended for industrial and collective use.

- AISI 316L stainless steel tank pickled and passivated, welded with TIG and Plasma technology
- AISI 316L High capacity smooth wall stainless steel coil
- Frontal inspection hatch (100x150 mm)
- Lowered coil to optimize the heat exchange process and limit the formation of limescale
- External soft plastic coating (PVC) gray Pantone 403C
- Recirculation fitting
- CFC and HCFC-free very thick polyurethane (PU) foam insulation layer ($\lambda = 0,022 \text{ W/mK}$)
- Adjustable feet for floor standing
- 1" ½ connection for heating element

WARRANTY:

- 5 YEARS ON THE TANK
- 2 YEARS ON THE OTHER COMPONENTS

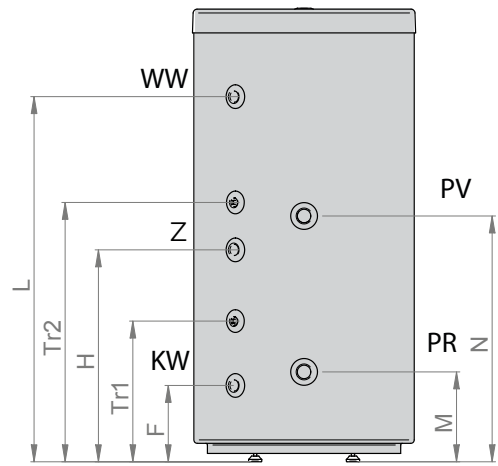
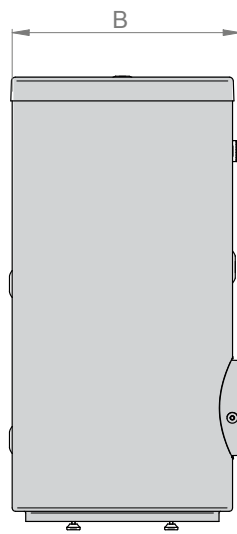
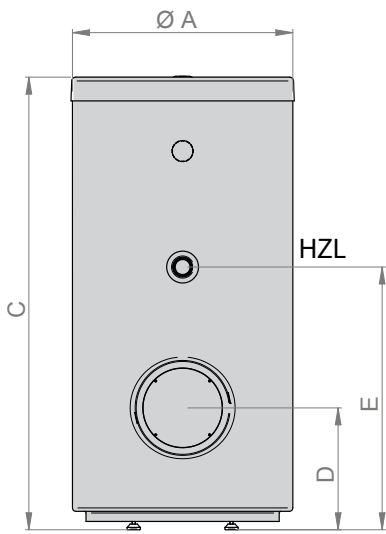
ACCESSORIES PP. 88



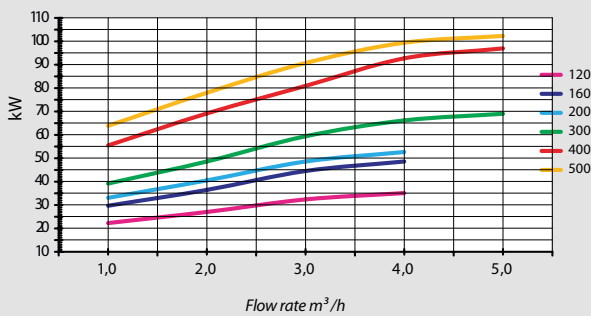
TECHNICAL DATA	U.M.	ISSWXA 120	ISSWXA 160	ISSWXA 200	ISSWXA 300	ISSWXA 400	ISSWXA 500
Capacity	l	115	149	202	298	406	489
Code	/	172261	172262	172263	172264	172265	172266
Heat exchange surface	m ²	0,6	1,1	1,3	1,5	1,7	2,1
Power ($\Delta T35k$)*	kW	27	36	41	65	81	91
D.H.W. production ($\Delta T35k$)*	l/h	663	896	1007	1597	1990	2236
Heating time ($\Delta T35k$)*	min.	11	11	12	11	12	13
Flow resistance	mbar	115	117	140	178	183	235
Primary flow rate	m ³ /h	2,0	2,0	2,0	2,0	2,0	2,0
Insulation thickness	mm	≥50	≥50	≥75	≥75	≥75	≥75
ErP Energy Class		B	B	B	B	B	B
ErP Heat Loss Watt	W/h	49	53	59	67	75	81
Max. operating temperature	°C	95	95	95	95	95	95
Max. operating pressure ^{1/2}	MPa	1,0/2,0	1,0/2,0	1,0/2,0	1,0/2,0	1,0/2,0	1,0/2,0
Net weight	kg	33	45	48	69	107	124
Hydraulic connections (KW-WW)	Rp	¾"	¾"	¾"	1"	1"	1"
Exchanger fittings (PV-PR)	Rp	1"	1"	1"	1"	1"	1"
Recirculation fitting (Z)	Rp	¾"	¾"	¾"	1"	1"	1"
Ø sensor	mm	6,5	6,5	6,5	6,5	6,5	6,5
Dimensional values : A/B/C	mm	550/571/924	550/571/1174	650/670/1335	705/725/1510	785/825/1518	785/825/1782
Dimensional values : D/E/F	mm	338/558/203	338/778/203	360/775/225	377/914/239	402/881/266	402/1021/266
Dimensional values : Tr1/H/Tr2	mm	345/462/764	415/591/731	415/625/765	475/814/954	475/766/906	556/891/1031
Dimensional values : L/M/N	mm	728/261/511	728/261/721	1077/265/725	1294/279/859	1251/361/811	1516/361/946
Tilt height	mm	1075	1300	1442	1675	1700	1930

Notes: * Primary circuit temperature 80° / Secondary circuit temperature 10-45°C / Primary flow rate indicated in the table - D.H.W. = domestic hot water

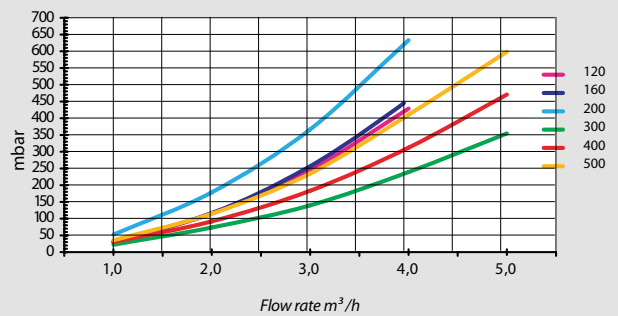
Notes: ¹ Max. operating pressure, ² Max. pressure test according to EN 12897 P.4.4.1



Power kW



Flow resistance mbar





Free Standing 2 Coils



ErP Energy Class

B



SERIES ISSWWXA 200÷500



Stainless steel coil storage indirect cylinders are made using technology that guarantee maximum quality and durability owing to the use of special materials and sophisticated technological advances such as "TIG" and "Plasma" welding. Recommended for industrial and collective use.

- AISI 316L stainless steel tank pickled and passivated, welded with TIG and Plasma technology
- AISI 316L High capacity smooth wall stainless steel coil
- Frontal inspection hatch (100x150 mm)
- Lowered coil to optimize the heat exchange process and limit the formation of limescale
- External soft plastic coating (PVC) gray Pantone 403C
- Recirculation fitting
- CFC and HCFC-free very thick polyurethane (PU) foam insulation layer ($\lambda = 0,022 \text{ W/mK}$)
- Adjustable feet for floor standing
- 1" $\frac{1}{2}$ connection for heating element

WARRANTY:

- 5 YEARS ON THE TANK
- 2 YEARS ON THE OTHER COMPONENTS



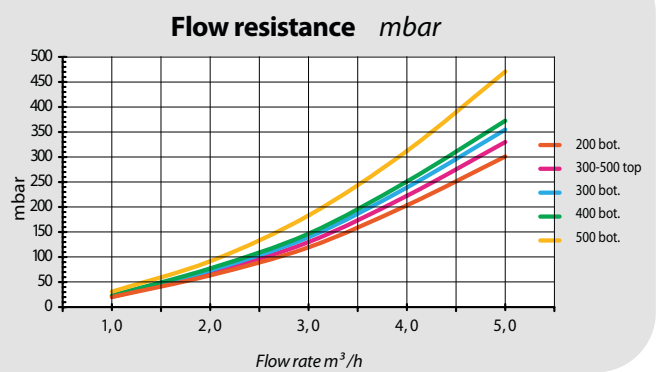
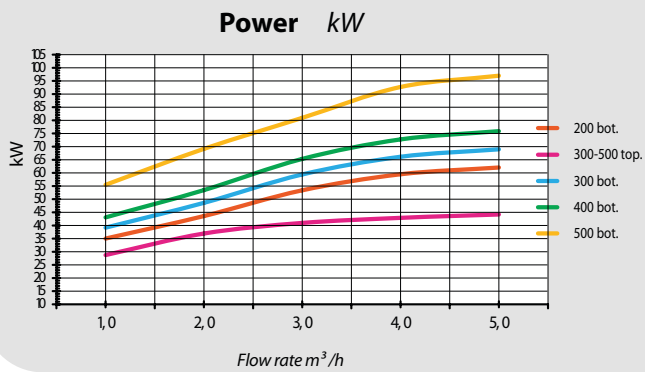
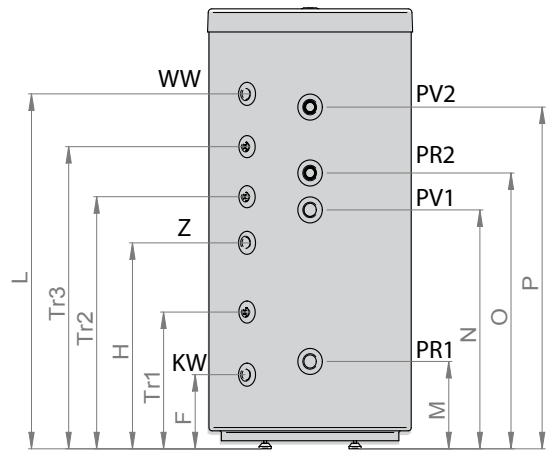
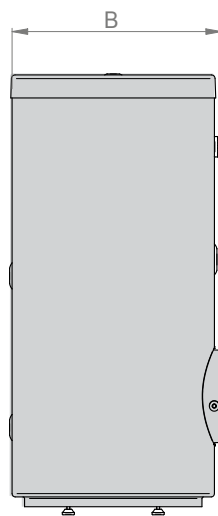
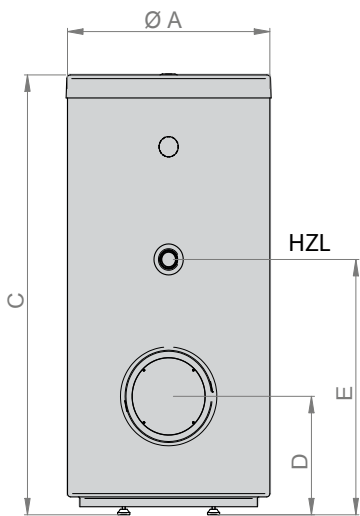
ACCESSORIES PP. 88

TECHNICAL DATA	U.M.	ISSWWXA 200	ISSWWXA 300	ISSWWXA 400	ISSWWXA 500
Capacity	l	198	293	400	482
Code	/	172267	172268	172269	172270
Heat exchange surface bot./top	m ²	1,3/0,5	1,5/0,7	1,7/0,7	2,1/1,0
Power ($\Delta T35k$)* bot./top	kW	41/25	65/32	81/32	91/36
D.H.W. production ($\Delta T35k$)* bot./top	l/h	1007/614	1597/786	1990/786	2236/884
Heating time ($\Delta T35k$)* bot./top	min.	12/8"	11/9"	12/12"	13/14"
Flow resistance bot./top	mbar	140/110	178/130	183/130	235/117
Primary flow rate	m ³ /h	2,0	3,0	3,0	3,0
Insulation thickness	mm	≥75	≥75	≥75	≥75
ErP Energy Class		B	B	B	B
ErP Heat Loss Watt	W/h	59	67	75	81
Max. operating temperature	°C	95	95	95	95
Max. operating pressure ^{1/2}	MPa	1,0/2,0	1,0/2,0	1,0/2,0	1,0/2,0
Net weight	kg	54,5	77,0	115,3	136,0
Hydraulic connections (KW-WW)	Rp	¾"	1"	1"	1"
Exchanger fittings (PV-PR)	Rp	1"	1"	1"	1"
Recirculation fitting (Z)	Rp	¾"	1"	1"	1"
Ø sensor	mm	6,5	6,5	6,5	6,5
Dimensional values : A/B/C	mm	650/670/1335	705/725/1510	785/825/1518	785/825/1782
Dimensional values : D/E/F/Tr1	mm	360/775/225/415	377/914/239/475	402/881/266/511	402/1021/266/556
Dimensional values : H/Tr2/Tr3	mm	625/765/934	814/954/1089	766/921/1051	891/1091/1226
Dimensional values : L/M/N	mm	1077/265/725	1294/279/859	1251/361/811	1516/361/946
Dimensional values : O/P/Tilt height	mm	837/1037/1442	989/1189/1675	971/1131/1700	1106/1346/1930

Notes: * Primary circuit temperature 80°C / Secondary circuit temperature 10/45°C / Primary flow rate indicated in the table / D.H.W. = Domestic hot water

Notes: ** Using only the top exchanger volume that is affected will be equal to 40% of the total accumulation


Notes: ¹ Max. operating pressure, ² Max. pressure test according to EN 12897 P.4.4.1





STYLEBOILER





Water is **life**, don't waste it. If there is magic on this planet, it is contained in water. We do everything we can to maximize its usability in heating systems, our **buffer** range is characterized by a high capacity to **store energy** from multiple heat sources.



STYLEBOILER

BUFFER CYLINDERS

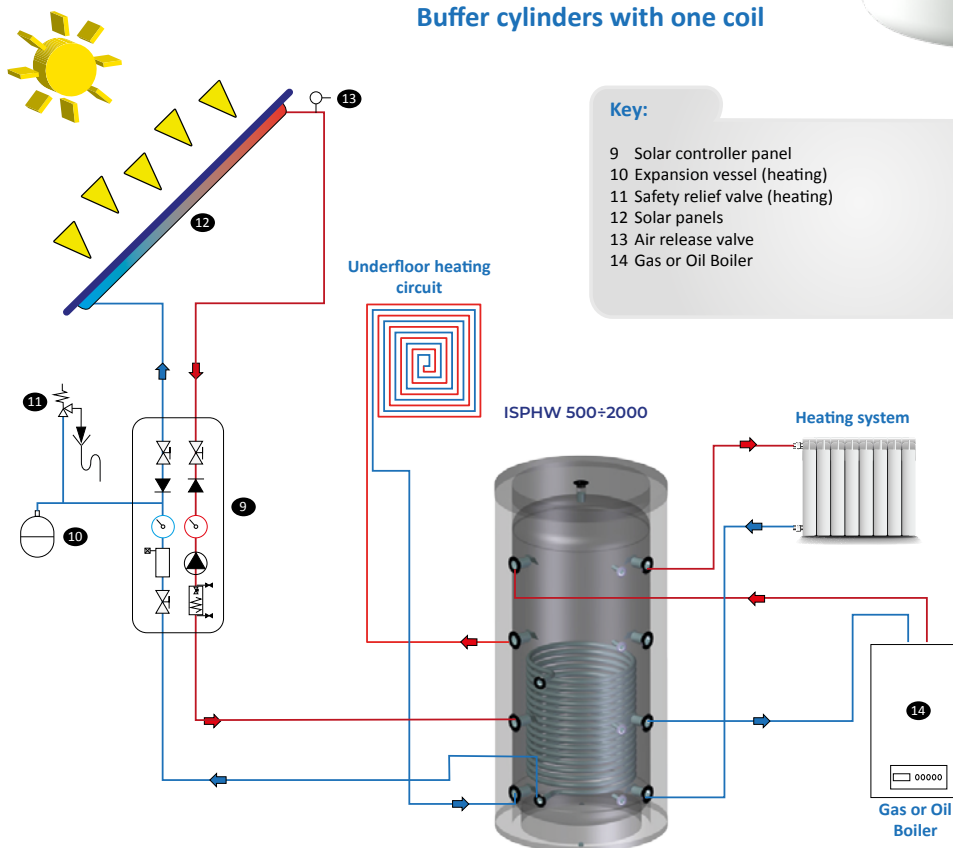
BUFFER CYLINDERS

The STRENGTHS of the product range in detail:

The range of buffer cylinders consists of storage tanks with the possibility to combine a fixed coil exchanger, too. They allow the storage of water for heating generated by discontinuous heating systems; therefore, they allow a considerable recovery and/or exploitation of thermal energy that would otherwise be unused or even wasted.

From this point of view, they integrate well into energy saving systems, and become the “thermal source” of the energy system within heating and domestic hot water generation systems.

Owing to their special features, they are usually connected to systems that generate heat in a discontinuous way, for example wood-fired boilers, pellet-burning stoves, heating fireplaces or installed in low water systems to limit the interventions of the burners. The version with fixed exchanger, can also be used for maximum exploitation of “thermal solar systems” or with “heat pump”. The capacities in this product line range from Buffer and solar cylinders with or without fixed coil. Available also Pipe in tank cylinders with domestic hot water production. All products are equipped with fittings for electrical connections through specific kits from 3,0 kW to 9,0 kW.



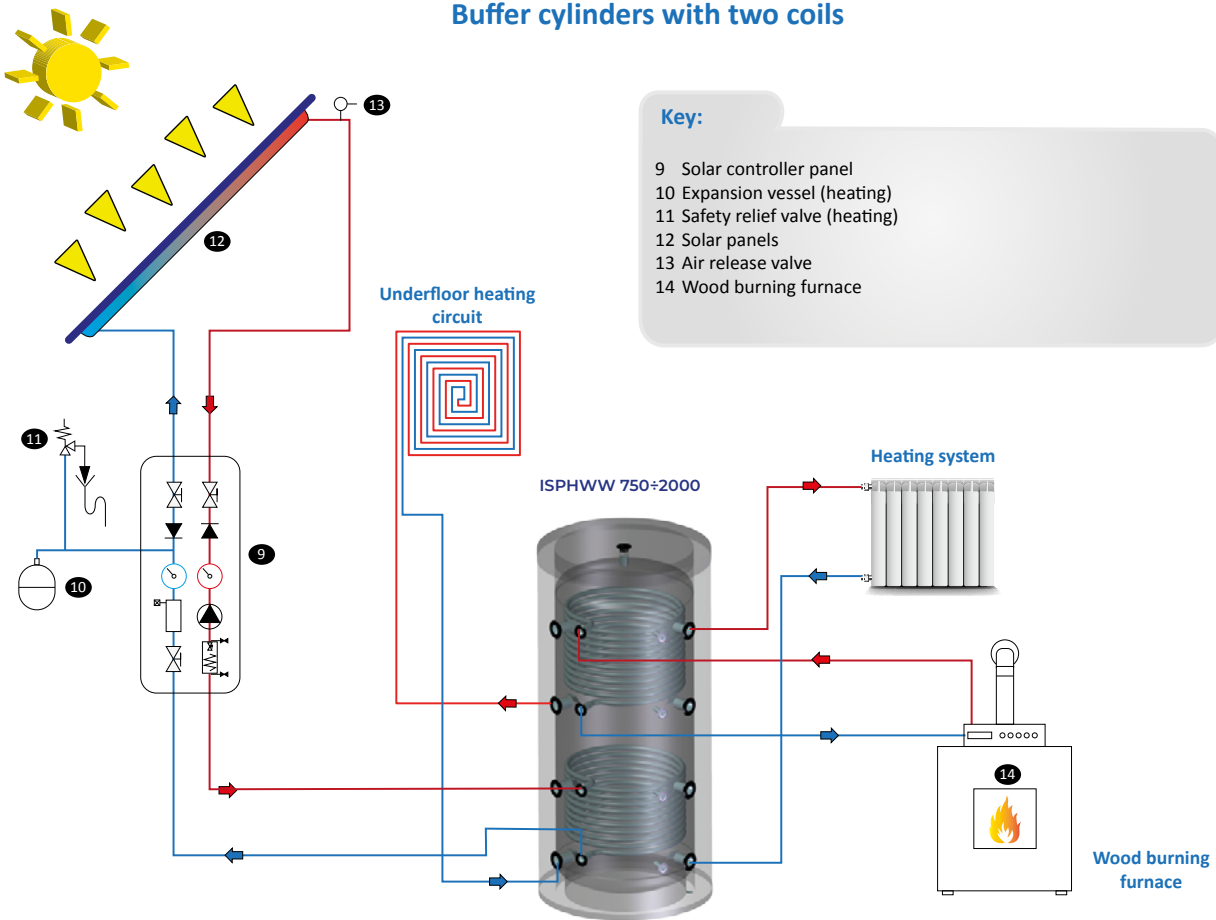
Thermal insulation

Insulation layer made of very thick high-density polyurethane (PU) foam that guarantees excellent insulation. Less heat loss means lower energy waste.

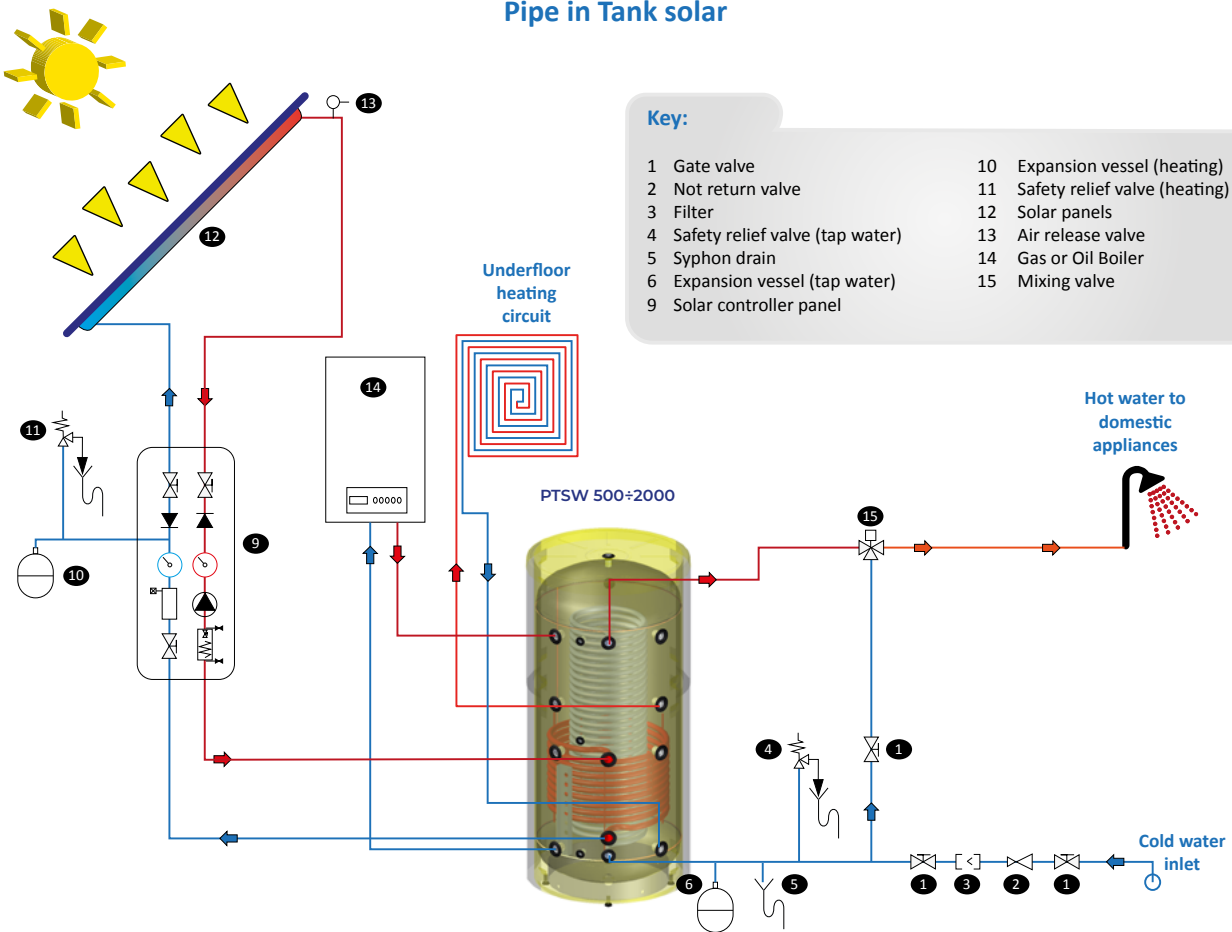
Environmentally friendly

We strive to optimize our industrial activity while respecting the environment. To minimize the environmental impact of its products, it has abolished the use of chlorofluorocarbon (CFC-HCFC) in the insulation layer and makes continuous efforts to use recyclable components.

Buffer cylinders with two coils



Pipe in Tank solar





Multifunction Thermal Flywheel

SERIES ISPHCV 35-60-80



HEATING AND COOLING

The ISPHCV buffers designed for heating and cooling systems, work both as hydraulic circuit breaker and buffer tanks. Thanks to these features, the flow rates of the two circuits remain independent and minimize the heat pump on/off switchings. The range has additional connections dedicated to supplementary sources.



- Row carbon steel tank
- Designed for wall installation
- External casing made of sheet metal coated with epoxy powder paint
- High thermal insulation with ecological polyurethane hard foam (PU)
- Storage temperature range from 10 to 95 ° C
- Energy efficiency class B
- Connection for 1" ½ electrical back-up heater
- 10 hydraulic connections for maximum flexibility of use

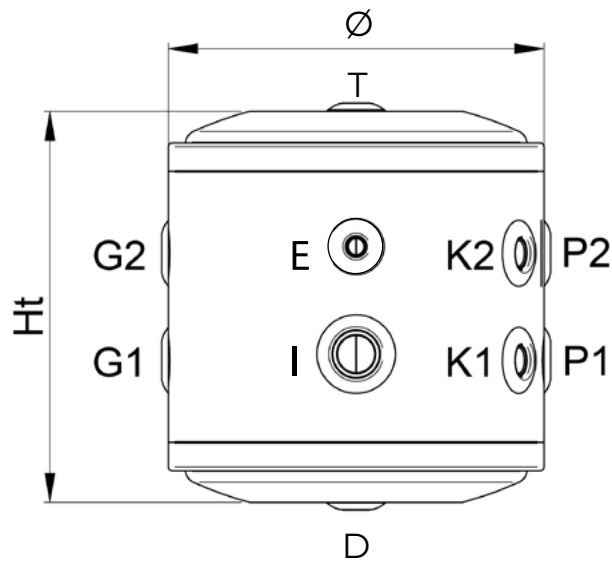
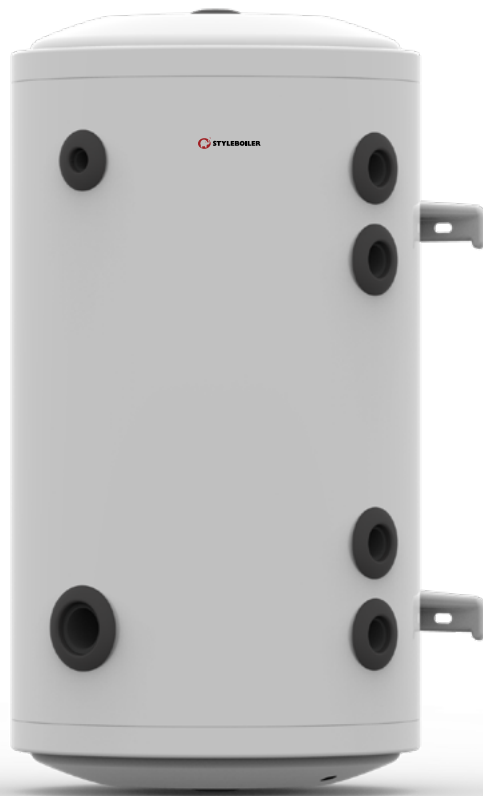
ErP Energy Class



WARRANTY:

- 2 YEARS ON THE TANK AND COMPONENTS

TECHNICAL DATA	U.M.	ISPHCV 35	ISPHCV 60	ISPHCV 80
Capacity	l	35	60	75
Code	/	172432	172433	172434
Insulation thickness	mm	≥ 50	≥ 50	≥ 50
Thermal insulation	-	Rigid polyurethane (PU) insulation layer		
ErP Energy Class		B	B	B
ErP Heat Loss Watt	W/h	36	40	45
Min. operating temperature	°C	-10	-10	-10
Max. operating temperature	°C	+95	+95	+95
Net weight	Kg	17	23	27
External Diameter (Ø)	mm	450	450	450
Height (Ht)	mm	468	699	850
Drain (D)	Rp	¾"	¾"	¾"
Sensor pocket/ thermometer connection (E)	Rp	½"	½"	½"
From Heating System (G1)	Rp	1"	1"	1"
To Heating System (G2)	Rp	1"	1"	1"
Immersion heater (I)	Rp	1"½	1"½	1"½
Auxiliary (K1)	Rp	1"	1"	1"
Auxiliary (K2)	Rp	1"	1"	1"
To energy source (P1)	Rp	1"	1"	1"
From energy source (P2)	Rp	1"	1"	1"
Air vent (T)	Rp	½"	½"	½"



	Ø	Ht	E	G1	G2	I	K1	K2	P1	P2
	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm
ISPHCV 35	450	468	308	175	298	171	171	298	171	298
ISPHCV 60	450	699	538	175	529	171	271	429	171	529
ISPHCV 80	450	850	689	175	680	171	271	580	171	680



Buffer Tank for Heat Pump Systems

SERIES ISPHV 80

HEATING AND COOLING



ErP Energy Class

B



This compact micro inertial buffer tank has a carbon steel construction with high quality hard thermal insulation and is designed to be wall mounted to save floor space in the property. The buffer tank balances out differences between energy generation and energy consumption. The buffer function reduces the heat pump on/off switching, it adds more volume in closed water systems which keeps the temperature in the system at a more consistent level.

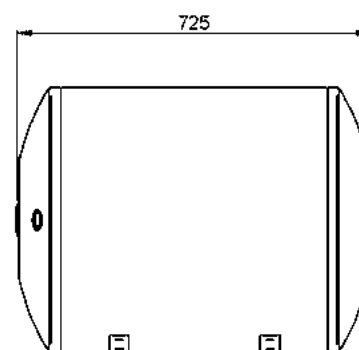
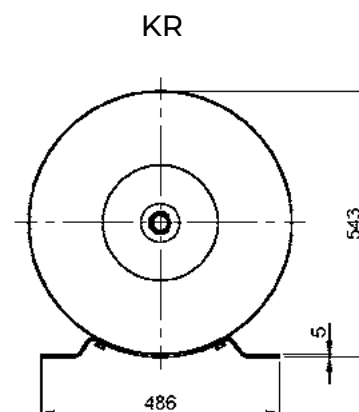
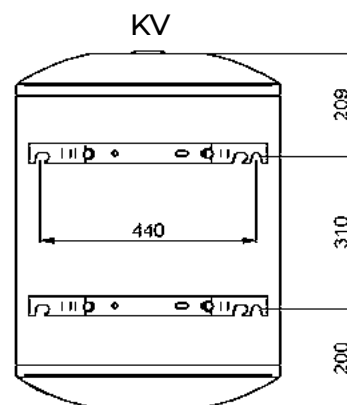


- Designed to be easily installed and hidden away
- Mild steel construction
- Reduces heat pump cycling & ensures correct flow rates
- External casing made of sheet metal coated with epoxy powder paint
- High thermal insulation with ecological polyurethane hard foam (PU)
- Two sturdy mounting brackets

WARRANTY:

• 2 YEARS ON THE TANK AND COMPONENTS

TECHNICAL DATA	U.M.	ISPHV 80
Capacity	l	84
Code	/	172427
Insulation thickness	mm	≥45
Thermal insulation	[-]	very thick PU
ErP Energy Class		B
ErP Heat Loss Watt	W/h	42
Max. operating temperature	°C	95
Max. operating pressure ^{1/2}	MPa	0,3/0,45
Net weight (dry)	Kg	21
Heat Loss	[kWh/24h]	0,90
Total height (incl. Insulation)	mm	725
Ø Diameter (incl. Insulation)	mm	540
Heating delivery (KV)	IG / mm	1"
Heating return/To Generator (KR)	IG / mm	1"



Notes : AG = Male fitting, IG = Female fitting

¹ Max. operating pressure.

² Max. pressure test according to EN 12897 P.4.4.1

We are dedicated to providing a **brighter,**
healthier future for generations to come





Warm-Chilled Buffer Cylinder



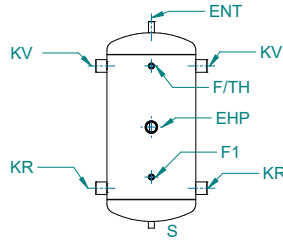
SERIES ISPHC 50÷500 L

HEATING AND COOLING

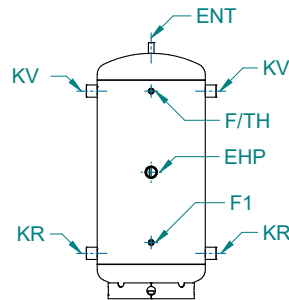
These buffers are used in refrigeration or heating systems with limited water content, to ensure a constant average temperature and to reduce the need of the compressor. Supplementary electric heating element (optional).



SERIES 50 - 100



SERIES 200 - 500



- Row carbon steel tank
- Ready to install probe holders (F1) with 1/2" threaded connection
- High density very thick polyurethane (PU) foam
- External soft plastic coloured coating (PVC white RAL 9010)
- 1" 1/2 connection for the installation of the heating element kit (EHP)

WARRANTY:

- **5 YEARS** ON THE TANK
- **2 YEARS** ON THE OTHER COMPONENTS



TECHNICAL DATA	U.M.	WALL-HUNG MODEL		WALL-HUNG MODEL			
		ISPHC 50 L	ISPHC 100 L	ISPHC 200 L	ISPHC 300 L	ISPHC 400 L	ISPHC 500 L
Total working capacity	l	50	107	205	290	405	490
Code	/	FU000004	FU000005	FU000006	FU000007	FU000008	FU000024
Insulation thickness	mm	≥25	≥50	≥50	≥50	≥50	≥50
Thermal insulation	[-]	Very thick PU foam insulation layer directly injected (λ=0,024 W/mK)					
ErP Energy Class		C	B	B	B	C	C
ErP Heat Loss Watt	W/h	45	41	61	68	78	92
Max. operating temperature	°C	95	95	95	95	95	95
Max. operating pressure ^{1/2}	MPa	0,3/0,45	0,3/0,45	0,3/0,45	0,3/0,45	0,3/0,45	0,3/0,45
Net weight	kg	15	27	47	55	65	70
Heating element (max. length)	mm	-	400	400	500	500	650
Heating element (max. power)	[kW]	-	3,0	3,0	4,5	4,5	4,5
Heat Loss	[kWh/24h]	1,08	0,98	1,46	1,60	1,80	2,20
Total height (incl. Insulation)	mm	830	951	1189	1352	1371	1631
Ø Diameter (incl. Insulation)	mm	345	500	600	650	750	750
Air Vent (ENT)	IG / mm	1" / 826	1/2" / 924	1/2" / 1184	1/2" / 1344	1/2" / 1370	1/2" / 1620
Heating delivery (KV)	IG / mm	1 1/4" / 740	1 1/2" / 740	1 1/2" / 960	1 1/2" / 1110	1 1/2" / 1121	1 1/2" / 1371
Sensor Thermometer connection (F/TH)	IG / mm	-	1/2" / 740	1/2" / 960	1/2" / 1110	1/2" / 1121	1/2" / 1371
Dry-well connection (F1)	IG / mm	-	1/2" / 560	1/2" / 715	1/2" / 810	1/2" / 821	1/2" / 971
Heating return / To Generator (KR)	IG / mm	1 1/4" / 90	1 1/2" / 190	1 1/2" / 210	1 1/2" / 210	1 1/2" / 221	1 1/2" / 221
Drain (S)	IG	1"	1"	-	-	-	-
Heating element connection (EHP)	IG / mm	-	1 1/2" / 465	1 1/2" / 585	1 1/2" / 660	1 1/2" / 671	1 1/2" / 796
Tilt height	mm	-	-	1332	1500	1563	1795

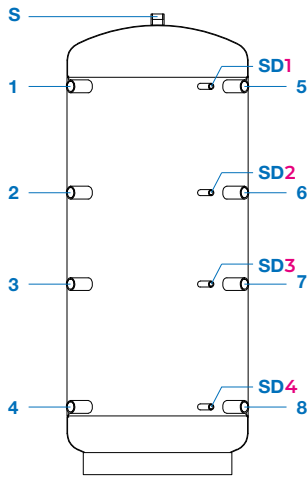
Notes : AG = Male fitting, IG = Female fitting - Notes: ¹ Max. operating pressure, ² Max. pressure test according to EN 12897 P,4.4.1

Buffer Cylinder

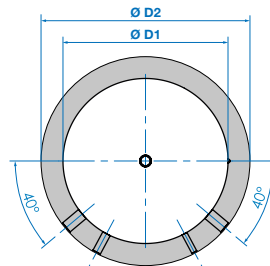
SERIES ISPH 800÷2000 L



Buffer cylinder main feature is the ability to combine multiple sources of heat both as an input or an output and the flexibility to heat the water at different times of day, up to 95 °C. Buffers are an easy way to make most renewable energy projects even more efficient, because they add necessary thermal mass to the system to dampen fast transitions and minimize boiler cycling that occurs during low domestic load conditions.




- Raw carbon steel tank painted with powder paint
- Polyester fiber insulation 100 mm + external soft plastic coating (PVC RAL 9010)
- Suitable housing for sensors (SD)
- Solar compatible
- 1" ½ connection for the installation of the heating element KIT (position 6 and 7)



WARRANTY:

- 5 YEARS ON THE TANK
- 2 YEARS ON THE OTHER COMPONENTS

TECHNICAL DATA	U.M.	AVAILABLE ON REQUEST			AVAILABLE ON REQUEST		AVAILABLE ON REQUEST
		ISPH 800 L	ISPH 1000 L	ISPH 1250 L	ISPH 1500 L	ISPH 2000 L	
Total working capacity	l	732	925	1284	1515	2054	
Code	/	FU000025	FU000015	FU000069	FU000070	FU000071	
Insulation thickness	mm	≥100	≥100	≥100	≥100	≥100	
Thermal insulation	[-]	Hard PU foam insulation shells (λ=0,024 W/mK)					
ErP Energy Class		C	C	C	C	C	
ErP Heat Loss Watt	W/h	117	144	157	170	204	
Max. operating temperature	°C	95	95	95	95	95	
Max. operating pressure ^{1/2}	MPa	0,3/0,45	0,3/0,45	0,3/0,45	0,3/0,45	0,3/0,45	
Net weight (dry)	kg	97	114	146	162	225	
Heat Loss	[kWh/24h]	2,80	3,45	3,50	3,88	5,40	
Total height (incl. Insulation D2)	mm	1760	2090	2060	2200	2420	
Ø Diameter (incl. Insulation D1)	mm	990	990	1150	1200	1300	
Ø Diameter (without Insulation)	mm	790	790	950	1000	1100	
Boiler Inlet connection (1)	IG / mm	1"½ / 1426	1"½ / 1720	1"½ / 1700	1"½ / 1750	1"½ / 2025	
Heating source Inlet connection (2)	IG / mm	1"½ / 1026	1"½ / 1249	1"½ / 1239	1"½ / 1285	1"½ / 1489	
Vacant (3)	IG / mm	1"½ / 626	1"½ / 844	1"½ / 784	1"½ / 900	1"½ / 959	
Heating element connection (4)	IG / mm	1"½ / 256	1"½ / 300	1"½ / 300	1"½ / 350	1"½ / 325	
Outlet heating system high temperature (5)	IG / mm	1"½ / 1426	1"½ / 1720	1"½ / 1700	1"½ / 1750	1"½ / 2025	
Outlet heating system low temperature (6)	IG / mm	1"½ / 1026	1"½ / 1249	1"½ / 1239	1"½ / 1285	1"½ / 1489	
Heating return / To generator (7)	IG / mm	1"½ / 626	1"½ / 844	1"½ / 784	1"½ / 900	1"½ / 959	
Heating return / To generator (8)	IG / mm	1"½ / 256	1"½ / 300	1"½ / 300	1"½ / 350	1"½ / 325	
Air Vent (S)	IG / mm	1"½ / 1686	1"½ / 2041	1"½ / 2017	1"½ / 2152	1"½ / 2377	
Dry-well connection (SD1)	IG / mm	½" / 1426	½" / 1720	½" / 1700	½" / 1750	½" / 2025	
Dry-well connection (SD2)	IG / mm	½" / 1026	½" / 1249	½" / 1239	½" / 1285	½" / 1489	
Dry-well connection (SD3)	IG / mm	½" / 626	½" / 844	½" / 784	½" / 900	½" / 959	
Dry-well connection (SD4)	IG / mm	½" / 256	½" / 300	½" / 300	½" / 350	½" / 325	
Tilt height	mm	1740	2090	2090	2215	2450	

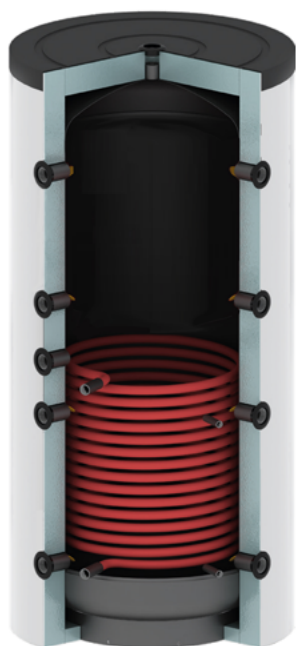
Notes : AG =Male fitting, IG = Female fitting - Notes : ¹ Max. operating pressure, ² Labor test pressure according to EN 12897 P.4.4.1



Buffer cylinder 1 Coil



SERIES ISPHW 500÷2000 L



Buffer cylinder main feature is the ability to combine multiple sources of heat both as an input or an output and the flexibility to heat the water at different times of day, up to 95 °C. Buffers are an easy way to make most renewable energy projects even more efficient, because they add necessary thermal mass to the system to dampen fast transitions and minimize boiler cycling that occurs during low domestic load conditions.

- Raw carbon steel tank externally painted with powder paint
- High thermal insulation with polyurethane hard foam (PU) on 500 lt model
- Polyester fiber insulation 100 mm + external soft plastic coating (PVC RAL 9010) for SERIES 750÷2000
- Compatible with solar heating system
- Ready to install probe holders with 1/2 " threaded connection with sensor-clip
- 1" 1/2 connection for the installation of specific heating element kits up to 9 kW (EHP)
- Fixed coil for integration with another heat source

WARRANTY:

- **5 YEARS ON THE TANK**
- **2 YEARS ON THE OTHER COMPONENTS**

	AVAILABLE ON REQUEST	AVAILABLE ON REQUEST	AVAILABLE ON REQUEST
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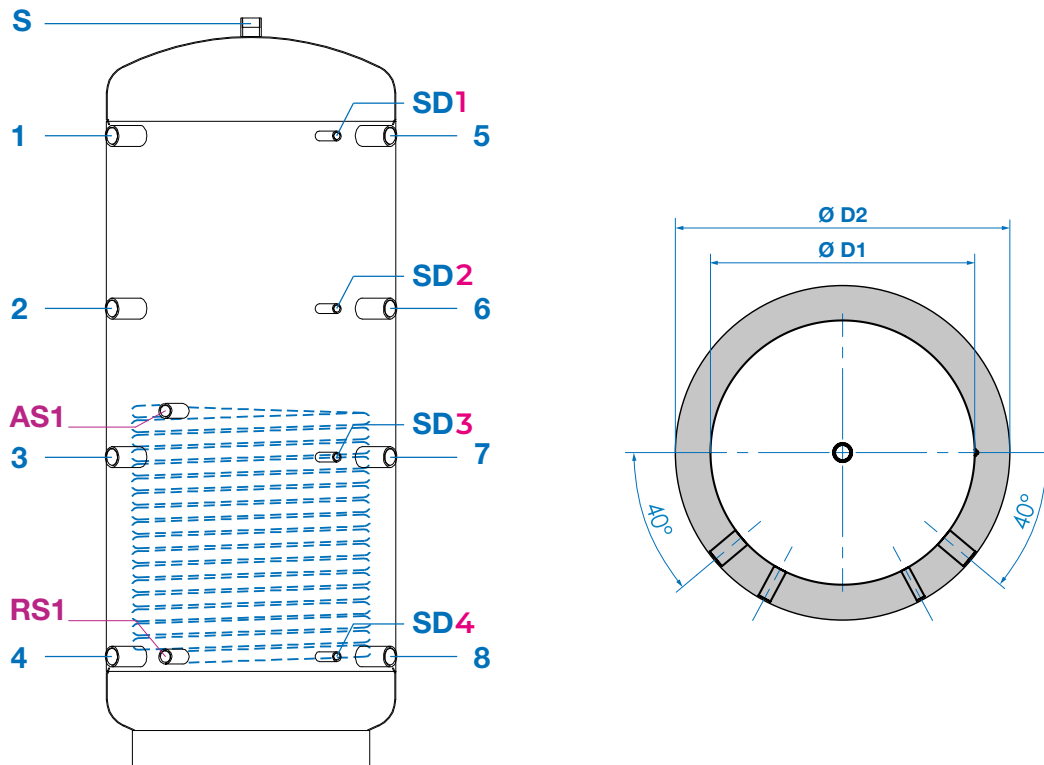
TECHNICAL DATA	U.M.	ISPHW 500 L	ISPHW 750 L	ISPHW 950 L	ISPHW 1250 L	ISPHW 1500 L	ISPHW 2000 L
Total working capacity	l	490	732	925	1284	1515	2054
Code	/	FU000016	FU000017	FU000018	FU000072	FU000073	FU000074
Power (ΔT 35°C)*	kW	50,0	67,0	84,0	84,0	101,0	118,0
Heating water production (ΔT 35°C)*	l/h	1238	1651	2064	2064	2477	2890
Heating Time (ΔT 35°C)*	min.	25	29	29	39	39	45
Primary flow rate	m ³ /h	2,0	2,0	2,0	2,0	2,0	2,0
Insulation thickness	mm	≥50	≥100	≥100	≥100	≥100	≥100
Thermal insulation	[-]	High thermal PU (λ=0,024 W/mK)		Polyester fiber insulation 100 mm+ PVC			
ErP Energy Class		C	C	C	C	C	D
ErP Heat Loss Watt	W/h	92	117	144	157	170	204
Max. operating temperature	°C	95	95	95	95	95	95
Max. solar coil operating temperature	°C	95	95	95	95	95	95
Max. operating pressure ^{1/2}	MPa	0,3/0,45	0,3/0,45	0,3/0,45	0,3/0,45	0,3/0,45	0,3/0,45
Max. operating pressure Solar coil ^{1/2}	MPa	1,0/1,5	1,0/1,5	1,0/1,5	1,0/1,5	1,0/1,5	1,0/1,5
Heating element (max. length)	mm	650	790	790	X	X	X
Net weight	kg	103	130	156	189	210	278
Heat Loss	[kWh/24h]	2,20	3,10	3,40	3,76	4,08	4,89
Total height (incl. Insulation)	mm	1630	1760	2090	2060	2200	2420
Total height (excl. Insulation)	mm	1621	1686	2041	2017	2152	2377
Ø Diameter (incl. Insulation)	mm	750	990	990	1150	1200	1300

Notes: * Primary circuit temperature 80°C / Secondary circuit temperature 10-45°C / Primary flow rate indicated in the table

Notes: ¹ Max. operating pressure, ² Max. pressure test according to EN 12897 P.4.4.1

TECHNICAL DATA	U.M.	AVAILABLE ON REQUEST					
		ISPHW 500 L	ISPHW 750 L	ISPHW 950 L	ISPHW 1250 L	ISPHW 1500 L	ISPHW 2000 L
Ø Diameter (without Insulation)	mm	750	790	790	950	1000	1000
Tilt height	mm	1794	1740	2090	2090	2215	2450
Boiler Inlet connection (1)	IG / mm	1"½ / 1381	1"½ / 1426	1"½ / 1720	1"½ / 1700	1"½ / 1750	1"½ / 2025
Inlet heating system (2)	IG / mm	1"½ / 971	1"½ / 1026	1"½ / 1249	1"½ / 1239	1"½ / 1285	1"½ / 1489
Vacant (3)	IG / mm	1"½ / 651	1"½ / 626	1"½ / 844	1"½ / 784	1"½ / 900	1"½ / 959
Outlet heating system (4)	IG / mm	1"½ / 211	1"½ / 256	1"½ / 300	1"½ / 300	1"½ / 350	1"½ / 325
Boiler Inlet connection high temp. (5)	IG / mm	1"½ / 1381	1"½ / 1426	1"½ / 1720	1"½ / 1700	1"½ / 1750	1"½ / 2025
Boiler Inlet connection low temp. (6)	IG / mm	1"½ / 971	1"½ / 1026	1"½ / 1249	1"½ / 1239	1"½ / 1285	1"½ / 1489
Heating return / To generator (7)	IG / mm	1"½ / 651	1"½ / 626	1"½ / 844	1"½ / 784	1"½ / 900	1"½ / 959
Heating return / To generator (8)	IG / mm	1"½ / 211	1"½ / 256	1"½ / 300	1"½ / 300	1"½ / 350	1"½ / 325
Air Vent (S)	IG / mm	1"½ / 1621	1"½ / 1686	1"½ / 2041	1"½ / 2017	1"½ / 2152	1"½ / 2377
Outlet solar coil (RS1)	IG / mm	1" / 211	1" / 256	1" / 300	1" / 300	1" / 350	1" / 325
Inlet solar coil (AS1)	IG / mm	1" / 721	1" / 801	1" / 970	1" / 970	1" / 1000	1" / 1000
Dry-well connection (SD1)	IG / mm	½" / 1381	½" / 1426	½" / 1249	1"½ / 1700	1"½ / 1750	1"½ / 2025
Dry-well connection (SD2)	IG / mm	½" / 971	½" / 1026	½" / 1410	1"½ / 1239	1"½ / 1285	1"½ / 1489
Dry-well connection (SD3)	IG / mm	½" / 651	½" / 626	½" / 844	1"½ / 784	1"½ / 900	1"½ / 959
Dry-well connection (SD4)	IG / mm	½" / 211	½" / 256	½" / 300	1"½ / 300	1"½ / 350	1"½ / 325

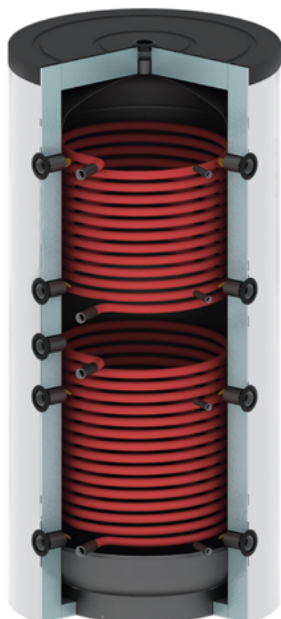
Notes : AG = Male fitting, IG = Female fitting





Buffer cylinder 2 Coils

SERIES ISPHWW 750÷2000 L



Buffer cylinder main feature is the ability to combine multiple sources of heat both as an input or an output and the flexibility to heat the water at different times of day, up to 95 °C. Buffers are an easy way to make most renewable energy projects even more efficient, because they add necessary thermal mass to the system to dampen fast transitions and minimize boiler cycling that occurs during low domestic load conditions.

- Raw carbon steel tank externally painted with powder paint
- Polyester fiber insulation 100 mm+ external soft plastic coating (PVC RAL 9010)
- Solar compatible
- Ready to install probe holders
- 1" ½ connection for the installation of specific heating element kits up to 9 kW
- **2 fixed coils for integration with other heat sources**

WARRANTY:

- **5 YEARS ON THE TANK**
- **2 YEARS ON THE OTHER COMPONENTS**

TECHNICAL DATA	U.M.	AVAILABLE ON REQUEST		AVAILABLE ON REQUEST	
		ISPHWW 750 L	ISPHWW 950 L	ISPHWW 1500 L	ISPHWW 2000 L
Total working capacity	l	732	925	1515	2054
Code	/	FU000019	FU000020	FU000075	FU000076
Heat exchange surface (Lower coil)	m ²	2,4	3,0	3,6	4,2
Heat exchange surface (Upper coil)	m ²	1,8	2,4	2,4	3,0
Thermal power of the heat exchanger (Lower coil) (ΔT 35°C)*	kW	67,0	84,0	101,0	118,0
Thermal power of the heat exchanger (Upper coil) (ΔT 35°C)*	kW	50,0	67,0	67,0	84
Heating water production (Lower coil) (ΔT 35°C)*	l/h	1651	2064	2477	2890
Heating water production (Upper coil) (ΔT 35°C)*	l/h	1238	1651	1651	2064
Heating Time (Lower coil) (ΔT 35°C)*	min.	25	29	38	43
Heating Time (Upper coil) (ΔT 35°C)**	min.	15	15	23	24
Primary flow rate	m ³ /h	2,0	2,0	2,0	2,0
Insulation thickness	mm	≥100	≥100	≥100	≥100
Thermal insulation	[-]	Polyester fiber insulation 100 mm + PVC			
ErP Energy Class		C	C	C	D
ErP Heat Loss Watt	W/h	117	144	170	204
Heat Loss	[kWh/24h]	2,80	3,45	4,08	4,89
Max. Operating temperature	°C	95	95	95	95
Max. solar coil operating temperature	°C	110	110	110	110
Max. Operating pressure ^{1/2}	MPa	0,3/0,45	0,3/0,45	0,3/0,45	0,3/0,45
Max. Operating pressure solar coil ^{1/2}	MPa	1,0/1,5	1,0/1,5	1,0/1,5	1,0/1,5
Heating element (max. length)	mm	790	790	1000	1100
Net weight (dry)	kg	154	189	248	322
Total height (incl. Insulation)	mm	1760	2090	2200	2420
Ø Diameter (incl. Insulation)	mm	990	990	1200	1300

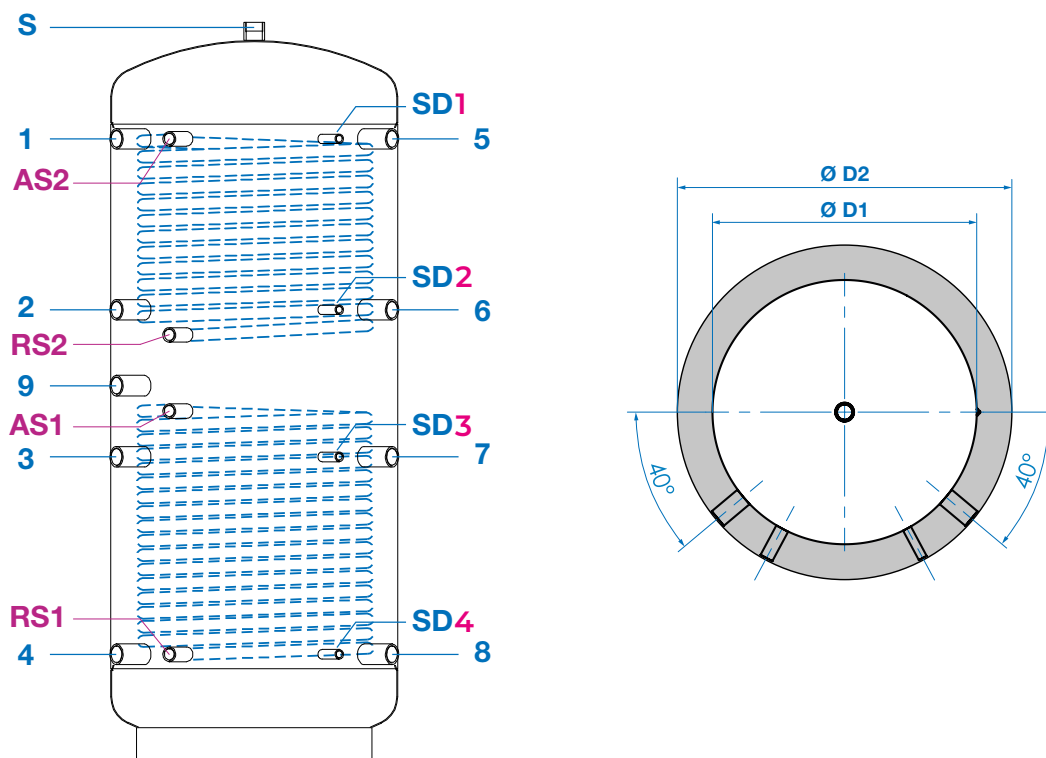
Notes: * Primary circuit temperature 80°C / Secondary circuit temperature 10-45°C / Primary flow rate indicated in the table

Notes: ¹ Max. operating pressure, ² Max. pressure test according to EN 12897 P.4.4.1

**With the only use of the upper coil the interested volume will be 40% of the total storage volume.

TECHNICAL DATA	U.M.	AVAILABLE ON REQUEST		AVAILABLE ON REQUEST	
		ISPHWW 750 L	ISPHWW 950 L	ISPHWW 1500 L	ISPHWW 2000 L
Ø Diameter (without Insulation)	mm	790	790	1000	1100
Tilt height	mm	1740	2090	2215	2450
Boiler Inlet connection (1)	IG / mm	1"½ / 1426	1"½ / 1720	1"½ / 1750	1"½ / 2025
Inlet heating system (2)	IG / mm	1"½ / 1026	1"½ / 1249	1"½ / 1285	1"½ / 1489
Vacant (3)	IG / mm	1"½ / 626	1"½ / 844	1"½ / 900	1"½ / 959
Outlet heating system (4)	IG / mm	1"½ / 256	1"½ / 300	1"½ / 350	1"½ / 325
Boiler Inlet connection high temp. (5)	IG / mm	1"½ / 1426	1"½ / 1720	1"½ / 1750	1"½ / 2025
Boiler Inlet connection low temp. (6)	IG / mm	1"½ / 1026	1"½ / 1249	1"½ / 1285	1"½ / 1489
Heating return / To generator (7)	IG / mm	1"½ / 626	1"½ / 844	1"½ / 900	1"½ / 959
Heating return / To generator (8)	IG / mm	1"½ / 256	1"½ / 300	1"½ / 350	1"½ / 325
Heating element (9)	IG / mm	1"½ / 866	1"½ / 1040	1"½ / 1128	1"½ / 1214
Air Vent (S)	IG / mm	1"½ / 1686	1"½ / 2041	1"½ / 2152	1"½ / 2377
Outlet solar coil (RS1)	IG / mm	1" / 256	1" / 300	1" / 350	1" / 325
Inlet solar coil (AS1)	IG / mm	1" / 801	1" / 970	1" / 1000	1" / 1105
Outlet solar coil (RS2)	IG / mm	1" / 1026	1" / 1180	1" / 1240	1" / 1475
Inlet solar coil (AS2)	IG / mm	1" / 1386	1" / 1720	1" / 1750	1" / 2050
Dry-well connection (SD1)	IG / mm	1"½ / 1426	1"½ / 1720	1"½ / 1750	1"½ / 2025
Dry-well connection (SD2)	IG / mm	1"½ / 1026	1"½ / 1249	1"½ / 1285	1"½ / 1489
Dry-well connection (SD3)	IG / mm	1"½ / 626	1"½ / 844	1"½ / 900	1"½ / 959
Dry-well connection (SD4)	IG / mm	1"½ / 256	1"½ / 300	1"½ / 350	1"½ / 325

Notes : AG = Male fitting, IG = Female fitting





Pipe in Tank



SERIES PTS 500÷2000 L



Pipe in Tank cylinders main feature is the ability to store energy from multiple heat sources, with operating temperatures up to 95°C. The instantaneous domestic hot water is granted by a stainless steel coil: this system provides maximum protection against the formation of bacteria.

- Raw carbon steel tank
- External soft plastic coating (PVC RAL 9010)
- 1" ½ connection for heating element kit
- High density polyurethane insulation (PU) shells
- 8 fittings 1" ½ to connect other heating sources
- High thermal insulation with polyurethane hard foam (PU) for SERIES 500 lt
- Polyester fiber insulation 100 mm + external soft plastic coating (PVC RAL 9010) for SERIES 800-2000 lt
- Corrugated Stainless steel AISI 316L coil for the instantaneous domestic hot water production
- Hydraulic connections arranged in the rear part

WARRANTY:

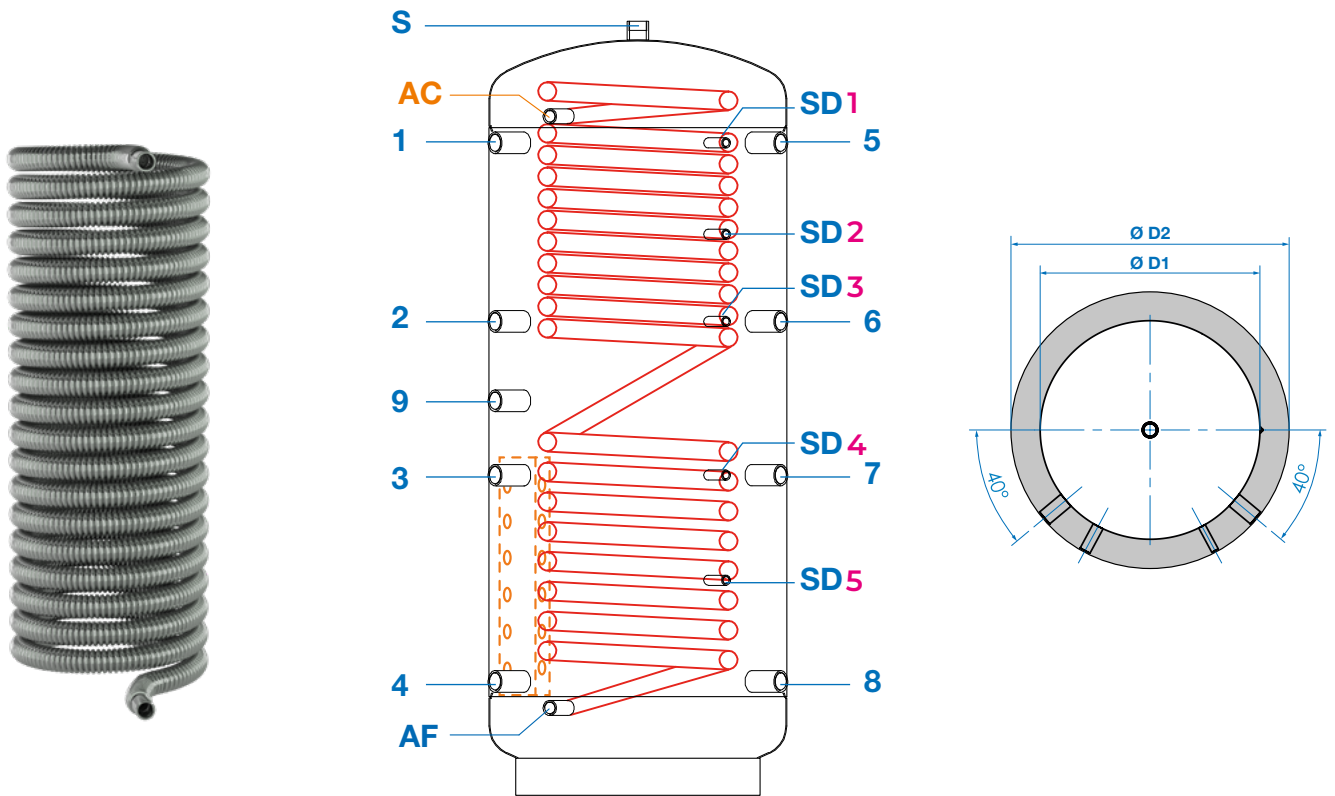
- **5 YEARS ON THE TANK**
- **2 YEARS ON THE OTHER COMPONENTS**

TECHNICAL DATA	U.M.	AVAILABLE ON REQUEST					AVAILABLE ON REQUEST
		PTS 500 L	PTS 800 L	PTS 1000 L	PTS 1500 L	PTS 2000 L	
Total working capacity	l	490	732	925	1515	2054	
Code	/	FU000021	FU000022	FU000023	FU000077	FU000078	
Heat exchange surface D.H.W.	m ²	4,0	6,0	7,5	10,0	10,0	
D.H.W. coil capacity	l	20,0	30,0	38,0	50,0	50,0	
Anti-corrosion coil for D.H.W. production	[-]	Stainless steel AISI 316L EN 1.4404					
Thermal insulation	[-]	Hard PU foam insulation shells (λ=0,024 W/mK)		Polyester fiber insulation 100 mm + PVC			
Insulation thickness	mm	≥50	≥100	≥100	≥100	≥100	
ErP Energy Class		C	C	C	C	D	
ErP Heat Loss Watt	W/h	92	117	144	170	204	
Heat Loss	kW/24h	2,20	2,80	3,45	4,08	4,89	
Max. Operating temperature	°C	95	95	95	95	95	
Max. Operating temperature (D.H.W. coil)	°C	95	95	95	95	95	
Max. Operating pressure ^{1/2}	MPa	0,3/0,45	0,3/0,45	0,3/0,45	0,3/0,45	0,3/0,45	
Max. Operating pressure (D.H.W. coil) ^{1/2}	MPa	0,6/0,9	0,6/0,9	0,6/0,9	0,6/0,9	0,6/0,9	
Net weight (dry)	kg	104	136	172	236	315	
Total height (incl. Insulation)	mm	1630	1760	2090	2200	2420	
Ø Diameter (without Insulation)	mm	-	790	790	1000	1100	
Ø Diameter (incl. Insulation)	mm	750	990	990	1200	1300	

Notes: ¹ Max. operating pressure, ² Max. pressure test according to EN 12897 P.4.4.1 - D.H.W. = Domestic hot water

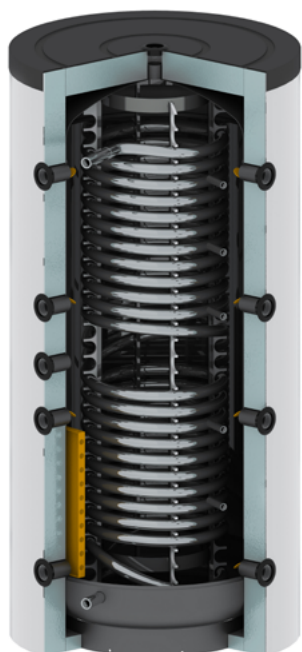
TECHNICAL DATA	U.M.	AVAILABLE ON REQUEST		AVAILABLE ON REQUEST		
		PTS 500 L	PTS 800 L	PTS 1000 L	PTS 1500 L	PTS 2000 L
Heating element (max. length)	mm	650	790	790	1000	1100
Tilt height	mm	1794	1720	2069	2193	2431
Boiler Inlet connection (1)	IG / mm	1"½ / 1381	1"½ / 1426	1"½ / 1720	1"½ / 1750	1"½ / 2025
Vacant (2)	AG / mm	1"½ / 971	1"½ / 1026	1"½ / 1249	1"½ / 1285	1"½ / 1489
Vacant (3)	IG / mm	1"½ / 651	1"½ / 626	1"½ / 844	1"½ / 900	1"½ / 959
Outlet heating system (4)	IG / mm	1"½ / 211	1"½ / 256	1"½ / 300	1"½ / 350	1"½ / 325
Boiler Inlet connection high temp. (5)	IG / mm	1"½ / 1381	1"½ / 1426	1"½ / 1720	1"½ / 1750	1"½ / 2025
Boiler Inlet connection low temp. (6)	IG / mm	1"½ / 971	1"½ / 1026	1"½ / 1249	1"½ / 1285	1"½ / 1489
Heating return / To generator (7)	IG / mm	1"½ / 651	1"½ / 626	1"½ / 844	1"½ / 900	1"½ / 959
Heating return / To generator (8)	IG / mm	1"½ / 211	1"½ / 256	1"½ / 300	1"½ / 350	1"½ / 325
Heating element (9)	IG / mm	1"½ / 821	1"½ / 866	1"½ / 1040	1"½ / 1128	1"½ / 1214
Air Vent (S)	AG / mm	1"½ / 1621	1"½ / 1685	1"½ / 2040	1"½ / 2149	1"½ / 2374
Dry-well connection (SD1)	IG / mm	½" / 1381	½" / 1426	½" / 1720	½" / 1750	½" / 2025
Dry-well connection (SD2)	IG / mm	½" / 1190	½" / 1226	½" / 1479	½" / 1525	½" / 1780
Dry-well connection (SD3)	IG / mm	½" / 971	½" / 1026	½" / 1249	½" / 1285	½" / 1489
Dry-well connection (SD4)	IG / mm	½" / 651	½" / 626	½" / 844	½" / 900	½" / 959
Dry-well connection (SD5)	IG / mm	½" / 420	½" / 441	½" / 567	½" / 610	½" / 645
Domestic cold water inlet (AF)	IG / mm	1" / 136	1" / 181	1" / 220	1" / 261	1" / 235
Domestic hot water inlet (AC)	IG / mm	1" / 1455	1" / 1500	1" / 1800	1" / 1839	1" / 2114

Notes : AG = Male fitting, IG = Female fitting





Pipe in Tank Solar



SERIE PTSW 500÷2000 L

Pipe In Tank Solar main feature is the ability to store energy from multiple heat sources, with operating temperature up to 95°C.

The production of hot instantaneous sanitary water is granted by a stainless steel coil: this system provides the maximum protection against the formation of bacteria.

- Raw carbon steel tank
- External soft plastic coating (PVC RAL 9010)
- 7 fittings 1" ½ to connect other heating sources
- Integrated solar coil
- 1" ½ connection for heating element
- High thermal insulation with polyurethane hard foam (PU) for SERIES 500 lt
- Corrugated Stainless steel AISI 316L coil for the instantaneous domestic hot water production
- Polyester fiber insulation 100 mm + external soft plastic coating (PVC RAL 9010) for SERIES 800-2000 lt

WARRANTY:

- **5 YEARS ON THE TANK**
- **2 YEARS ON THE OTHER COMPONENTS**

AVAILABLE ON REQUEST

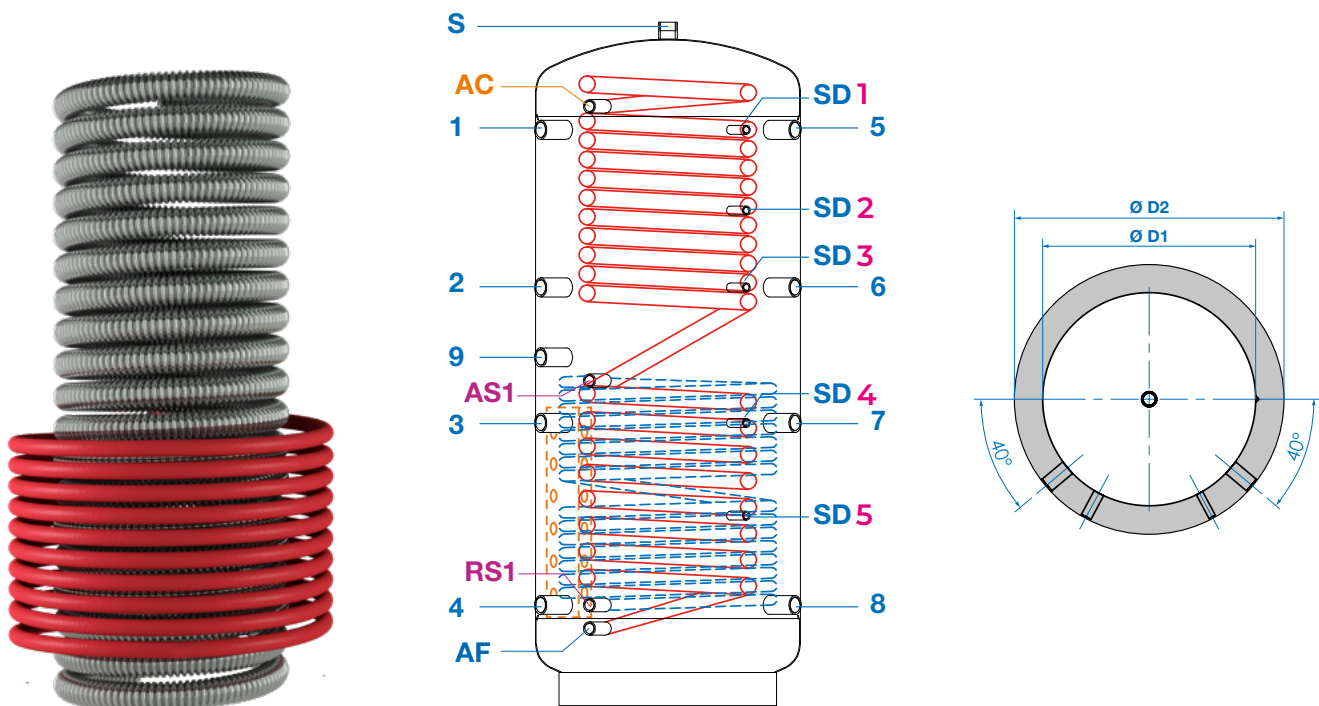
AVAILABLE ON REQUEST

TECHNICAL DATA	U.M.	PTSW 500 L	PTSW 800 L	PTSW 1000 L	PTSW 1500 L	PTSW 2000 L
Total working capacity	l	490	732	925	1515	2054
Code	/	FU000026	FU000027	FU000028	FU000079	FU000080
D.H.W. coil exchange surface	m ²	4,0	6,0	7,5	10,0	10,0
D.H.W. coil capacity	l	28,0	30,0	30,0	50,0	50,0
Anti-corrosion coil for D.H.W. production	[-]	Stainless steel AISI 316L EN 1.4404				
Heat exchange surface solar coil	m ²	1,8	2,4	3,0	3,6	4,2
Thermal insulation	[-]	Hard PU foam insulation shells (λ=0,024 W/mK)		Polyester fiber insulation 100 mm + PVC		
Insulation thickness	mm	≥50	≥100	≥100	≥100	≥100
ErP Energy Class		C	C	C	C	D
ErP Heat Loss Watt	W/h	92	117	144	170	204
Heat loss	kW/24h	2,50	3,10	3,38	4,10	4,44
Max. Operating temperature	°C	95	95	95	95	95
Max. Operating temperature (D.H.W. coil)	°C	95	95	95	95	95
Max. Operation temperature solar coil	°C	110	110	110	110	110
Max. Operating pressure ^{1/2}	MPa	0,3/0,45	0,3/0,45	0,3/0,45	0,3/0,45	0,3/0,45
Max. Operating pressure (D.H.W. coil) ^{1/2}	MPa	0,6/0,9	0,6/0,9	0,6/0,9	0,6/0,9	0,6/0,9
Max. Operation pressure solar coil ^{1/2}	MPa	1,0/1,5	1,0/1,5	1,0/1,5	1,0/1,5	1,0/1,5
Net weight (dry)	kg	128	169	202	272	366
Total height (incl. Insulation)	mm	1630	1760	2090	2200	2420
Ø Diameter (without Insulation)	mm	-	790	790	1000	1100
Ø Diameter (incl. Insulation)	mm	750	990	990	1200	1300
Heating element (max. length)	mm	500	500	500	1000	1100
Tilt height	mm	1794	1720	2069	2193	2431

Notes: ¹ Max. operating pressure, ² Max. pressure test according to EN 12897 P.4.4.1 - D.H.W. = Domestic hot water

TECHNICAL DATA	U.M.	AVAILABLE ON REQUEST		AVAILABLE ON REQUEST		
		PTSW 500 L	PTSW 800 L	PTSW 1000 L	PTSW 1500 L	PTSW 2000 L
Boiler Inlet connection (1)	IG / mm	1"½ / 1381	1"½ / 1426	1"½ / 1720	1"½ / 1750	1"½ / 2025
Vacant (2)	AG / mm	1"½ / 971	1"½ / 1026	1"½ / 1249	1"½ / 1285	1"½ / 1489
Vacant (3)	IG / mm	1"½ / 651	1"½ / 626	1"½ / 844	1"½ / 900	1"½ / 959
Outlet heating system (4)	IG / mm	1"½ / 211	1"½ / 256	1"½ / 300	1"½ / 350	1"½ / 325
Boiler Inlet connection high temp. (5)	IG / mm	1"½ / 1381	1"½ / 1426	1"½ / 1720	1"½ / 1750	1"½ / 2025
Boiler Inlet connection low temp. (6)	IG / mm	1"½ / 971	1"½ / 1026	1"½ / 1249	1"½ / 1285	1"½ / 1489
Heating return / To generator (7)	IG / mm	1"½ / 651	1"½ / 626	1"½ / 844	1"½ / 900	1"½ / 959
Heating return / To generator (8)	IG / mm	1"½ / 211	1"½ / 256	1"½ / 300	1"½ / 350	1"½ / 325
Heating element (9)	IG / mm	1"½ / 821	1"½ / 866	1"½ / 1040	1"½ / 1128	1"½ / 1214
Inlet solar coil (AS1)	IG / mm	1" / 721	1" / 801	1" / 970	1" / 1000	1" / 1105
Outlet solar coil (RS1)	IG / mm	1" / 211	1" / 256	1" / 300	1" / 1240	1" / 1475
Air Vent (S)	AG / mm	1"½ / 1621	1"½ / 1685	1"½ / 2040	1"½ / 2149	1"½ / 2374
Dry-well connection (SD1)	IG / mm	½" / 1381	½" / 1426	½" / 1720	½" / 1750	½" / 2025
Dry-well connection (SD2)	IG / mm	½" / 1190	½" / 1226	½" / 1479	½" / 1525	½" / 1780
Dry-well connection (SD3)	IG / mm	½" / 971	½" / 1026	½" / 1249	½" / 1285	½" / 1489
Dry-well connection (SD4)	IG / mm	½" / 651	½" / 626	½" / 844	½" / 900	½" / 959
Dry-well connection (SD5)	IG / mm	½" / 420	½" / 441	½" / 567	½" / 610	½" / 645
Domestic cold water inlet (AF)	IG / mm	1" / 136	1" / 181	1" / 220	1" / 261	1" / 235
Domestic hot water inlet (AC)	IG / mm	1" / 1455	1" / 1500	1" / 1800	1" / 1839	1" / 2114

Notes : AG = Male fitting, IG = Female fitting





STYLEBOILER

ELECTRIC AND WOOD-FIRED WATER HEATERS

ELECTRIC WATER HEATERS

The STRENGTHS of the product range in detail:

The Styleboiler range of electric storage water heaters offers an extensive array of models for Domestic hot water (D.H.W.) with a capacity ranging from **10 to 500 litres** and power **from 1,2 to 10 kW** with single- and three-phase connections. The range meets both typical domestic requirements as well as those of industrial and collective settings. The product lines include point of use models, which are ideal for the rapid and inexpensive production of small quantities of water, designed for installations where limited space is available. The traditional models devised to accommodate the essential basic requirements of the market, and also the "interline" product line, providing a large number of combinations to meet the highest expectations as regards quality in observance of European and international standards.

External control knob (SE)

External control knob used to facilitate the water heater temperature adjustment, combined with the flange for easy inspection and cleaning.

Thermal insulation

Insulation layer made of very thick (Interline range) high-density polyurethane (PU) foam that guarantees excellent insulation. Less heat loss means lower energy waste.

Environmentally friendly

We strive to optimize its industrial activity while respecting the environment. To minimize the environmental impact of our products, it has abolished the use of chlorofluorocarbons (CFC-HCFC) in the insulation (PU) layer and makes continuous efforts to use recyclable components.

High IP protection rating

Styleboiler water heaters are safe because they are splash-proof and are specially designed for installation close to the water delivery points, even in public and collective settings.

Tank protection against wear

Thanks to the "flow-coating" enamelling process at 850°C WRAS (BS6920-1) and KTW-BWGL approved according to UBA specifications (German Environmental Agency). Available also with stainless steel tank (AISI 316L EN 1.4404)

Dual safety

Thanks to the presence of both an operating thermostat and a maximum temperature safety thermostat to avoid possible malfunctions.

Magnesium anode

Featured in all the models in the range, this anode makes for effective electrochemical tank protection.



VS Smart



ErP  Energy Class



SMART TECHNOLOGY WATER HEATERS

Smart electric water heaters are ideal for the rapid and inexpensive production of medium quantities of water. It means that the appliance adapts to your consumption patterns. Without any effort, users can have hot water according to their needs.



- WI-FI connection for remote control (IOS and Android)
- Stainless steel AISI 316L tank pickled and passivated, (EN 1.4404) welded with "TIG" and "Plasma" technologies for optimum protection from the effects of corrosion
- Incoloy 825 stainless steel heating element
- User-friendly digital interface for temperature display and settings
- SMART mode operating with self-learning habit algorithm which will ensure you have hot water when you need it and save energy when you don't
- External casing made of sheet metal coated with epoxy powder paint
- Low heat loss due to superior thermal insulation
- Vacancy mode and automatic anti-legionella function for total piece of mind
- Environmentally friendly CFC/HCFC free foam to ensure excellent heat retention

WARRANTY:

- 10 YEARS ON THE TANK
- 2 YEARS ON THE OTHER COMPONENTS



10 YEARS
WARRANTY

Styleboiler VSXI 35 SMART

ErP Energy Class: **A**

ErP Test profile: **S**

Max. operating temperature: 75 °C

Max. operating pressure: 0,8 MPa

Net weight: 12,5 kg



Hydraulic connections (KW-WW): 1/2"

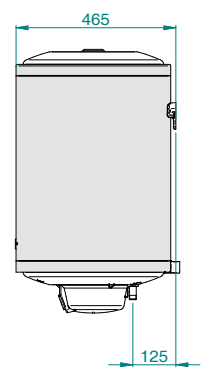
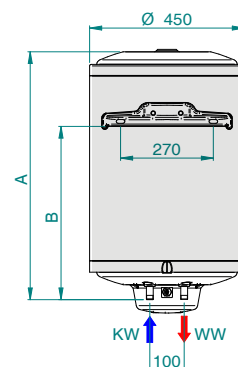
Dimensional values (A/B): 512/287 mm

490 kWh/annum GJ/annum

15 dB

2017 812/13 Cod. IU000051

TECHNICAL DATA U.M.		SERIES VSXI 35-50-80-100 SMART			
		VSXI 35 Smart	VSXI 50 Smart	VSXI 80 Smart	VSXI 100 Smart
Capacity	l	35	50	80	100
Code	/	IU000051	IU000052	IU000053	IU000054
Warranty	yr	10	10	10	10
Power	kW	1,3	1,3	1,3	1,3
Voltage	V~	230	230	230	230
Heating time (ΔT50 °C)	min.	96	138	220	276
ErP Energy Class		A	B	B	B
ErP Test profile		S	M	M	M
Max. operating temperature	°C	75	75	75	75
Max. operating pressure	MPa	0,8	0,8	0,8	0,8
Net weight	kg	12,5	15,5	20,5	25,5
Hydraulic connections (KW-WW)	G	1/2"	1/2"	1/2"	1/2"
Dimensional values (A/B)	mm	512/287	512/287	742/518	893/669





Point of Use



SERIES 10/2



Pony water heaters are ideal for the rapid and inexpensive production of small quantities of water. They can be installed above or below the sink (30 Litres above only). Space-saving design for installation in limited spaces.

- Storage tank of steel, glass-lined with “Blue Glass 4753” flow-coating method at 850°C WRAS (BS6920-1) and KTW-BWGL approved according to UBA specifications (German Environmental Agency)
- Corrosion-proof magnesium anode
- Screw-in heating element in copper, fitted on a 1”¼ coupling
- Regulation and safety rod thermostat
- IPX5 protective cover over electrical parts
- Neopor® insulating shells for reduced heat loss
- Shock-resistant polypropylene casing and back
- Brackets for wall mounting available upon request
- LED heating lamp shows that the heating cycle is in progress

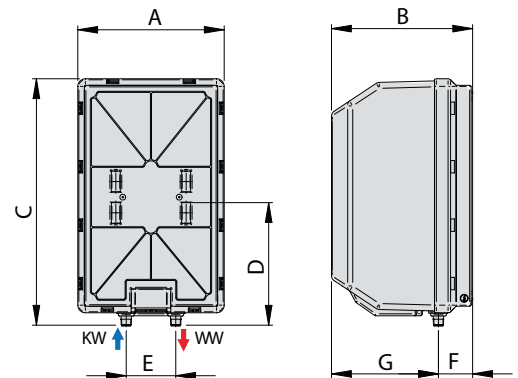


WARRANTY:

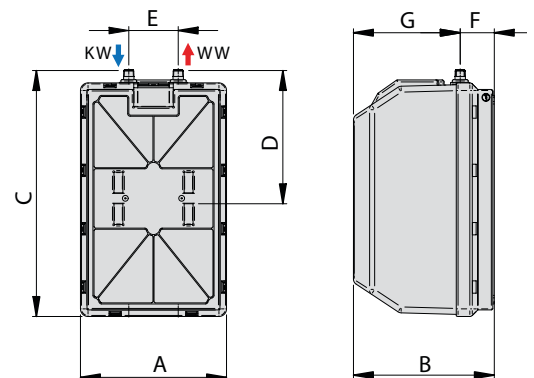
- 2 YEARS ON THE TANK AND COMPONENTS

TECHNICAL DATA	U.M.	Pony 10/2	Pony 10/2 s	Pony 15/2	Pony 15/2 s	Pony 30/2
Capacity	l	10	10	15	15	30
Code	/	171513	171514	171515	171516	171517
Warranty	yr	2	2	2	2	2
Power	kW	1,2	1,2	1,2	1,2	1,2
Voltage	V~	230	230	230	230	230
Heating time (ΔT50 °C)	min.	30	30	46	46	92
ErP Energy Class	ErP	B	B	B	B	C
ErP Test profile	ErP	XXS	XXS	XXS	XXS	S
Max. operating temperature	°C	75	75	75	75	75
Max. operating temperature	MPa	0,8	0,8	0,8	0,8	0,8
Net weight	kg	6,0	6,0	7,5	7,5	10,0
Hydraulic connections (KW-WW)	G	½"	½"	½"	½"	½"

Oversink version 10-15-30



Undersink version 10-15



Dimensions	U.M.	A	B	C	D	E	F	G
10/10s	mm	261/261	251/251	450/450	228/250	100/100	62/62	189/189
15/15s	mm	296/296	285/285	498/498	248/270	100/100	69/69	216/216
30	mm	366	355	568	384	100	89	266

Notes: s = undersink version

Point of Use Lux



SERIES 10/5



Pony water heaters are ideal for the rapid and inexpensive production of small quantities of water. They can be installed above or below the sink (30 Litres above only). Space-saving design for installation in limited spaces.

- Storage tank of steel, glass-lined with “Blue Glass 4753” flow-coating method at 850°C WRAS (BS6920-1) and KTW-BWGL approved according to UBA specifications (German Environmental Agency)
- Corrosion-proof magnesium anode
- Screw-in heating element in copper, fitted on a flange for LUX version
- Regulation and safety thermostat, only for the LUX version with external control knob
- LED heating lamp shows that the heating cycle is in progress
- IPX5 protective cover over electrical parts
- Neopor® insulating shells for reduced heat loss
- Shock-resistant polypropylene casing and back

Brackets for wall mounting available upon request



SERIES LUX



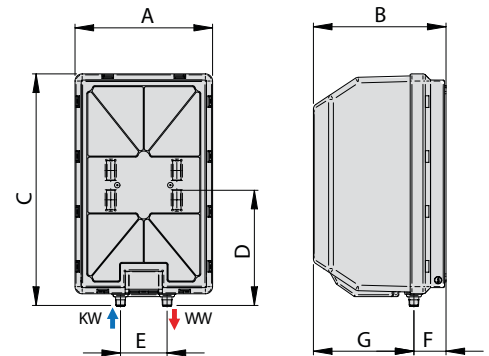
External Control Knob

TECHNICAL DATA	U.M.	Pony 10/5	Pony 10/5 s	Pony 15/5	Pony 15/5 s	Pony 30/5
Capacity	l	10	10	15	15	30
Code	/	161454	161455	161484	161485	161507
Warranty	yr	2+3	2+3	2+3	2+3	2+3
Power	kW	1,2	1,2	1,2	1,2	1,2
Voltage	V~	230	230	230	230	230
Heating time (ΔT50 °C)	min.	30	30	45	46	92
ErP Energy Class		B	B	B	B	C
ErP Test profile		XXS	XXS	XXS	XXS	S
Max. operating temperature	°C	75	75	75	75	75
Max. operating temperature	MPa	0,8	0,8	0,8	0,8	0,8
Net weight	kg	6,0	6,0	7,5	7,5	10,0
Hydraulic connections (KW-WW)	G	½"	½"	½"	½"	½"

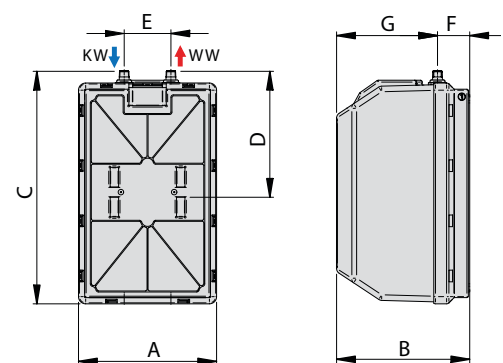
WARRANTY:

- 5 YEARS ON THE TANK
- 2 YEARS ON THE OTHER COMPONENTS

Oversink version 10-15-30



Undersink version 10s-15s



VERSION LUX

INSPECTION FLANGE AND EXTERNAL KNOB

TECHNICAL DATA	U.M.	PonySE 10/5	Pony SE 10/5 s	Pony SE 15/5	Pony SE 15/5 s	Pony SE 30/5
Capacity	l	10	10	15	15	30
Code	/	171000	171001	171002	171003	171004
Warranty	yr	2+3	2+3	2+3	2+3	2+3
Power	kW	1,2	1,2	1,2	1,2	1,2
Voltage	V~	230	230	230	230	230
Heating time (ΔT50 °C)	min.	30	30	46	46	92
ErP Energy Class		B	B	B	B	C
ErP Test profile		XXS	XXS	XXS	XXS	S
Max. operating temperature	°C	75	75	75	75	75
Max. operating temperature	MPa	0,8	0,8	0,8	0,8	0,8
Net weight	kg	6,0	6,0	7,5	7,5	10,0
Hydraulic connections (KW-WW)	G	½"	½"	½"	½"	½"

	U.M.	10/10s	15/15s	30
A	mm	261/261	296/296	366
B	mm	251/251	285/285	355
C	mm	450/450	498/498	568
D	mm	228/250	248/270	384
E	mm	100/100	100/100	100
F	mm	62/62	69/69	89
G	mm	189/189	216/216	266

Notes: s = undersink version.



Traditional Water Heater



SERIE VD 50÷100

Traditional storage water heaters are the basic product range for the most varied market requirements.



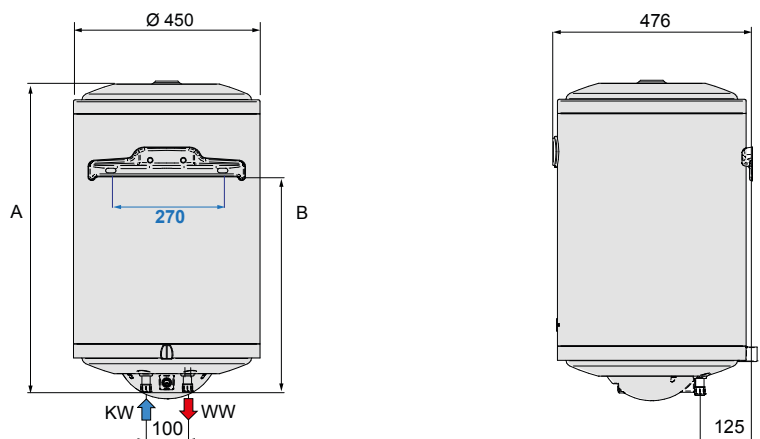
- Storage tank of steel, glass-lined with “Blue Glass 4753” flow-coating method at 850°C WRAS (BS6920-1) and KTW-BWGL approved according to UBA specifications (German Environmental Agency)
- Corrosion-proof magnesium anode
- Regulation and safety rod thermostat
- LED heating lamp shows that the heating cycle is in progress
- External casing made of sheet metal coated with epoxy powder paint
- Rigid polyurethane (PU) insulation layer
- IPX4 protective cover on electrical parts
- Stored water temperature indicator



WARRANTY:

- 2 YEARS ON THE TANK AND COMPONENTS

TECHNICAL DATA		SERIES VD 50÷100		
	U.M.	VD 50	VD 80	VD 100
Capacity	l	50	80	100
Code	/	171843	171844	171845
Warranty	yr	2	2	2
Power	kW	1,2	1,2	1,2
Voltage	V~	230	230	230
Heating time (ΔT50 °C)	min.	153	245	306
ErP Energy Class	ErP	C	C	C
ErP Test profile		M	M	L
Max. operating temperature	°C	75	75	75
Max. operating pressure	MPa	0,8	0,8	0,8
Net weight	kg	15,1	21,8	25,5
Hydraulic connections (KW-WW)	G	½"	½"	½"
Dimensional values: A/B	mm	511/288	742/518	893/670



Vertical Lux

SERIES VF 50÷100 e VF 50-100 SE



Wall-hung storage water heaters are designed to satisfy the most varied market requirements. The external control knob (SE) makes it easy to adjust the water temperature. Also recommended for industrial and collective use.

SERIES VF



- Storage tank of steel, glass-lined with “Blue Glass 4753” flow-coating method at 850°C WRAS (BS6920-1) and KTW-BWGL approved according to UBA specifications (German Environmental Agency)
- 88 mm tank inspection flange (SE Version)
- Corrosion-proof magnesium anode
- Screw-in heating element in copper, fitted on a flange
- Regulation and safety rod thermostat, with external control knob (SE Version)
- Rigid polyurethane (PU) insulation layer
- External casing made of sheet metal coated with epoxy powder paint
- LED heating lamp shows that the heating cycle is in progress
- IPX4 protective cover on electrical parts
- Stored water temperature indicator

SERIES VF-SE



External Control Knob


WARRANTY:

• 5 YEARS ON THE TANK

• 2 YEARS ON THE OTHER COMPONENTS

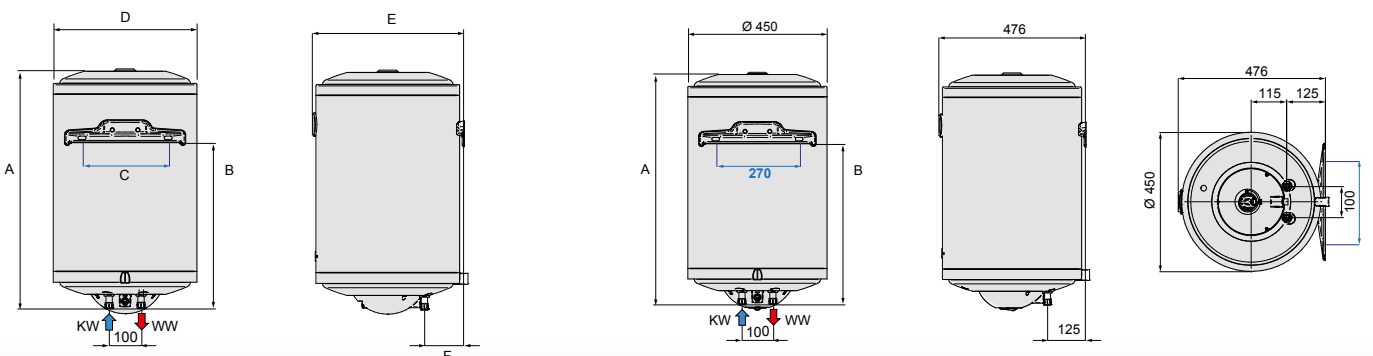
SERIES VF 50÷100

SERIES VF 50÷100 SE INSPECTION FLANGE AND EXTERNAL KNOB

TECHNICAL DATA	U.M.	VF 50			VF 80			VF 100		
		VF 50	VF 80	VF 100	VF 50 SE	VF 80 SE	VF 100 SE	VF 50 SE	VF 80 SE	VF 100 SE
Capacity	l	50	80	100	50	80	100	50	80	100
Code	/	171862	171863	171864	171859	171860	171861	171859	171860	171861
Warranty	yr	2+3	2+3	2+3	2+3	2+3	2+3	2+3	2+3	2+3
Power	kW	1,2	1,2	1,2	1,2	1,2	1,2	1,2	1,2	1,2
Voltage	V~	230	230	230	230	230	230	230	230	230
Heating time (ΔT50 °C)	min.	153	245	306	153	245	306	153	245	306
ErP Energy Class		C	C	C	C	C	C	C	C	C
ErP Test profile		M	M	L	M	M	L	M	M	L
Max. operating temperature	°C	75	75	75	75	75	75	75	75	75
Max. operating pressure	MPa	0,8	0,8	0,8	0,8	0,8	0,8	0,8	0,8	0,8
Net weight	kg	15,1	21,8	25,5	15,5	20,5	25,5	15,5	20,5	25,5
Hydraulic connections (KW-WW)	G	½"	½"	½"	½"	½"	½"	½"	½"	½"
Dimensional values: A/B	mm	511/288	742/518	893/670	511/288	742/518	893/670	511/288	742/518	893/670
Dimensional values: C/D	mm	270/450	270/450	270/450	-	-	-	-	-	-
Dimensional values: E/F	mm	476/125	476/125	476/125	-	-	-	-	-	-

SERIES VF 50÷100

SERIES VF 50÷100 SE





Wall-hung Thermo

SERIES VF/T 50-80-100



Wall-hung storage water heaters are designed to satisfy the most varied market requirements. Also recommended for industrial and collective use.



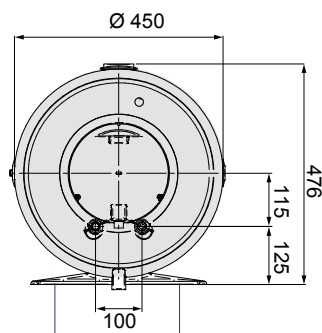
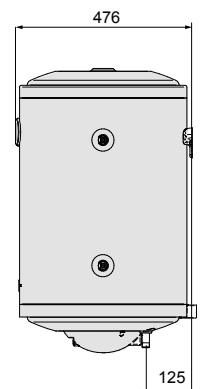
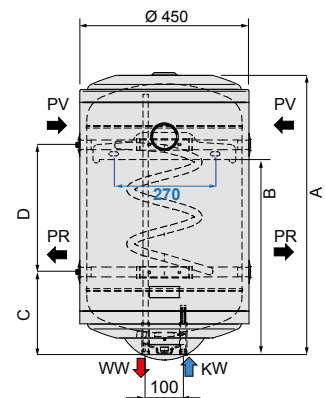
- Storage tank of steel, glass-lined with "Blue Glass 4753" flow-coating method at 850°C WRAS (BS6920-1) and KTW-BWGL approved according to UBA specifications (German Environmental Agency)
- Corrosion-proof magnesium anode
- Screw-in heating element in copper, fitted on a 1" ¼ coupling
- Regulation and safety rod thermostat
- Rigid polyurethane (PU) insulation layer
- External casing made of sheet metal coated with epoxy powder paint
- LED heating lamp shows that the heating cycle is in progress
- **IPX4 protective cover on electrical parts**
- Stored water temperature indicator



WARRANTY:

- **5 YEARS ON THE TANK**
- **2 YEARS ON THE OTHER COMPONENTS**

TECHNICAL DATA	U.M.	VF/T 50	VF/T 80	VF/T 100
Capacity	l	50	80	100
Code	/	171867	171868	171869
Warranty	yr	2+3	2+3	2+3
Power	kW	1,2	1,2	1,2
Voltage	V~	230	230	230
Heating time (ΔT50 °C)	min.	153	245	306
ErP Energy Class		C	C	C
ErP Test profile		M	M	L
Max. operating temperature	°C	75	75	75
Max. operating pressure	MPa	0,8	0,8	0,8
Net weight	kg	17,0	23,5	27,5
Hydraulic connections (KW-WW)	G	½"	½"	½"
Hydraulic connections (PV-PR)	RP	½"	½"	½"
Dimensional values: A	mm	511	742	893
Dimensional values: B	mm	288	518	670
Dimensional values: C	mm	220	220	200
Dimensional values: D	mm	107	338	352



Big Size



SERIES VF 150-200

Wall-hung storage water heaters are designed to satisfy the most varied market requirements. The external control knob makes it easy to adjust the water temperature. Also recommended for industrial and collective use.




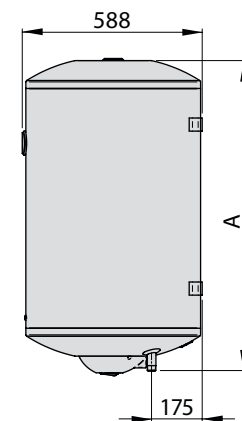
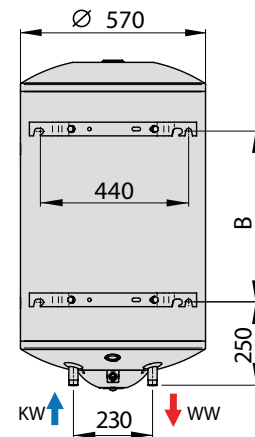
- Storage tank of steel, glass-lined with “Blue Glass 4753” flow-coating method at 850°C WRAS (BS6920-1) and KTW-BWGL approved according to UBA specifications (German Environmental Agency)
- 88 mm tank inspection flange
- Corrosion-proof magnesium anode
- Screw-in heating element in copper fitted on a flange
- Regulation and safety rod thermostat
- Rigid polyurethane (PU) insulation layer
- External casing made of sheet metal coated with epoxy powder paint
- **IPX4 protective cover over electrical parts**
- Stored water temperature indicator

WARRANTY:

- **5 YEARS ON THE TANK**
- **2 YEARS ON THE OTHER COMPONENTS**



TECHNICAL DATA	U.M.	VF 150	VF 200
Capacity	l	157,6	210,1
Code	/	172418	172419
Warranty	yr	2+3	2+3
Power	kW	2,0	2,0
Voltage	V~	230	230
Heating time ($\Delta T50$ °C)	min.	275	367
ErP Energy Class		C	C
ErP Test profile		L	L
Max. operating temperature	°C	95	95
Max. operating pressure	MPa	0,6 / 1,2	0,6 / 1,2
Net weight	kg	59,6	70,2
Hydraulic connections (KW-WW)	G	3/4" (Rp)	3/4" (Rp)
Dimensional values: A	mm	1026	1297
Dimensional values: B	mm	570	570





Horizontal

ErP Energy Class



SERIES OD e OF 80-100

Horizontal water heaters are the basic product range for the most varied market requirements. Suitable for locating the heater out of sight.



- Storage tank of steel, glass-lined with "Blue Glass 4753" flow-coating method at 850°C WRAS (BS6920-1) and KTW-BWGL approved according to UBA specifications (German Environmental Agency)
- Ø 88 mm tank inspection flange
- Corrosion-proof magnesium anode
- Screw-in heating element in copper fitted on a flange
- Regulation and safety rod thermostat
- External casing made of sheet metal coated with epoxy powder paint
- **IPX4 protective cover on electrical parts**
- Rigid polyurethane (PU) insulation layer
- LED heating lamp shows that the heating cycle is in progress
- Stored water temperature indicator

**WARRANTY:**

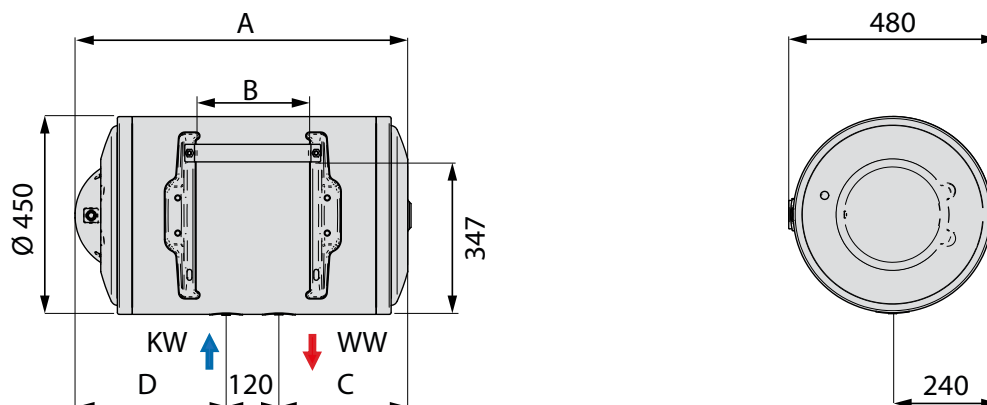
- **2 YEARS ON THE TANK AND COMPONENTS**

WARRANTY:

- **5 YEARS ON THE TANKS**
- **2 YEARS ON THE OTHER COMPONENTS**

TECHNICAL DATA	U.M.	OD 80	OF 80	OF 100
Capacity	l	80	80	100
Code	RIGHT LEFT	171900 171901	171903 171904	171905 171906
Warranty	yr	2	2+3	2+3
Power	kW	1,2	1,2	1,2
Voltage	V~	230	230	230
Heating time (ΔT50 °C)	min.	245	245	306
ErP Energy Class	ErP	C	C	C
ErP Test profile	ErP	M	M	L
Max. operating temperature	°C	75	75	75
Max. operating pressure	MPa	0,8	0,8	0,8
Net weight	kg	20,5	20,5	25,5
Hydraulic connections (KW-WW)	G	½"	½"	½"
Dimensional values: A/B	mm	757/258	757/258	908/409
Dimensional values: C/D	mm RH mm LH	293/344 344/293	293/344 344/293	369/419 419/369

Notes: RH = Right version , LH = Left version



Horizontal Thermo

ErP  Energy Class**C** 

SERIES OF/T 80

Horizontal water heaters are the basic product range for the most varied market requirements. Compatible with gas, oil boilers or other heat sources.




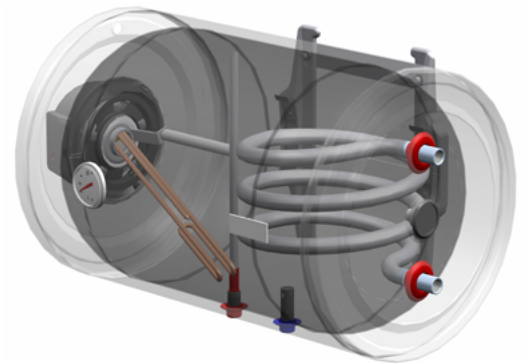
- Storage tank of steel, glass-lined with “Blue Glass 4753” flow-coating method at 850°C WRAS (BS6920-1) and KTW-BWGL approved according to UBA specifications (German Environmental Agency)
- Ø 88 mm tank inspection flange
- Corrosion-proof magnesium anode
- Screw-in heating element in copper fitted on a flange
- Regulation and safety rod thermostat
- External casing made of sheet metal coated with epoxy powder paint
- **IPX4 protective cover over electrical parts**
- Rigid polyurethane (PU) insulation layer
- LED heating lamp shows that the heating cycle is in progress
- Stored water temperature indicator



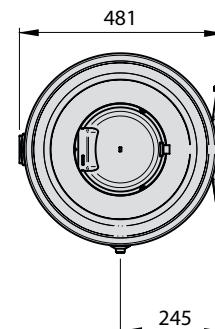
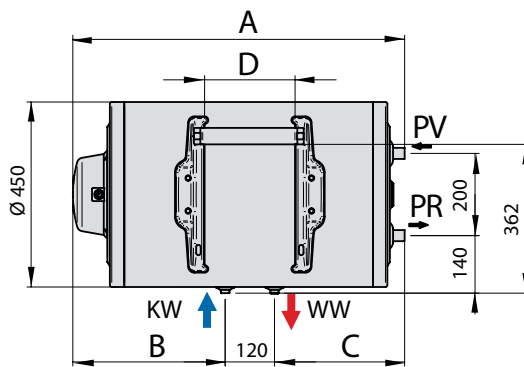
WARRANTY:

- **5 YEARS ON THE TANKS**
- **2 YEARS ON THE OTHER COMPONENTS**

TECHNICAL DATA	U.M.	OF/T 80 RH	OF/T 80 LH
Capacity	l	80	80
Code		171907	171908
Warranty	yr	2+3	2+3
Power	kW	1,2	1,2
Voltage	V~	230	230
Heating time (ΔT50 °C)	min.	245	245
ErP Energy Class		C	C
ErP Test profile		M	M
Max. operating temperature	°C	75	75
Max. operating pressure	MPa	0,8	0,8
Net weight	kg	26,5	26,5
Hydraulic connections (KW-WW)	G	½"	½"
Exchanger fittings (PV-PR)	RP	½"	½"
Dimensional values: A/B/C/D	mm	807 / 370,5 / 316,5 / 220	



Notes: RH = Right version , LH = Left version





Interline

SERIES ISS 120÷500



Floor-standing electric storage water heaters are designed to meet the highest expectations as regards quality in observance of European and international standards. The insulation layer is made of very thick high-density polyurethane (PU) foam to minimize heat loss. They are ideal for collective and industrial use.

- Storage tank of steel, glass-lined with "Blue Glass 4753" flow-coating method at 850°C WRAS (BS6920-1) and KTW-BWGL approved according to UBA specifications (German Environmental Agency)
- Ø 134 mm frontal inspection hatch
- Corrosion-proof magnesium anode
- Armoured copper heating element fitted on the hatch
- Regulation and safety rod thermostat
- Very thick polyurethane (PU) foam insulation layer
- **IPX5 protective cover over electrical parts**
- Stored water temperature indicator.
- Adjustable feet for floor standing
- External soft plastic coating (PVC), white RAL 9016



ACCESSORIES PP. 88

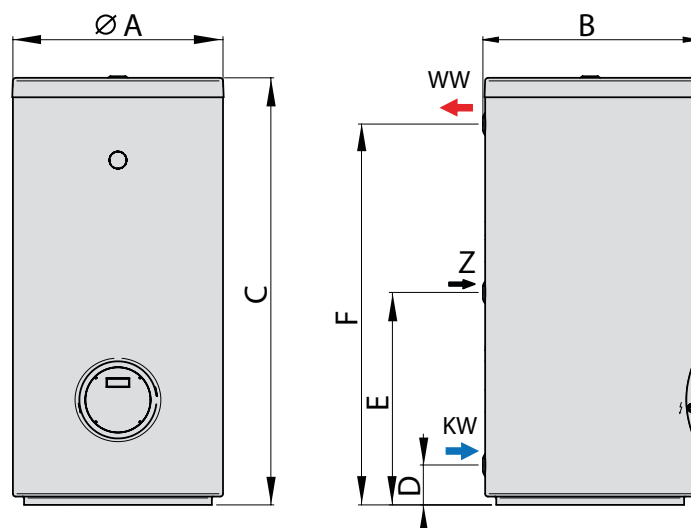
WARRANTY:

- **2 YEARS ON THE TANK AND COMPONENTS**

Type	Capacity	Code	Power	Voltage	Heating time $\Delta T=50^{\circ}\text{C}$	Energy Class	Test Profile	Max.Temp. Operation	Max. Oper. pressure ¹⁻²	Net weight	Hydraulic connection
	l	/	kW	V~	min	ErP	ErP	°C	MPa	kg	KW-WW-Z
ISS 120	120	172478	1,5	230	294	C	L	75	0,6/1,2	38	Rp 3/4"
ISS 160	160	172479	2,0	230	294	C	L	75	0,6/1,2	46	Rp 3/4"
ISS 200	200	172480	2,0	230	367	C	L	75	0,6/1,2	53	Rp 3/4"
ISS 300/3	300	172481	3,0	400/3	367	C	L	75	0,6/1,2	77	Rp 1"
ISS 400/3	400	172482	4,0	400/3	367	C	XL	75	0,6/1,2	99	Rp 1"
ISS 500/3	500	172483	5,0	400/3	367	C	XL	75	0,6/1,2	115	Rp 1"

Notes: ¹ Max. operating pressure, ² Max. pressure test according to EN 12897 P.4.4.1

Type	A	B	C	D	E	F
	mm	mm	mm	mm	mm	mm
ISS 120	610	620	854	150	486	720
ISS 160	610	620	1056	150	551	922
ISS 200	610	620	1329	150	651	1195
ISS 300/3	650	675	1560	148	828	1408
ISS 400/3	750	775	1553	162	782	1387
ISS 500/3	750	775	1818	162	932	1652



Interline *inox*

ErP  Energy Class



SERIES ISSXAI 120÷500



Stainless steel floor-standing electric storage water heaters are designed to meet the new expectations as to durability and perfection. To this end, the “inox” (stainless steel) product line was introduced, providing maximum quality and durability owing to the use of special materials such as stainless steel and sophisticated technological solutions such as “TIG” and “Plasma” welding. The insulation layer is made of very thick high-density polyurethane (PU) foam to minimize heat loss. They are ideal for collective and industrial use.



- AISI 316L stainless steel tank pickled and passivated, welded with “TIG” and “Plasma” technology
- Ø 100x150 mm frontal inspection hatch (Type 120-160-200)
- Ø 134 mm frontal inspection hatch (Type 300-400-500)
- INCOLOY 825 stainless steel heating element 230V~ and 400/3V~
- Regulation and safety rod thermostat
- CFC and HCFC-free very thick polyurethane (PU) foam insulation layer
- External soft plastic coating (PVC), gray RAL 9006
- Stored water temperature indicator

WARRANTY:

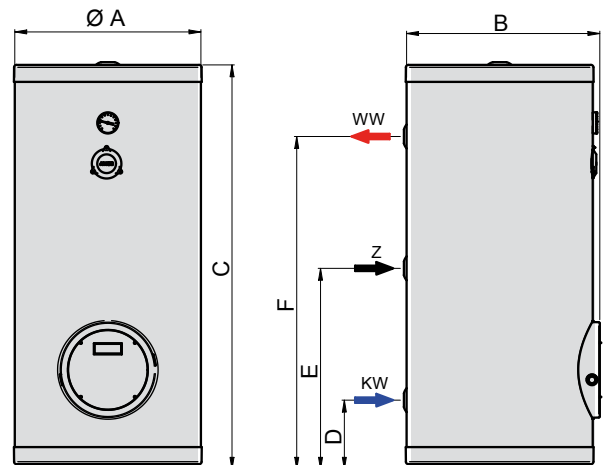
- 2 YEARS ON THE TANK AND COMPONENTS

Type	Capacity	Code	Power	Voltage	Heating time ΔT=50°C	Energy Class	Test Profile
	l	/	kW	V~	min		
ISSXAI 120	120	IU000035	2,0	230	220	C	L
ISSXAI 160	160	IU000036	2,0	230	294	C	L
ISSXAI 200	200	IU000037	2,0	230	367	C	L
ISSXAI 300/3	300	IU000058	4,0	400/3	275	C	L
ISSXAI 400/3	400	IU000059	8,0	400/3	183	C	XL
ISSXAI 500/3	500	IU000061	10,0	400/3	183	C	XL

Type	Max. Temp. Operation	Max. Oper. pressure ¹⁻²	Net weight	Hydraulic connection	A	B	C	D	E	F
	°C	MPa	kg	KW-WW-Z	mm	mm	mm	mm	mm	mm
ISSXAI 120	75	1,0/2,0	26	Rp ¾"	550	571	924	203	463	728
ISSXAI 160	75	1,0/2,0	32	Rp ¾"	550	571	1174	203	591	978
ISSXAI 200	75	1,0/2,0	35	Rp ¾"	550	571	1524	203	729	1328
ISSXAI 300/3	75	0,6/1,2	69	Rp 1"	650	675	1526	228	803	1283
ISSXAI 400/3	75	0,6/1,2	74	Rp 1"	750	775	1530	263	763	1248
ISSXAI 500/3	75	0,6/1,2	84	Rp 1"	750	775	1796	263	913	1513

Notes: ¹ Max. operating pressure, ² Max. pressure test according to EN 12897 P.4.4.1

ACCESSORIES PP. 89 STAINLESS STEEL ELEMENT





WOOD-FIRED WATER HEATERS

The STRENGTHS of the product range in detail:



We have created an appliance that fully exploits the natural energy released by wood, using a water jacket collar on the flue of a fire heater, it is a traditional way of heating water and is extremely effective. Using a wood fired water heater means having heat available at a low cost and in an environmentally friendly way. It is an easy and inexpensive possibility to make a noticeable dent in your utility bill, available for wood SERIES LG, either in version combi wood-electric SERIES LGE to provide substantial savings on your annual hot water costs.



Magnesium anode

Featured in both models in the range, this anode makes for effective electrochemical tank protection.

Tank protection against wear

Thanks to the "flow-coating" enamelling process at 850°C for guaranteed internal protection.

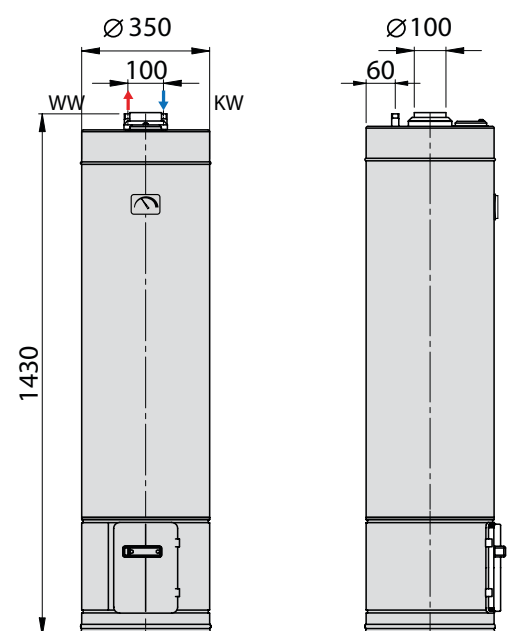
SERIES LG/LGE 80

- Storage tank of steel, glass-lined with "Blue Glass 4753" flow-coating method at 850°C WRAS (BS6920-1) and KTW-BWGL approved according to UBA specifications (German Environmental Agency)
- Corrosion-proof magnesium anode
- Combustion chamber made of refractory material with pull-out ash collecting device
- Enamelled sheet metal external combustion chamber coating
- Mineral wool insulation layer for reduced heat loss
- Armoured copper heating element, regulation and safety rod thermostat (wood-electric version only)
- External casing made of sheet metal coated with epoxy powder paint
- Stored water temperature indicator

WARRANTY:

- **3 YEARS ON THE TANKS**
- **2 YEARS ON THE OTHER COMPONENTS**

TECHNICAL DATA	U.M.	LG	LGE
Capacity	l	80	80
Code	/	161170	161172
Warranty	yr	3	3
Power	kW	-	1,2
Voltage	V~	-	230
Heating time (ΔT_{50} °C)	min.	-	245
Max. operating temperature	°C	90	90
Max. operating pressure	MPa	0,8	0,8
Net weight	kg	46	46
Hydraulic connections (KW-WW)	G	½"	½"



Notes: LG = wood-fired version / LGE = wood-electric version



STYLEBOILER

ACCESSORIES & KIT



Accessories & kit

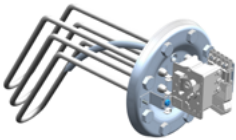
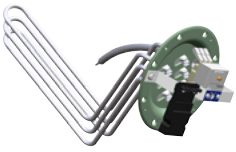
for electric water heater, indirect and buffer cylinders

	CODE	DESCRIPTION	
SERIES: ISSW 120÷500 ISSWW 200÷500 ISS 120÷500	070265	2,0 kW 230V ~ ELECTRIC KIT including: counter flange with 1" ¼ coupling, gasket, armoured copper heating element and thermostat (safety and regulation).	SINGLE - PHASE
		070266	
SERIES: ISSW 120÷500 ISSWW 200÷500 ISS 120÷500	070267	3,0 kW 400/3V ~ ELECTRIC KIT including: counter flange with 2" coupling, gasket, armoured copper heating element, complete thermostat (safety and regulation) with brackets and connectors.	THREE - PHASE
		070268	
	070269	5,0 kW 400/3V ~ ELECTRIC KIT including: counter flange with 2" coupling, gasket, armoured copper heating element, complete thermostat (safety and regulation) with brackets and connectors.	
SERIES : ISSW 200÷500 ISSWW 200÷500 ISSWP 200÷500 ISSWWP 400-500	071185	2,0 kW 230V ~ STAINLESS STEEL ELECTRIC KIT including: AISI 321 stainless steel heating element on 1"½ coupling, gasket, safety and regulation thermostat, electric cable and schuko plug, to be installed on the frontal threaded inlet.	SINGLE - PHASE
		071186	
SERIES : ISSWXA 120÷500 ISSWWXA 200÷500	RE000007	3,0 kW 230 V ~ ISOLATED STAINLESS STEEL ELECTRIC KIT including: INCOLOY 800 stainless steel heating element isolated on 1"½ coupling, gasket, safety and regulation thermostat, to be installed on the frontal threaded inlet.	
			

Accessories & kit

for electric water heater, indirect and buffer cylinders

	CODE	DESCRIPTION	
SERIES: ISSW 120÷500 ISSWW 200÷500 ISS 120÷500	AE000010	2,0 kW 230 V ~ STAINLESS STEEL ELECTRIC KIT (Ø 134 mm) Including: counter flange, gasket, incoloy 800 stainless steel three-part heating element, thermostat and supporting bracket. ATTENTION: not for models 600 - 2000 liters	SINGLE - PHASE THREE - PHASE THREE - PHASE THREE - PHASE
	070137	3,0÷6,0 kW 400/3V ~ STAINLESS STEEL ELECTRIC KIT (Ø 134 mm) Including: counter flange, gasket, incoloy 800 stainless steel three-part heating element, thermostat and supporting bracket. ATTENTION: not for models 600 - 2000 liters	
	070138	4,0÷8,0 kW 400/3V ~ STAINLESS STEEL ELECTRIC KIT (Ø 134 mm) Including: counter flange, gasket, incoloy 800 stainless steel three-part heating element, thermostat and supporting bracket. ATTENTION: not for models 600 - 2000 liters	
	070136	5,0÷10,0 kW 400/3V ~ STAINLESS STEEL ELECTRIC KIT (Ø 134 mm) Including: counter flange, gasket, incoloy 800 stainless steel three-part heating element, thermostat and supporting bracket. ATTENTION: not for models 600 - 2000 liters	
SERIES: ISSXA 300-400-500 ISSXAI 300-400-500	AE000027	ISOLATED ELECTRIC 4KW 400/3 Including: counter flange, gasket, incoloy 825 stainless steel three-part heating element, thermostat and supporting bracket. RECOMMENDED FOR SERIES 300-400-500	THREE - PHASE THREE - PHASE THREE - PHASE THREE - PHASE
	AE000023	ISOLATED ELECTRIC 6KW 400/3 Including: counter flange, gasket, incoloy 825 stainless steel three-part heating element, thermostat and supporting bracket. RECOMMENDED FOR SERIES 300-400-500	
	AE000028	ISOLATED ELECTRIC 8KW 400/3 Including: counter flange, gasket, incoloy 825 stainless steel three-part heating element, thermostat and supporting bracket. RECOMMENDED FOR SERIES 400-500	
	AE000029	ISOLATED ELECTRIC 10KW 400/3 Including: counter flange, gasket, incoloy 825 stainless steel three-part heating element, thermostat and supporting bracket. RECOMMENDED FOR SERIES 500	
SERIES: ISSWP 200÷600 ISSWWP 400-500	071557	3,0÷6,0 kW 400/3V ~ STAINLESS STEEL ELECTRIC KIT (Ø 180 mm) Including: counter flange, gasket, incoloy 800 stainless steel three-part heating element, thermostat and supporting bracket.	THREE - PHASE
	071558	4,0÷8,0 kW 400/3V ~ STAINLESS STEEL ELECTRIC KIT (Ø 180 mm) Including: counter flange, gasket, incoloy 800 stainless steel three-part heating element, thermostat and supporting bracket.	
	071559	5,0÷10,0 kW 400/3V ~ STAINLESS STEEL ELECTRIC KIT (Ø 180 mm) Including: counter flange, gasket, incoloy 800 stainless steel three-part heating element, thermostat and supporting bracket.	



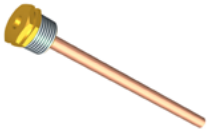


	CODE	DESCRIPTION	
SERIES: ISSW L 800÷2000 ISSWW L 800÷2000 ISSWP L 800-1000 ISSWWP L 800-1000		AE000001 3,0÷6,0 kW 400/3V~ STAINLESS STEEL ELECTRIC KIT (Ø 180 mm) Including: stainless steel counter flange Ø 180, gasket, incoloy 800 stainless steel three-partheating element, thermostat and supporting bracket and plastic cover to protect the electric parts.	THREE - PHASE
		AE000002 4,0÷8,0 kW 400/3V~ STAINLESS STEEL ELECTRIC KIT (Ø 180 mm) Including: stainless steel counter flange Ø 180, gasket, incoloy 800 stainless steel three-partheating element, thermostat and supporting bracket and plastic cover to protect the electric parts.	
		AE000003 5,0÷10,0 kW 400/3V~ STAINLESS STEEL ELECTRIC KIT (Ø 180 mm) Including: stainless steel counter flange Ø 180, gasket, incoloy 800 stainless steel three-partheating element, thermostat and supporting bracket and plastic cover to protect the electric parts.	
SERIES: ISSXAI 120-160-200 ISSXA 120-160-200 ISSWXA 120÷500 ISSWWXA 200÷500		AM000008 2,0 kW 230V ~ STAINLESS STEEL ELECTRIC KIT Including: 100x150mm stainless steel counterflange, gasket, Incoloy 825 (EN 2.4858) isolated electric element equipped with double bulb thermostat (safety and regulation)	SINGLE - PHASE
		AM000011 3,0 kW 230 V ~ STAINLESS STEEL ELECTRIC KIT (FL. Ø 100x150 mm) Including: 100x150mm stainless steel counterflange, gasket, Incoloy 825 (EN 2.4858) isolated electric element equipped with double bulb thermostat (safety and regulation) ATTENTION: not for models 120-160-200 liters	
SERIES: compatibility to be checked at the time of purchase		071000 3,0 kW 400/3 V~ STAINLESS STEEL ELECTRIC KIT Including: INCOLOY 825 stainless steel heating element on 1"½ coupling, gasket, safety and external regulation thermostat, electric cable, to be installed on the frontal threaded inlet.	THREE - PHASE
		071001 6,0 kW 400/3 V~STAINLESS STEEL ELECTRIC KIT Including: INCOLOY 825 stainless steel heating element on 1"½ coupling, gasket, safety and external regulation thermostat, electric cable, to be installed on the frontal threaded inlet.	
		071002 9,0 kW 400/3 V~ STAINLESS STEEL ELECTRIC KIT Including: INCOLOY 825 stainless steel heating element on 1"½ coupling, gasket, safety and external regulation thermostat, electric cable, to be installed on the frontal threaded inlet.	
SERIES: ISSWXA 120÷500 ISSWWXA 200÷500		080294 ELECTRONIC ANODE KIT Including: Titanium rod, 1 ½" threaded plug, O-ring , plastic cover, control box and power cable. Dynamic system for the active tank protection against corrosion.	
SERIES: ISSWXA 120÷500 ISSWWXA 200÷500		071172 THERMOSTAT PRIORITY KIT WITH TEMPERATURE REGULATION DIAL Including: plastic printed hatch cover, regulation thermostat (max T 63°C), cables and terminal connections.	

SERIES:
ISSW 120-160

031264 DRYWELL KIT (GLASS LINED TANK)

Bulb well for control sensor of the additional heat source. Length pipe 150 mm, Ø 7 mm internal welded on 1/2" threaded plug.



SERIES:
ISSW 120÷500
ISSWW 200÷500
ISSWP 200÷600
ISSWWP 400÷500

140611 CLOSING CAP FOR HEATING ELEMENT CONNECTION KIT
Including 1" 1/2 tap and gasket

Accessories & kit for heat pumps

SERIES:
FUTURA
Floor standing
and Floor standing Inox



CODE	DESCRIPTION
145131	EPP adapter Ø 190/210



145132	EPP duct extension Ø 180 length 500 mm
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145133	EPP duct extension Ø 180 length 500 mm
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145134	Elbow 45° EPP Ø 180
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145135	Elbow 90° EPP Ø 180
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POSSIBLE CONFIGURATIONS FOR AIR DUCTING:





SPARE PARTS

for electric water heater



CODE	DESCRIPTION
ELECTRIC HEATING ELEMENT	
Immersion heater, suitable for series: 35-50-80-100 lt. VS SMART INOX	
IG000041	5-hole counterflange in Stainless Steel equipped with 2kW isolated element
IG000042	5-hole counterflange in Stainless Steel equipped with 1,3kW isolated element
Immersion heater with anode-holder rod, suitable for series: Pony 10-15-30 (oversink); Vertical traditional 50 L	
071190	Element W1200 230V ANODE 18X100 + ORing
Immersion heater with anode-holder rod, suitable for series: Pony 10-15 (undersink)	
071210	Element sleeve 1-1/4" W1200 SL 18X100 + ORing
Immersion heater with anode-holder rod, suitable for series: Vertical traditional 80-100 L	
071176	Element W1200 230V ANODE 22X200 + ORing
Immersion heater, suitable for series: Wood-electric water heaters	
070011	Element W1200 LG740 / 290
THERMOSTAT	
Thermostat suitable for series: Pony 10-15-30 (oversink)	
070723	GREEN THERMOSTAT RTS Vertical traditional with external knob
Thermostat suitable for series: Pony 10-15 (undersink); Vertical traditional 30-50-80-100 lt.	
070722	RED THERMOSTAT RTS Vertical traditional with external knob
Thermostat suitable for series: Wood-electric water heaters	
070054	RED THERMOSTAT RTS
THERMOMETER	
Thermometer for vertical and horizontal models from 30 to 100 L; wood-fired water heaters	
090580	Thermometer diameter 70, internal 15-20 mm
Thermometer for horizontal models from 80 to 100 L	
090591	Thermometer diameter 70, internal 25 mm

Notes

Area for handwritten notes, consisting of 20 horizontal grey lines.



Be part of the **change**, rely on **Styleboiler's**
new technologies to join the **Green**
generation





2024

July

Italian Technology and Quality



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Web:

www.gionaholding.it
www.styleboiler.it



Headquarter
Giona Holding srl
 Via Apollo 11, 1
 37059 S. Maria di Zevio (VR)
 tel. + 39 045 6050099
 fax + 39 045 6050124