STYLEBOILER

Italian Technology and Quality

HEAT PUMPS INDIRECT CYLINDERS BUFFER CYLINDERS WATER HEATERS

March

2025

CATALOGUE

Italian Technology and Quality

STYLEBOILER

is a brand of GIONA HOLDING

HEAT PUMPS INDIRECT CYLINDERS BUFFER CYLINDERS WATER HEATERS

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CATALOGUE

Company

Styleboiler has nearly **fifity 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.


GIONA HOLDING

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.


CHILLER OUT
CHILLER IN
RAIN INLET
ISWW 1000 BOILER OUT
ISWW 1000 BOILER INLET
RUBINETTO DA MANTENERE CHIUSO
RUBINETTO DA MANTENERE APERTO O DISPOSITIVO DA VERIFICARE

CHILLER OUT
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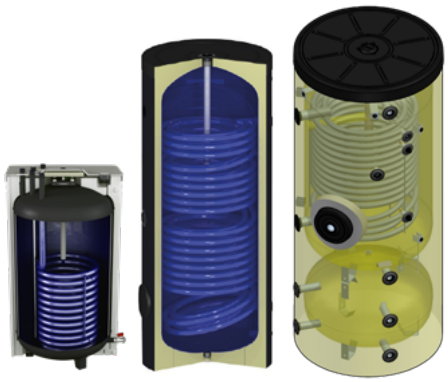
RUBINETTO DA MANTENERE APERTO O DISPOSITIVO DA VERIFICARE

Contents 2025

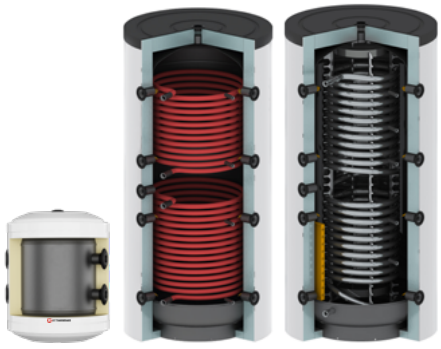
DOMESTIC HOT WATER HEAT PUMPS

STAINLESS STEEL INDIRECT CYLINDERS

GLASS-LINED INDIRECT CYLINDERS



BUFFER CYLINDERS



ELECTRIC AND WOOD-FIRED WATER HEATERS







ACCESSORIES AND KIT


Icon legend:

● = New products
● = New features

STYLEBOILER

HEAT PUMPS

EcoSyn

SERIES Ecosyn 80-100

ErP Energy Class A+

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 flow-coating method at 850°C**
- Corrosion-proof magnesium anode
- External casing made of sheet metal coated with (white) epoxy powder paint
- Verty 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
- Heat pump condenser coil wrapped outside the tank

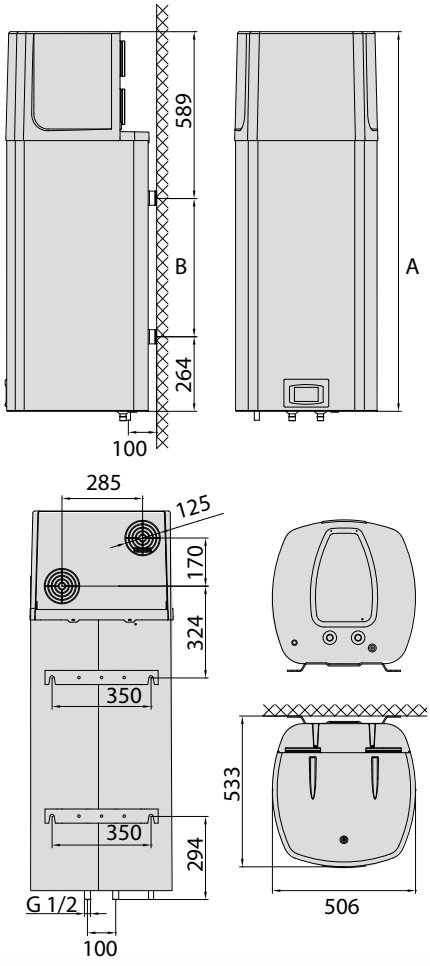
TOUCHSCREEN DISPLAY

WARRANTY:

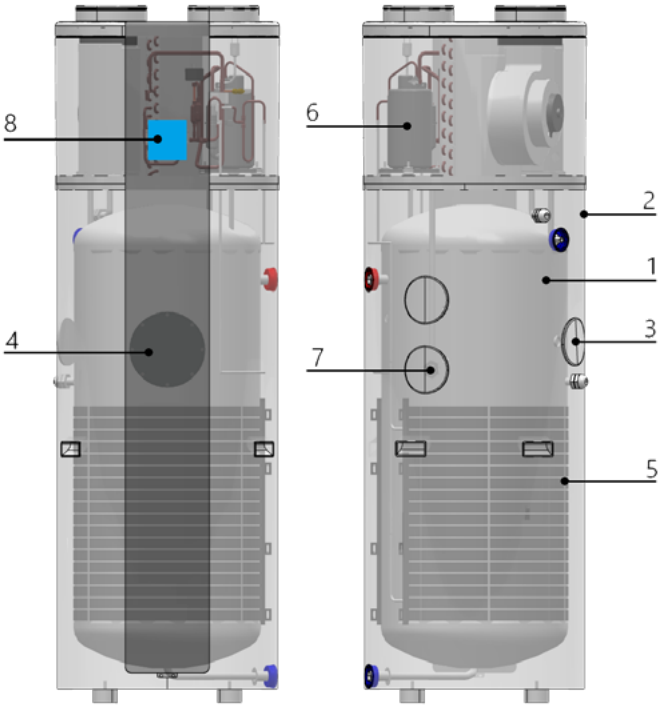
- **5 YEARS** ON THE TANKS
- **2 YEARS** ON THE OTHER COMPONENTS

TECHNICAL DATA		ECOSYN	
	Size	80	100
	Code	171910	171911
Capacity	l	78,2	97,9
Power supply	V~/Hz	230/50	230/50
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 Perfomance (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	ErP	A+	A+
ErP Test profile	ErP	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

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



Eco X



General Features

Air-source heat pump with integrated storage tank for domestic hot water production.

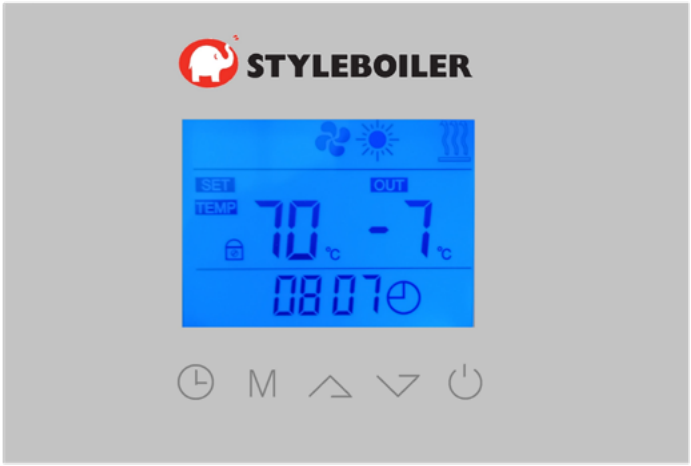
- Use of eco-friendly R290 gas for all models
- Water storage tank **1** in DUPLEX 2205 stainless steel with 50 mm polyurethane insulation
- External coating **2** in painted sheet metal RAL 9016
- Tank protection through Electronic Anode **3**
- Frontal inspection hatch **4**
- Floor standing installation
- Possibility of ducting intake and exhaust air through Ø 180mm circular ducts
- Micro-channel heat exchanger wrapped around the tank **5**
- Rotary hermetic compressor type **6**
- 1500 W supplementary heating element with selectable activation logic **7**
- Touch control panel with on-board machine interface and LCD display **8**
- Available operating modes: Eco, Auto, Boost, Electric, Fan
- Wi-Fi connection for remote control
- Preparation with configurable digital input for activation based on available photovoltaic energy
- Available with solar coil (models 200 W and 300 W) including software for solar pump management
- Programmable disinfection cycle

Unit Controller

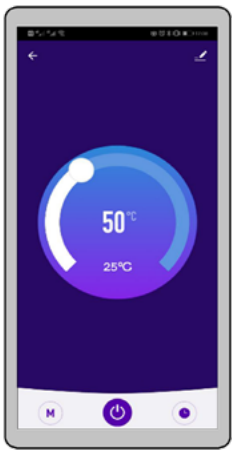
Two interface modes are available with the unit:
1) Parameter display via LCD screen, with selection and modification through touch-sensitive buttons on the machine interface

Display Area

User Interface

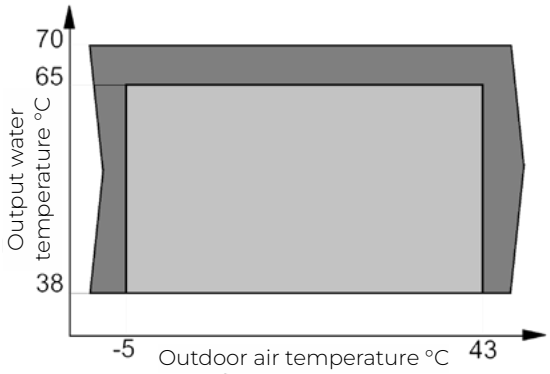


2) Via remote Wi-Fi connection and the dedicated **SMART LIFE** app, downloadable on a personal device.



Range of use

Operating temperatures: The operating range highlights areas where the heat pump can operate alone and where the integration resistance is necessary.



Heat pump operation

Integration heating element

Supply voltages: The units operate regularly within the following supply voltage range: 207 – 254 V

Working pressure:
Water tank 6 bar
Solar coil 10 bar

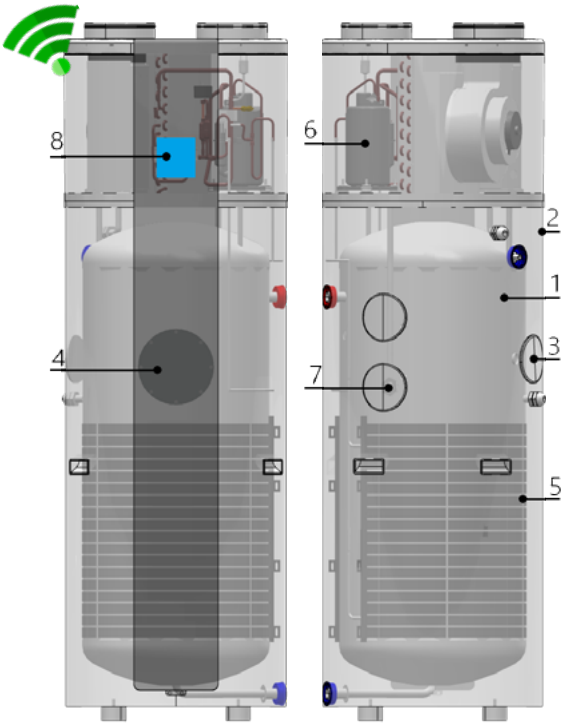
Futura Eco X floor standing

SERIES Futura Eco X 200-300

NEW PRODUCT

ErP Energy Class A++

It is an eco-friendly, cost-effective solution that enables energy savings. Suitable for both domestic and communal use.



- Use of eco-friendly R290 gas for all models
- Water storage tank **1** in DUPLEX 2205 stainless steel with 50 mm polyurethane insulation
- External coating **2** in painted sheet metal RAL 9016
- Tank protection through Electronic Anode **3**
- Frontal inspection hatch **4**
- Floor standing installation
- Possibility of ducting intake and exhaust air through Ø 180mm circular ducts
- Micro-channel heat exchanger wrapped around the tank **5**
- Rotary hermetic compressor type **6**
- 1500 W supplementary heating element with selectable activation logic **7**
- Touch control panel with on-board machine interface and LCD display **8**
- Available operating modes: Eco, Auto, Boost, Electric, Fan
- Wi-Fi connection for remote control
- Preparation with configurable digital input for activation based on available photovoltaic energy
- Programmable disinfection cycle

ACCESSORIES PP. 91

WARRANTY:

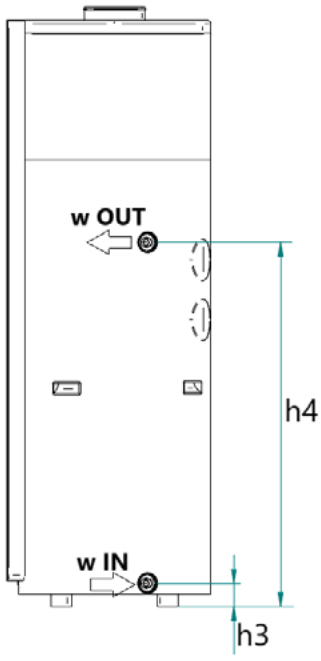
- **5 YEARS** ON THE TANK
- **2 YEARS** ON THE OTHER COMPONENTS

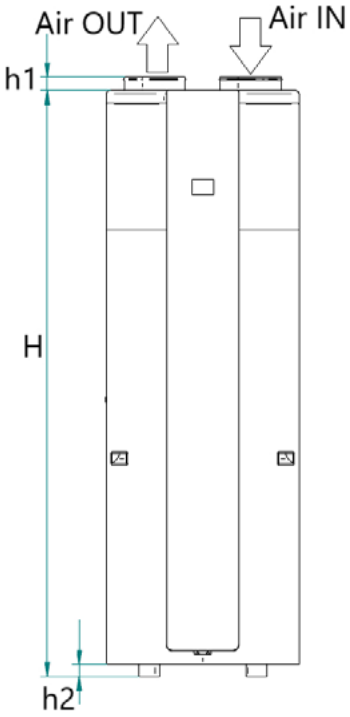
TITANIUM ELECTRONIC ANODE

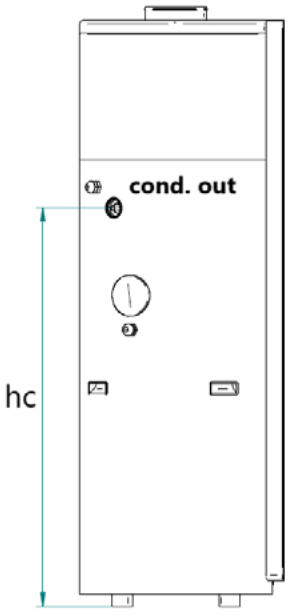
TECHNICAL DATA	Size	FUTURA ECO X 200	FUTURA ECO X 300
	Code	IU000135	IU000137
Capacity	l	207	285
Power supply	V~/Hz	230/50	230/50
Refrigerant type / GWP / Charge	type / GWP / GR	R290 / 3 / 150	
Average power generated by the heat pump	W	1500	1500
Average absorption only heat pump	W	700	700
COP*	W/W	3,69	3,24
Integration heating element power	W	1500	1500
Maximum absorption	W	2200	2200
Heating time	h:min	07:45	11:49
ErP Energy Class	ErP	A++	A+
ErP Load profile	ErP	L	XL
Net weight	kg	80	85
Sound power level	dB(A)	51	51

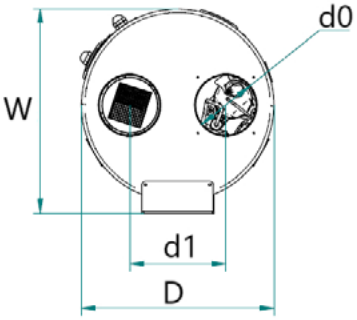
*Test in accordance with EN16147-2017 standard with an air inlet temperature of 7°C (6°C), storage boiler ambient temperature of 20°C, water heating from 10°C to 55°C.

DIMENSIONS	Ref	U.M.	200	300
Total height of the unit	H	mm	1705	1990
Tank diameter	D	mm	560	600
Maximum frontal dimension	W	mm	594	634
Diameter of air ducts	do	mm	177	177
Center distance of air ducts	d1	mm	279	320
Height of air duct collar	h1	mm	40	40
Height rubber supports	h2	mm	35	35
Height domestic water inlet connection	h3	mm	67,5	67,5
Height domestic water outlet connection	h4	mm	1060	1305
Height condensate drain connection	hc	mm	1160	1405
DHW inlet connection	w IN	"	G 3/4"	G 3/4"
DHW outlet connection	w OUT	"	G 3/4"	G 3/4"
Condensate drain connection	cond. out	mm	G 1/2"	G 1/2"









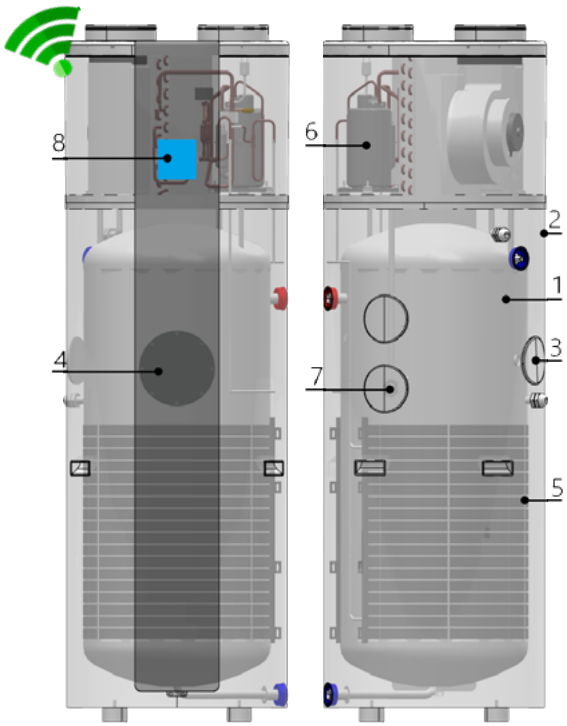
Futura Eco X 1 Coil

SERIES Futura Eco X 200-300 W

NEW PRODUCT

ErP Energy Class A++

It is an eco-friendly, cost-effective solution that enables energy savings. Suitable for both domestic and communal use.



- Use of eco-friendly R290 gas for all models
- Water storage tank **1** in DUPLEX 2205 stainless steel with 50 mm polyurethane insulation
- External coating **2** in painted sheet metal RAL 9016
- Tank protection through Electronic Anode **3**
- Frontal inspection hatch **4**
- Floor standing installation
- Possibility of ducting intake and exhaust air through Ø 180mm circular ducts
- Micro-channel heat exchanger wrapped around the tank **5**
- Rotary hermetic compressor type **6**
- 1500 W supplementary heating element with selectable activation logic **7**
- Touch control panel with on-board machine interface and LCD display **8**
- Available operating modes: Eco, Auto, Boost, Electric, Fan
- Wi-Fi connection for remote control
- Preparation with configurable digital input for activation based on available photovoltaic energy
- Fixed coil for integration with other heat sources and related control logic
- Programmable disinfection cycle

ACCESSORIES PP. 91

WARRANTY:

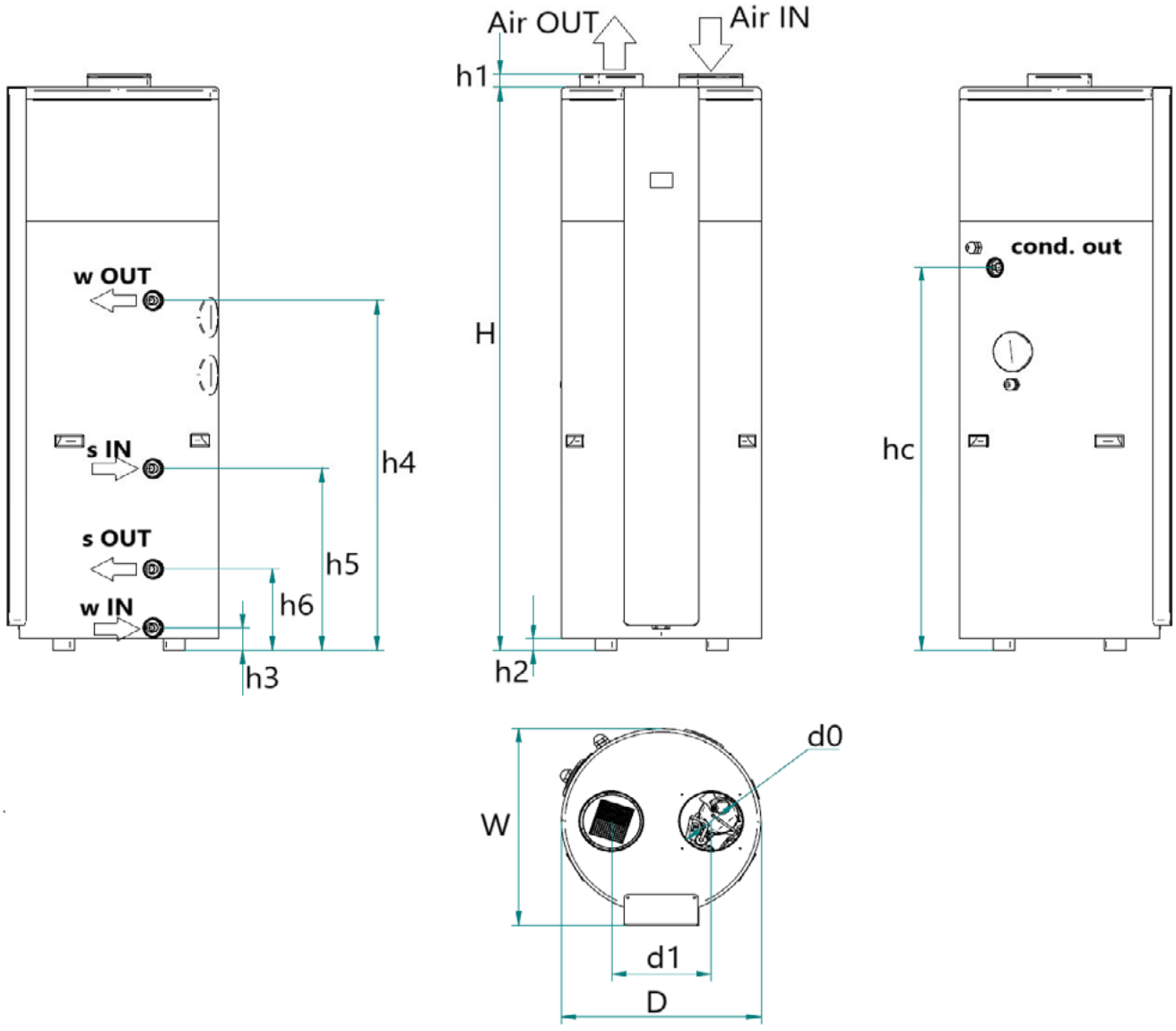
- **5 YEARS** ON THE TANK
- **2 YEARS** ON THE OTHER COMPONENTS

TITANIUM ELECTRONIC ANODE

TECHNICAL DATA	Size	FUTURA W ECO X 200	FUTURA W ECO X 300
	Code	IU000136	IU000138
Capacity	l	207	285
Power supply	V~/Hz	230/50	230/50
Refrigerant type / GWP / Charge	type / GWP / GR	R290 / 3 / 150	
Average power generated by the heat pump	W	1500	1500
Average absorption only heat pump	W	700	700
COP*	W/W	3,69	3,24
Integration heating element power	W	1500	1500
Maximum absorption	W	2200	2200
Heating time	h:min	07:45	11:49
ErP Energy Class	ErP	A++	A+
ErP Load profile	ErP	L	XL
Net weight	kg	85	90
Heat exchanger connection diameter	inch	G 3/4 "	G 3/4 "
Heat exchange surface	m^2	0,7	0,7
Sound power level	dB(A)	51	51

*Test in accordance with EN16147-2017 standard with an air inlet temperature of 7°C (6°C), storage boiler ambient temperature of 20°C, water heating from 10°C to 55°C.

DIMENSIONS	Ref	U.M.	200 W	300 W
Total height of the unit	H	mm	1705	1990
Tank diameter	D	mm	560	600
Maximum frontal dimension	W	mm	594	634
Diameter of air ducts	do	mm	177	177
Center distance of air ducts	d1	mm	279	320
Height of air duct collar	h1	mm	40	40
Height rubber supports	h2	mm	35	35
Height domestic water inlet connection	h3	mm	67,5	67,5
Height domestic water outlet connection	h4	mm	1060	1305
Heat exchanger inlet connection height	h5	mm	545	890
Heat exchanger outler connection height	h6	mm	285	270
Height condensate drain connection	hc	mm	1160	1405
DHW inlet connection	w IN	"	G 3/4"	G 3/4"
DHW outlet connection	w OUT	"	G 3/4"	G 3/4"
Heat exchanger inlet connection	s IN	"	G 3/4"	G 3/4"
Heat exchanger outlet connection	s OUT	"	G 3/4"	G 3/4"
Condensate drain connection	cond. out	mm	G 1/2"	G 1/2"



STYLEBOILER

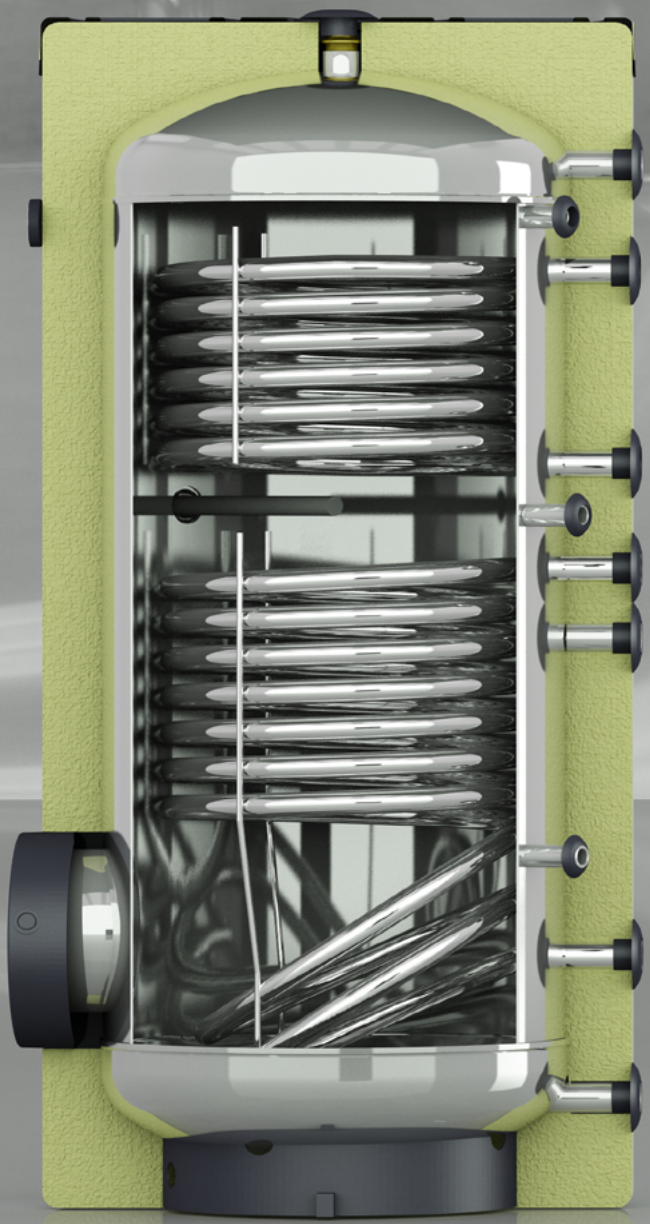
STAINLESS STEEL

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 1000 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 inox
1 Coil

ErP Energy Class B

SERIES ISSWXA 120÷1000 +Upgrades

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**
- Front inspection hatch (100x150 mm) for 120-500 liters models
- Front inspection hatch (DN 180) for 750-1000 liters models
- Coil with lowered turns to optimize heat exchange and reduce limescale formation
- Option for electronic anode installation (optional)
- External coating in grey PVC material (RAL 7001) for 120 to 500 liters models
- External coating in white ABS material (RAL 9010) for 750 to 1000 liters models
- Hydraulic fittings positioned at the rear
- High-thickness, high-energy-efficiency polyurethane (PU) foam insulation (λ = 0.022 W/mK) for 120-500 liters models
- Removable graphite EPS insulation (for 750-1000 liters models)
- Adjustable feet for floor standing
- 1” ½ connection for heating element integration kit
- Probe holder connections
- Recirculation fittings

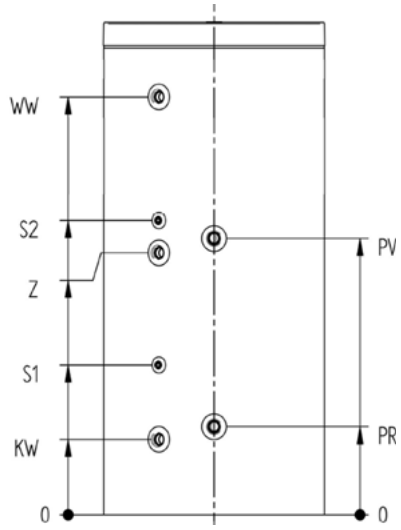
EN 1.4404 CE

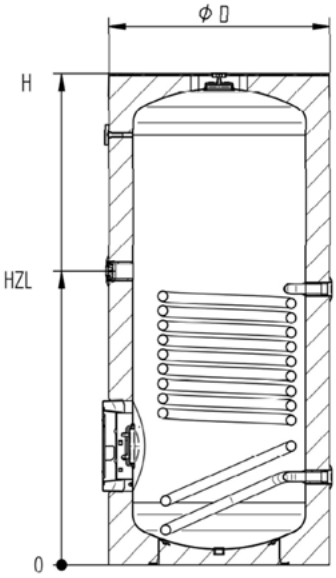
ACCESSORIES PP. 88

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

TECHNICAL DATA	Size	ISSWXA 120	160	200	300	400	500	750	1000
	Code	IU000147	IU000148	IU000149	IU000150	IU000151	IU000152	IU000153	IU000154
Capacity	l	115	149	208	307	425	495	741	953
Heat exchange surface	m^2	0,6	1,1	1,3	1,5	1,7	2,1	3,0	3,5
Power (ΔT35k)*	kW	27	36	41	61	69	79	107	112
D.H.W. production (ΔT35k)*	l/h	663	884	1007	1499	1695	1941	2629	2752
Heating time (ΔT35k)*	min.	11	11	12	13	15	16	18	22
Flow resistance	mbar	28	52	62	158	180	225	270	288
Primary flow rate	m^3/h	2	2	2	3	3	3	3	3
Insulation thickness	mm	≥50	≥50	≥75	≥75	≥75	≥75	≥105	≥105
ErP Energy Class	ErP	B	B	B	B	B	B	C	C
ErP Heat Loss Watt	W/h	45	52	55	65	73	80	105	120
Max. operating temperature	°C	95	95	95	95	95	95	95	95
Max. operating pressure[1/2]	MPa	0,6	1,0/2,0	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”	1 ¼”	1 ¼ “
Exchanger fittings (PV-PR)	Rp	1”	1”	1”	1”	1”	1”	1 ¼ ”	1 ¼”
Recirculation fittings (Z)	Rp	¾”	¾”	¾”	1”	1”	1”	¾”	¾”
Hydraulic connection temperature probes (S1,S2)	Rp	3/8”	3/8”	3/8”	3/8”	3/8”	3/8”	1/2”	1/2”
Heating element connection (HZL)	Rp	1 1/2"	1 1/2"	1 1/2"	1 1/2"	1 1/2"	1 1/2"	1 1/2"	1 1/2"
Inner Ø (S1,S2)	mm	9	9	9	9	9	9	-	-
Tilt height	mm	1075	1300	1470	1675	1700	1930	1840	2270

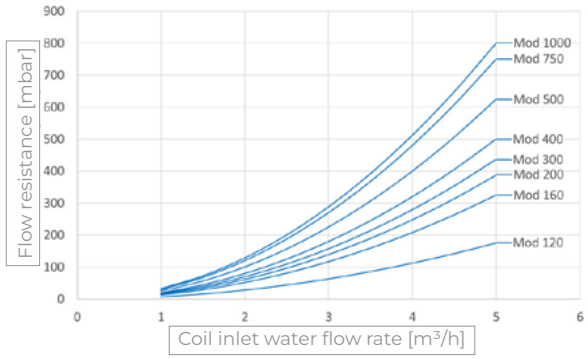
Notes: * Primary circuit temperature 80° / Secondary circuit temperature 10-45°C / Primary flow rate indicated in the table - D.H.W. = domestic hot water
Notes: [1] Max. operating pressure, [2] Max. pressure test according to EN 12897 P.4.4.1



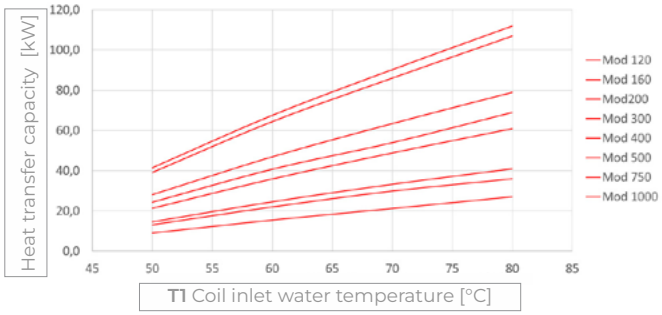


Ref	U.M.	ISSWXA 120	160	200	300	400	500	750	1000
ØD	mm	550	550	650	705	780X805	780X805	990	990
H	mm	924	1174	1310	1510	1518	1782	1854	2302
KW	mm	187	187	200	239	266	266	338	332
S1 / S2	mm	328 / 548	400 / 760	390 / 740	475 / 954	475 / 906	556 / 1031	688 / -	692 / -
Z	mm	447	576	600	814	766	891	1238	1532
WW	mm	712	962	1052	1294	1251	1516	1468	1910
PR / PV	mm	245 / 495	245 / 575	240 / 700	279 / 859	361 / 811	361 / 946	478 / 1108	472 / 1132
HZL	mm	543	763	750	914	881	1021	1178	1212

Flow resistance on coil



Maximum exchangeable power based on the **T1** inlet water temperature of the coil



Free Standing inoX
2 Coils

ErP Energy Class B

SERIES ISSWWXA 200÷500 +Upgrades

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
- Probe holder connections
- External coating in grey PVC material (RAL 7001)
- Recirculation fittings
- Hydraulic fittings positioned at the rear
- CFC and HCFC-free very thick polyurethane (PU) foam insulation layer (**λ** = 0,022 W/mK)
- Adjustable feet for floor standing
- 1” ½ connection for heating element integration kit
- Option for electronic anode installation (optional)

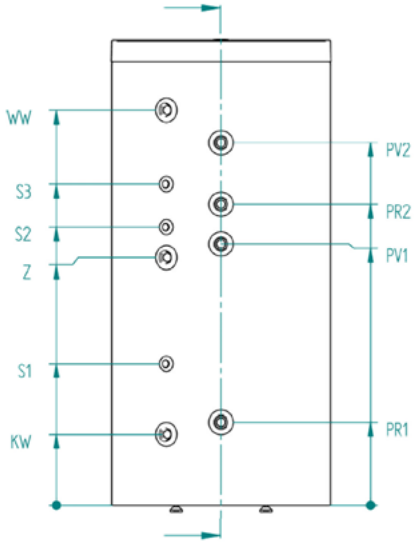
EN 1.4404 CE

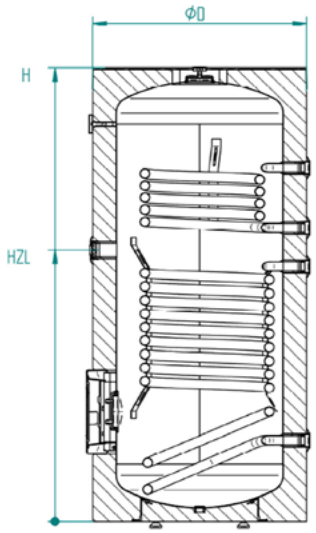
ACCESSORIES PP. 88

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

TECHNICAL DATA		ISSWWXA			
	Size	200	300	400	500
	Code	IU000155	IU000156	IU000157	IU000158
Capacity	l	203	302	425	487
Heat exchange surface bot./top	m2	1,3/0,5	1,5/0,7	1,7/0,7	2,1/1,0
Power (ΔT35k)* bot./top	kW	41/25	65/32	81/32	91/36
D.H.W. production (ΔT35k)* bot./top	l/h	1007/614	1597/786	1990/786	2236/884
Heating time (ΔT35k)* bot./top	min.	12/8**	12/10**	13/13**	14/14**
Flow resistance bot./top	mbar	140/110	178/130	183/130	235/117
Primary flow rate	m3/h	2,0	3,0	3,0	3,0
Insulation thickness	mm	≥75	≥75	≥75	≥75
ErP Energy Class	ErP	B	B	B	B
ErP Heat Loss Watt	W/h	55	65	73	80
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 fittings (Z)	Rp	¾”	1”	1”	1”
Hydraulic connection temperature probes (S1,S2,S3)	Rp	3/8”	3/8”	3/8”	3/8”
Inner Ø S1, S2, S3	mm	9	9	9	9
Tilt height	mm	1470	1675	1700	1930

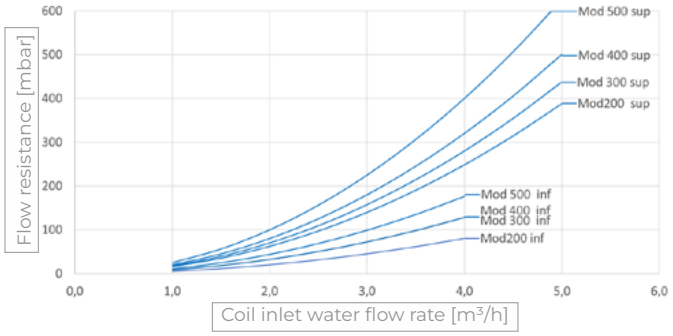
Notes: * Primary circuit temperature 80°C / Secondary circuit temperature 10/45°C / Primary flow rate indicated in the table / D.H.W. = Domestic hot water
Notes: ** Using only the top exchanger volume that is affected will be equal to 40% of the total accumulation
Notes: [1] Max. operating pressure, [2] Max. pressure test according to EN 12897 P.4.4.1



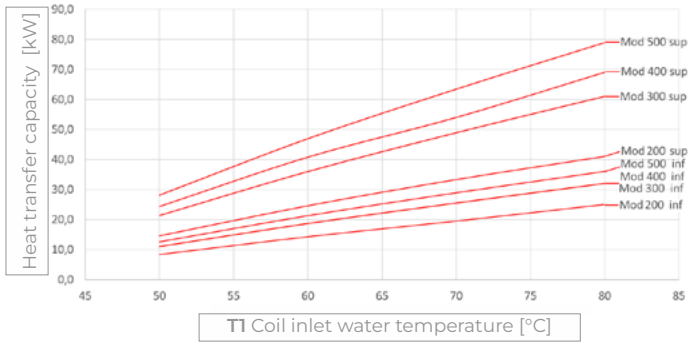


Ref	U.M.	ISSWWXA 200	300	400	500
ØD	mm	650	705	780X805	780X805
H	mm	1310	1510	1518	1782
KW	mm	200	239	266	266
S1 / S2 / S3	mm	415 / 765 / 934	475 / 954 / 1089	511 / 921 / 1051	556 / 1091 / 1226
Z	mm	625	814	766	891
WW	mm	1052	1294	1251	1516
PR1 / PR2	mm	265 / 837	279 / 989	361 / 971	361 / 1106
PV1 / PV2	mm	725 / 1037	859 / 1189	811 / 1131	946 / 1346
HZL	mm	775	914	881	1021

Flow resistance on coil



Maximum exchangeable power based on the **T1** inlet water temperature of the coil



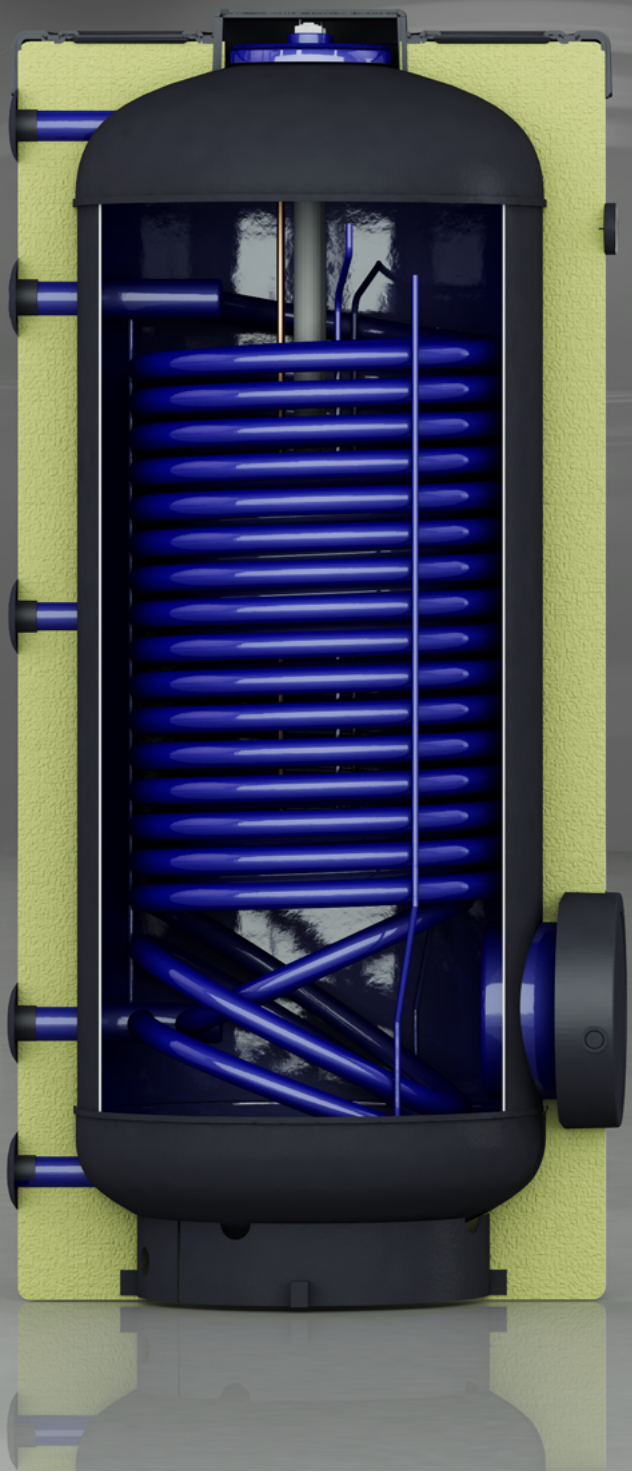
STYLEBOILER

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 solarpowered 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

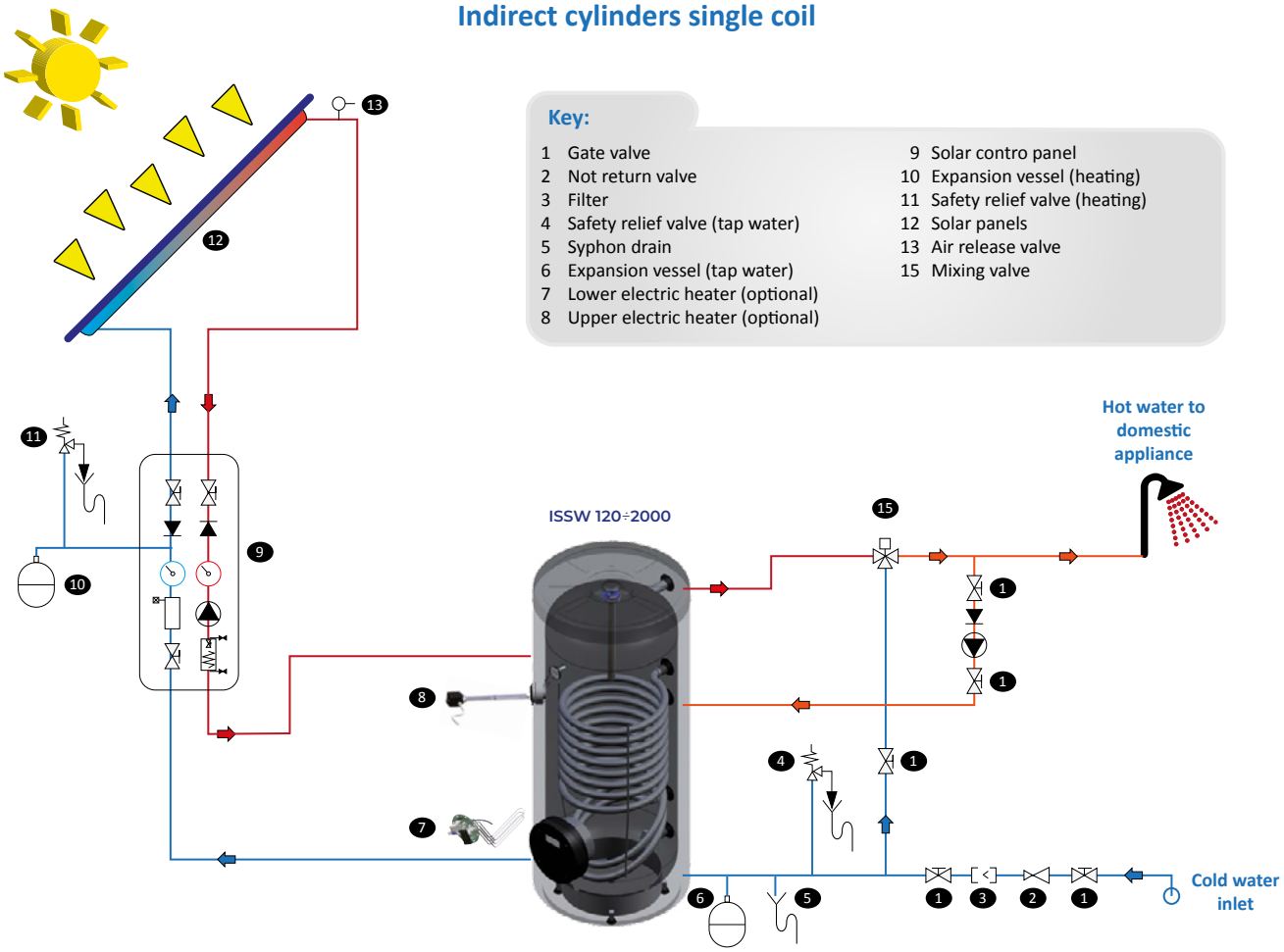
The products are insulated using polyurethane foam which has been certified with a fire resistance class B2 according to DIN 4102 (self-extinguishing).

Environmentally friendly

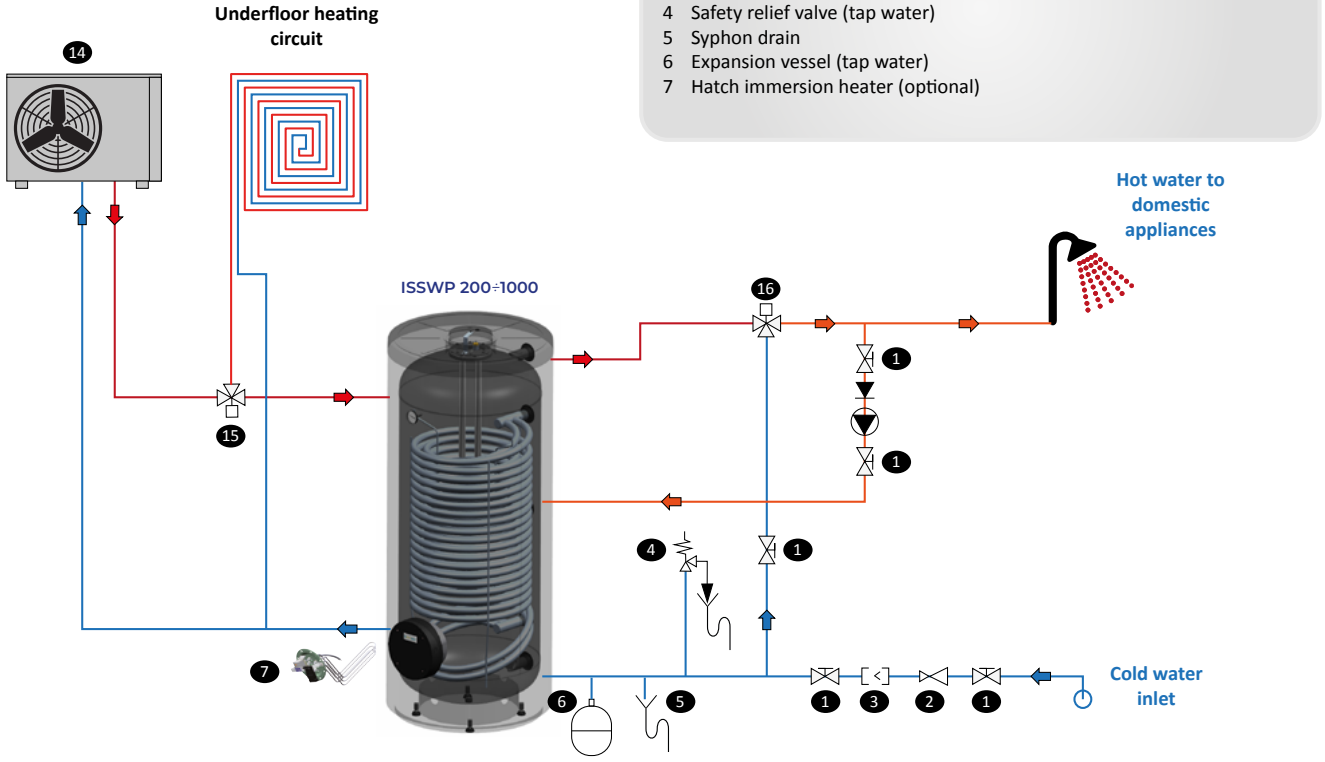
We strive to optimize our industrial activity while respecting the environment. To minimize the environmental impact of its products, it has abolished the use of chlorofluorocarbon (CFC-HCFC) in the insulation layer and makes continuous efforts to use recyclable components.

Example of hydraulic scheme

Indirect cylinders single coil

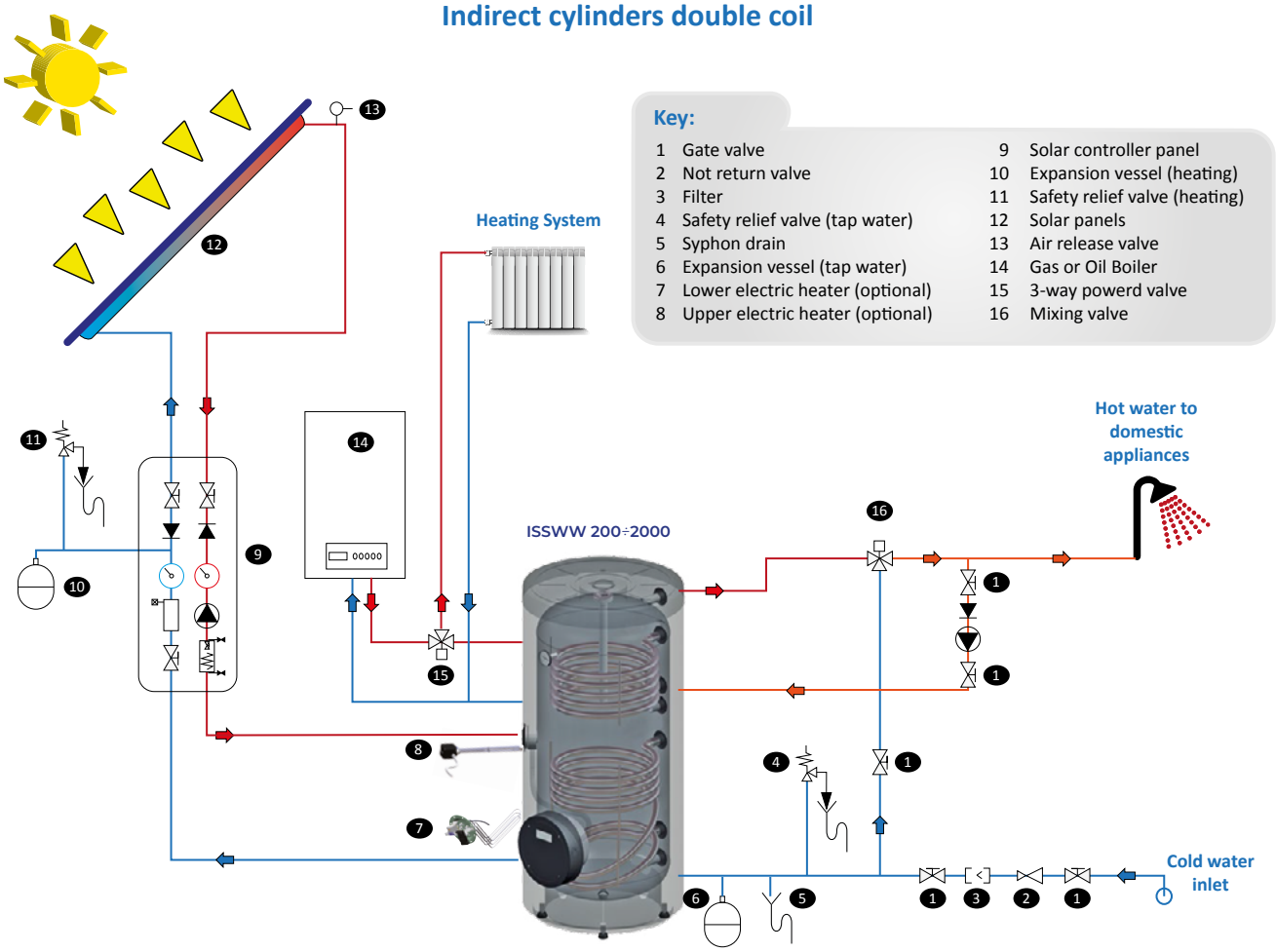


High capacity coil DHW tank



Example of hydraulic scheme

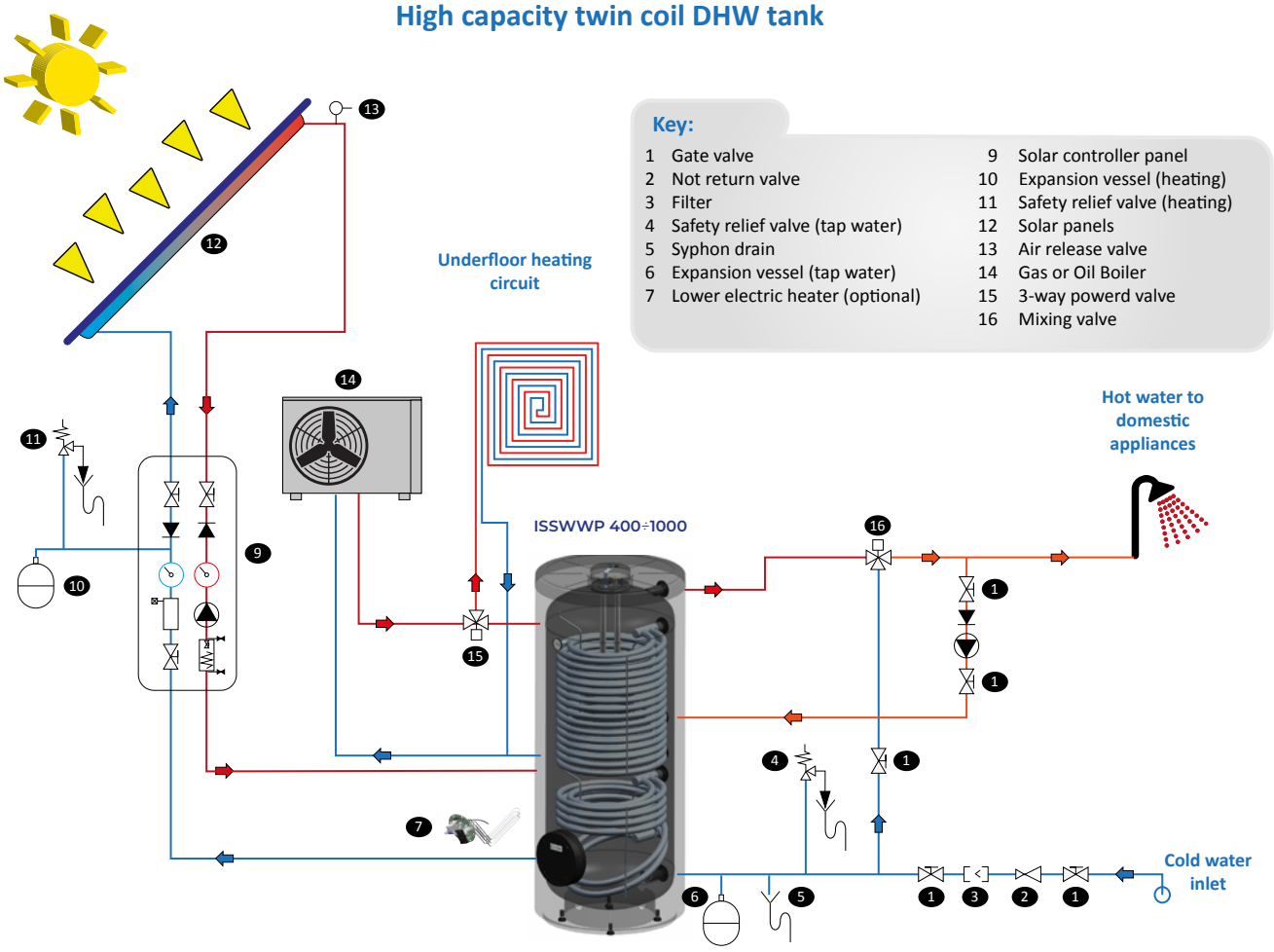
Indirect cylinders double coil



Key:

1	Gate valve	9	Solar controller panel
2	Not return valve	10	Expansion vessel (heating)
3	Filter	11	Safety relief valve (heating)
4	Safety relief valve (tap water)	12	Solar panels
5	Syphon drain	13	Air release valve
6	Expansion vessel (tap water)	14	Gas or Oil Boiler
7	Lower electric heater (optional)	15	3-way powerd valve
8	Upper electric heater (optional)	16	Mixing valve

High capacity twin coil DHW tank



Key:

1	Gate valve	9	Solar controller panel
2	Not return valve	10	Expansion vessel (heating)
3	Filter	11	Safety relief valve (heating)
4	Safety relief valve (tap water)	12	Solar panels
5	Syphon drain	13	Air release valve
6	Expansion vessel (tap water)	14	Gas or Oil Boiler
7	Lower electric heater (optional)	15	3-way powerd valve
		16	Mixing valve

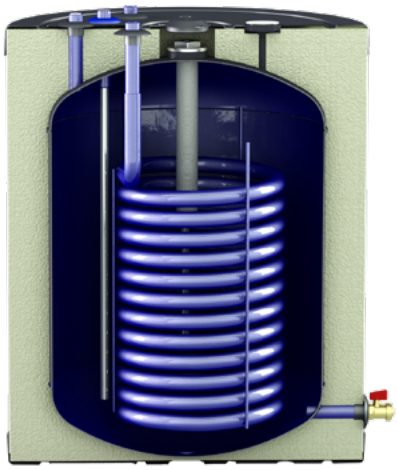
UNDERMOUNT HOT WATER TANK

Designed for energy efficiency

Undermount Efficiency Plus

SERIES ISSWTA 120 - 160

ErP Energy Class Up to A



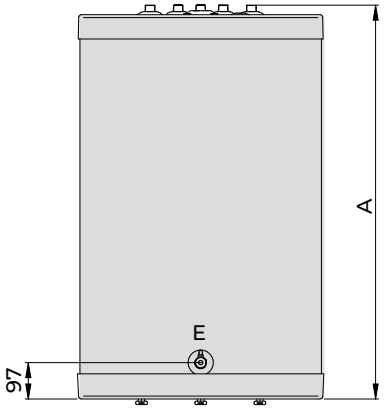
Vertical single coil storage indirect cylinders are designed to be combined with any wall-hung boiler for the production of large quantities of hot water despite space restrictions. The high efficiency thick isolation in PU has led us to reach class A, for maximum energy saving.

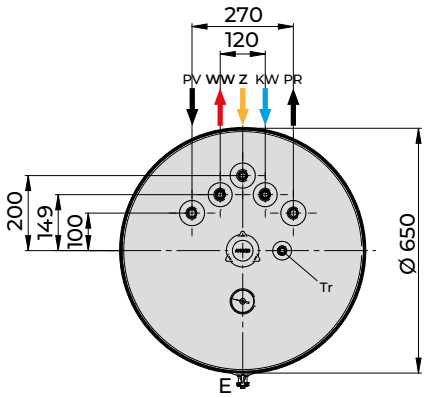
- **Storage tank of steel, glass-lined with "Blue Glass 4753" flow-coating method at 850°C WRAS (BS6920-1) and KTW-BWGL approved according to UBA specifications (German Environmental Agency)**
- High density very thick polyurethane (PU) foam for the utmost energy efficiency (Lambda 0,022 W/mK)
- Corrosion-proof 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:

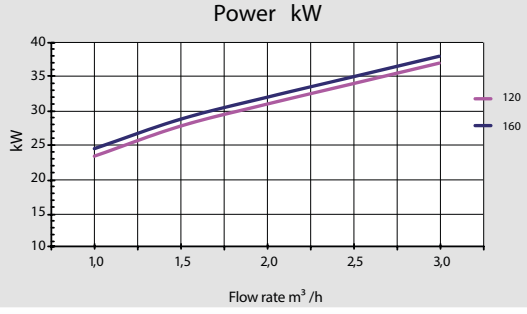
- **5 YEARS** ON THE TANK
- **2 YEARS** ON THE OTHER COMPONENTS

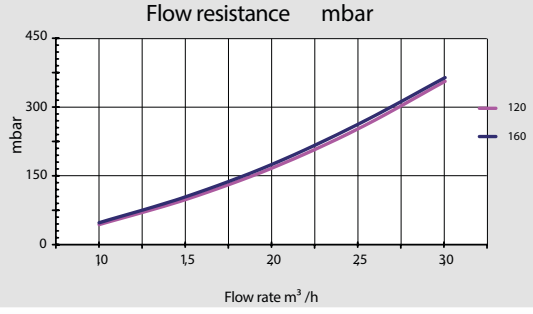
TECHNICAL DATA		ISSWTA	
	Size	120	160
	Code	186317	186318
Capacity	l	117	155
Heat exchange surface	m²	1,15	1,20
Primary power (ΔT 35 K)*	kW	32	32
D.H.W. production (ΔT 35 K)*	l/h	780	780
Heating time (ΔT 50 K)*	min	10	13
Flow resistance	mbar	170	172
Primary flow rate	m³/h	2,0	2,0
Insulation thickness	mm	≥75	≥75
ErP Energy Class	ErP	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"
Ø Dry-well (Tr)	mm	12	12
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 C

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.

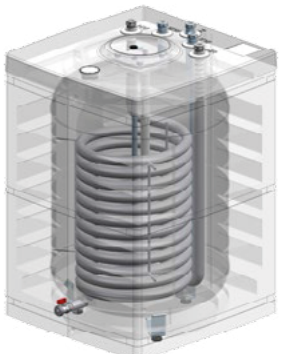
- **Storage tank of steel, glass-lined with "Blue Glass 4753" flow-coating method at 850°C WRAS (BS6920-1) and KTW-BWGL approved according to UBA specifications (German Environmental Agency)**
- Ø 84 mm top inspection flange complete with counter-flange and probe sheath (Tr)
- Corrosion-proof magnesium 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

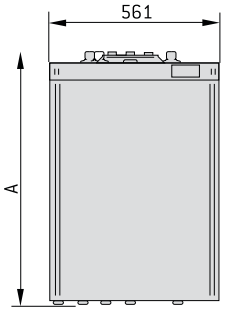
WARRANTY:

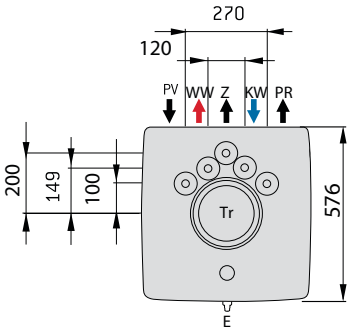
- **5 YEARS** ON THE TANK
- **2 YEARS** ON THE OTHER COMPONENTS

WRAS APPROVED PRODUCT

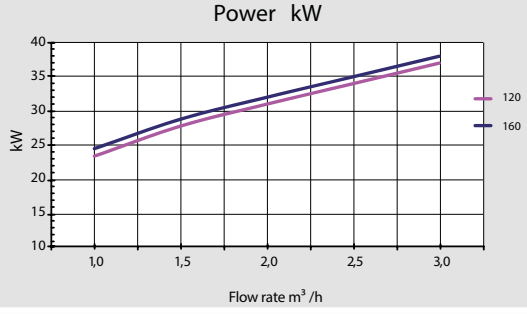
TECHNICAL DATA	Size	ISSWT 120	ISSWT 160
	Code	171936	171937
Capacity	l	117	155
Heat exchange surface	m²	1,15	1,20
Primary power (ΔT 35 K)*	kW	32	32
D.H.W. production (ΔT 35 K)*	l/h	780	780
Heating time (ΔT 50 K)*	min	10	13
Flow resistance	mbar	170	172
Primary flow rate	m³/h	2,0	2,0
Insulation thickness (EPS)	mm	>30	>30
ErP Energy Class	ErP	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

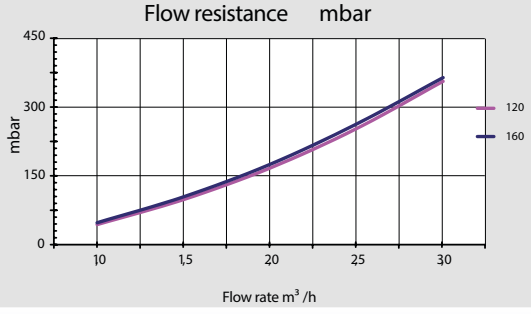






Notes: * Primary temperature 80°C / Secondary temperature 10-45°C / Primary capacity specified in the table / D.H.W = Domestic hot water
Notes: [1] Max. operating pressure, [2] Max. pressure test according to EN 12897 P.4.4.1





Free Standing 1 Coil

SERIES ISSW 120÷2000

ErP Energy Class Up to B

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
- Elettronic anode for SERIES 800÷2000
- Lowered coil for the maximum heat exchange process and to reduce the formation of limescale
- Recirculation fittings
- 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

ACCESSORIES PP. 88

WARRANTY:

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

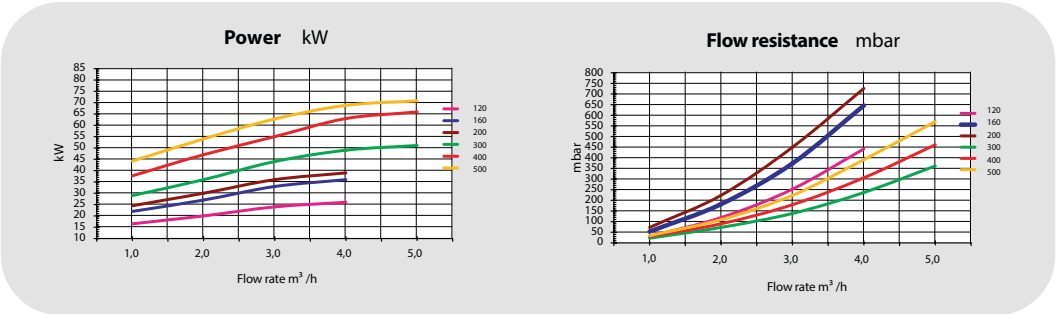
AVAILABLE ON REQUEST | AVAILABLE ON REQUEST

TECHNICAL DATA		ISSW									
	Size	120	160	200	300	400	500	800 L	1000 L	1500 L	2000 L
	Code	171942	171943	171944	171945	171946	171947	FU000033	FU000034	FU000035	FU000036
Capacity	l	114	162	205	299	407	492	804	905	1498	2055
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	ErP	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 fittings (Z)	mm	¾" / Rp	¾ / Rp"	¾" / Rp	¾" / Rp	¾" / Rp	¾" / Rp	1"	1"	1"	1"
Heating element connection (HZL2)	mm	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

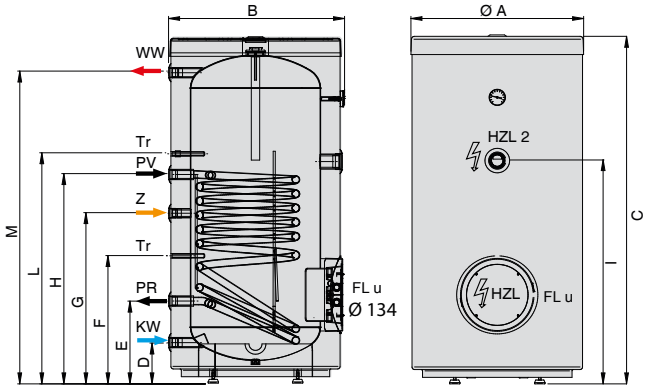
Notes: * Primary temperature 80°C / Secondary temperature 10-45°C / Primary flow rate specified in the table / D.H.W = Domestic hot water
Notes: [1] Max. operating pressure, [2] Max. pressure test according to EN 12897 P.4.4.1
**Using only the upper exchanger, the heating capacity will be equal to 40% of the total storage volume.

DIMENSIONS	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

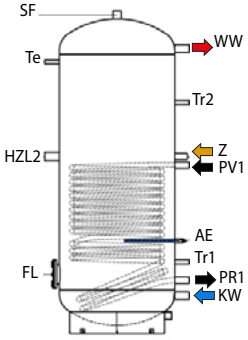
ISSW 120÷500



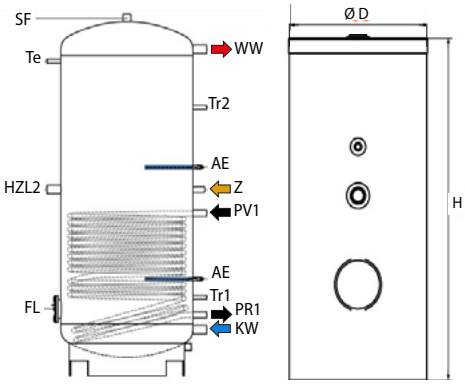
ISSW 120÷500



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

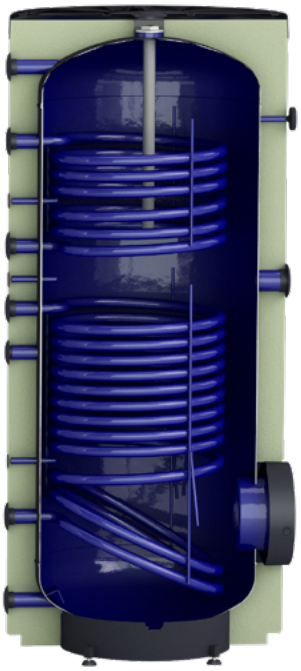
KEY

KW	Domestic cold water	Z	Recirculation fittings
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
FLu	Hatch Ø 134	Te	Thermometer
FL	Hatch Ø 180	SF	Air vent

Free Standing 2 Coils

SERIES ISSWW 200÷2000

ErP Energy Class Up to B



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
- Elettronic anode for SERIES 800÷2000
- Lowered coil for the maximum heat exchange process and to reduce the formation of limescale
- Recirculation fittings
- 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

ACCESSORIES PP. 88

WARRANTY:

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

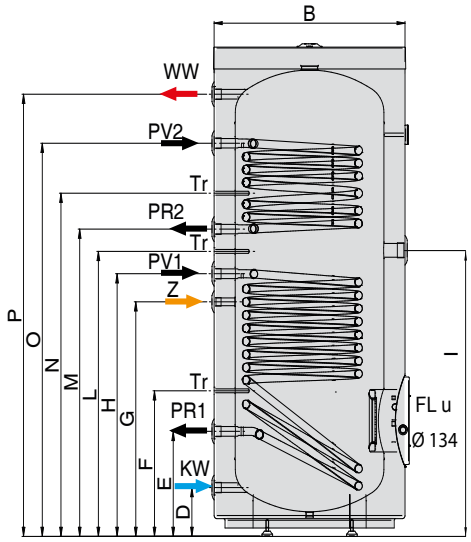
AVAILABLE ON REQUEST | AVAILABLE ON REQUEST

TECHNICAL DATA	Size	ISSWW 200	300	400	500	800 L	1000 L	1500 L	2000 L
	Code	171952	171953	171954	171955	FU000038	FU000039	FU000040	FU000041
Capacity	l	198	294	401	487	804	905	1498	2055
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 pressure[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	ErP	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 - Electtronic 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 fittings (Z)	mm	¾" / Rp	¾" / Rp	¾" / Rp	¾" / Rp	1"	1"	1"	1"
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

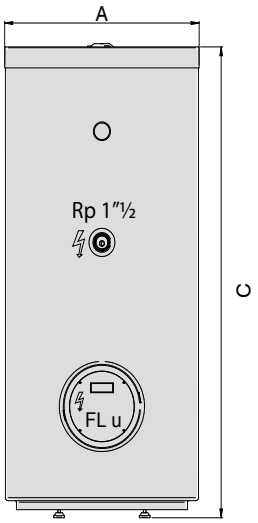
Notes: * Primary temperature 80°C / Secondary temperature 10-45°C / Primary flow rate specified in the table / D.H.W = Domestic hot water
Notes: ** Using only the top exchanger volume that is affected will be equal to 40% of the total accumulation
Notes: [1] Max. operating pressure, [2] Max. pressure test according to EN 12897 P.4.4.1

DIMENSIONS	Size	ISSWW 200	300	400	500
	Code	171952	171953	171954	171955
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
Tilt height	mm	1442	1675	1868	1950

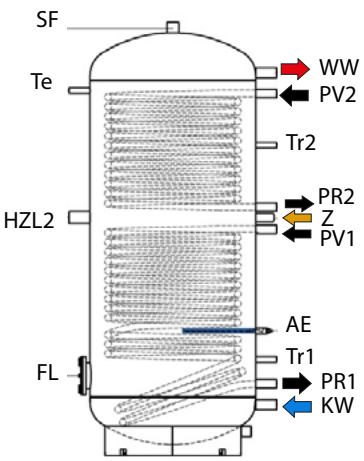
ISSWW 200÷500



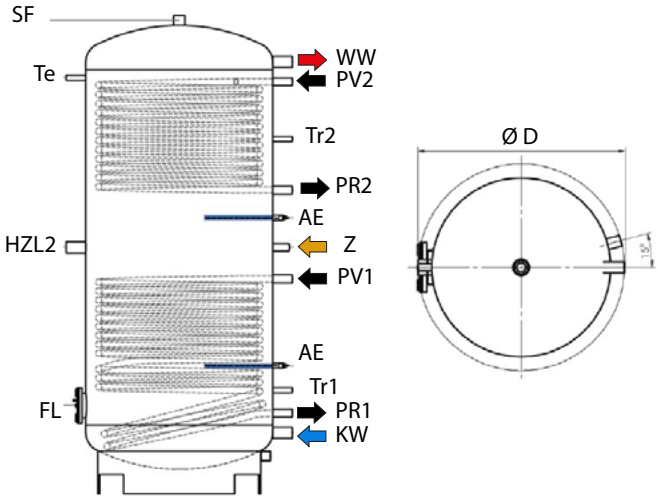
ISSWW 200÷500



ISSWW 800÷1000 L



ISSWW 1500÷2000 L



DIMENSIONS

2 COILS	KW	WW	PR1	PV1	PR2	PV2	Z	Tr1	Tr2	HZL2	Te	Ø D	C
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 fittings
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	FLu	Hatch Ø 134
FL	Hatch Ø 180	SF	Air vent

Free Standing 1 Double Wind

HIGH PERFOMANCE COIL

ErP Energy Class
Up to B

SERIES ISSWP 200÷1000

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-BW-GL approved according to UBA specifications (German Environmental Agency)**
- Frontal inspection hatch Ø 180 mm
- **HIGH Perfomance** 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**

ACCESSORIES PP. 88

WARRANTY:

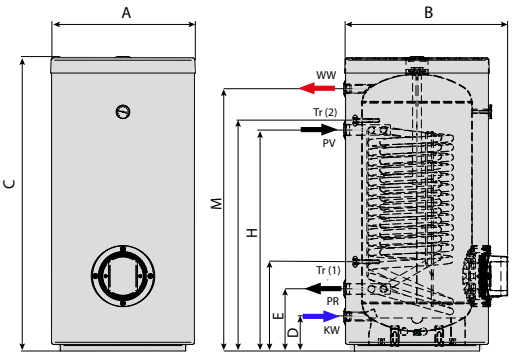
- **5 YEARS** ON THE TANK
- **2 YEARS** ON THE OTHER COMPONENTS

TECHNICAL DATA	Size	ISSWP						
		200	300	400	500	600	800 L	1000 L
	Code	FU000087	172484	172485	172486	172487	FU000042	FU000043
Capacity	l	208	286	383	475	572	804	905
Heat exchange surface	m²	2,0	3,1	4,9	5,7	6,3	7,7	8,5
Heat exchange surface (ΔT 35°C)*	kW	25,0	42,0	58,8	72,0	76,2	98,0	119,0
D.H.W. production heat exchanger (ΔT 35°C)*	l/h	614	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	ErP	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 pressure [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"¼	1"¼ Rp	1"¼ Rp	1"¼ Rp	1" ¼ Rp	1" ½ IG	1" ½ IG
Recirculation fittings (Z)	Rp	nd	¾" / Rp	¾" / Rp	¾" / Rp	¾" / Rp	1"	1"
Heating element connection (HZL2)	Rp	nd	1" ½ Rp	1" ½ Rp	1" ½ Rp	1" ½ Rp	1" ½ IG	1" ½ IG

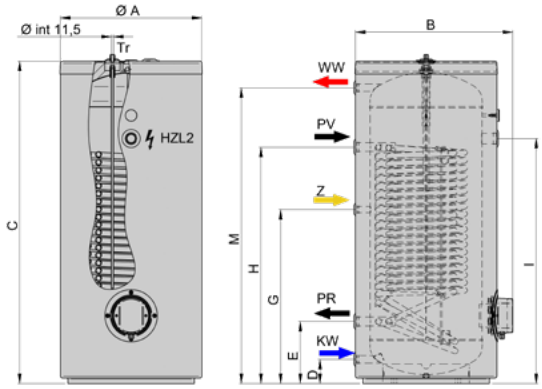
Note : [1] Max. operating pressure, [2] Max. pressure test according to EN 12897 P.4.4.1

DIMENSIONS	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	284	344	358	371	287
Dimensional values : G	mm	-	834	958	913	1182
Dimensional values : H	mm	1054	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	408	-	-	-	-
Dimensional values : Tr (2)	mm	1084	-	-	-	-
Tilt height	mm	1475	1675	1868	1950	1955

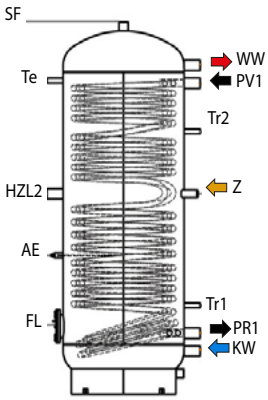
ISSWP 200



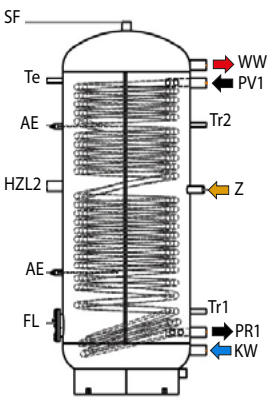
ISSWP 300÷600

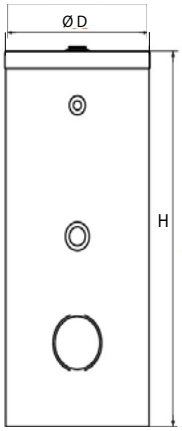


ISSWP 800 L



ISSWP 1000 L





PERFOMANCE 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]
		50 °C		60 °C		NL	Max Perfomance 10 min		D.H.W. Perfomance after 30 min		Inlet temperature 55 °C
		[kW]	[l/h]	[kW]	[l/h]	-	[l]	[l/min]	[l]	[l/min]	[l]
Coil	200	8,2	200	23,0	565	1,7	185	18,0	65	17,0	450
	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. Perfomance; 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

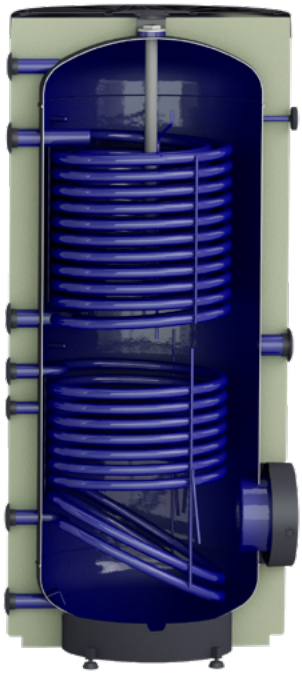
KEY

KW	Domestic cold water	Z	Recirculation fittings
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
FL	Hatch Ø 180	Te	Thermometer

Free Standing 2 Double Wind

SERIES ISSWWP 400÷1000

ErP Energy Class Up to B



HIGH PERFOMANCE 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 Ø 180 mm
- **HIGH Perfomance** 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
- Elettronic 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

ACCESSORIES PP. 88

WARRANTY:

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

TECHNICAL DATA	Size	ISSWWP 400	ISSWWP 500	ISSWWP 800 L	ISSWWP 1000 L
	Code	172488	172489	FU000044	FU000045
Capacity	l	390	480	804	905
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 pressure [1/2]	MPa	0,6/1,2	0,6/1,2	0,6/1,2	0,6/1,2
Net weight	kg	164	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 fittings (Z)	Rp	¾" / Rp	¾" / Rp	1"	1"
Attacco resistenza (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		

TITANIUM ELECTRONIC ANODE

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

DIMENSIONS	U.M.	ISSWWP 400	ISSWWP 500
Dimensional values : H	mm	785	758
Dimensional values : I	mm	853	810
Dimensional values : M	mm	928	873
Dimensional values : N	mm	1418	1465
Dimensional values : P	mm	1611	1658
Tilt height	mm	1870	1950

PERFOMANCE DATA

Upper coil

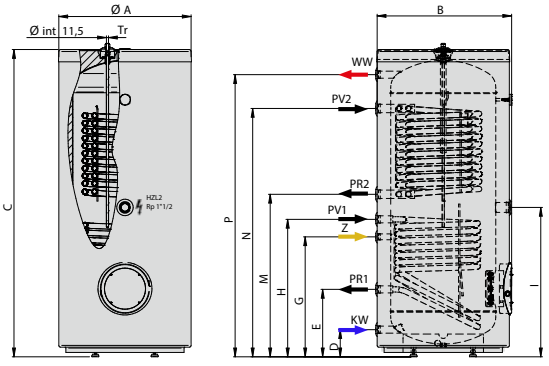
	Continuous D.H.W. production calculated with the following temperature [1]				Value as per DIN 4708 (NL data) [2]			D.H.W. production in 60 min [3]		
	50 °C		60 °C		NL	Max Perfomance 10 min		D.H.W. Perfomance after 30 min		Inlet temperature 55 °C
	[kW]	[l/h]	[kW]	[l/h]	-	[l]	[l/min]	[l]	[l/min]	[l]
400	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

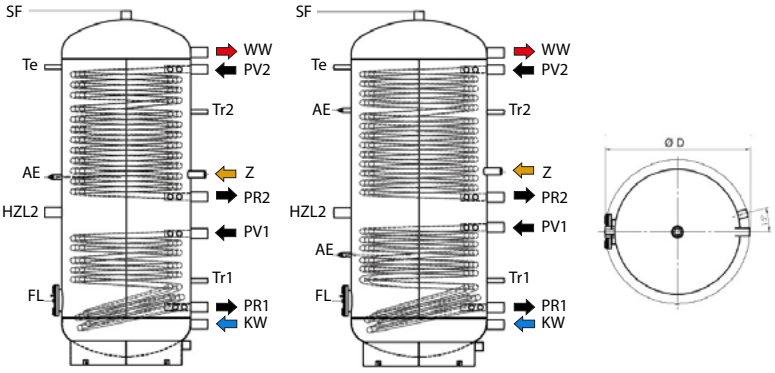
	Continuous D.H.W. production calculated with the following temperature [1]						Value as per DIN 4708 (NL data) [2]				D.H.W. production in 60 min [3]		
	50 °C		60 °C		70 °C		NL	Max Perfomance 10 min		D.H.W. Perfomance after 30 min		Inlet temperature 70 °C	
	[kW]	[l/h]	[kW]	[l/h]	[kW]	[l/h]		[l]	[l/min]	[l]	[l/min]	[l]	
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. Perfomance; Cold water from 10° up to 45; cylinder temperature at 60°C

ISSWWP 400-500



ISSWWP 800-1000 L



DIMENSIONS

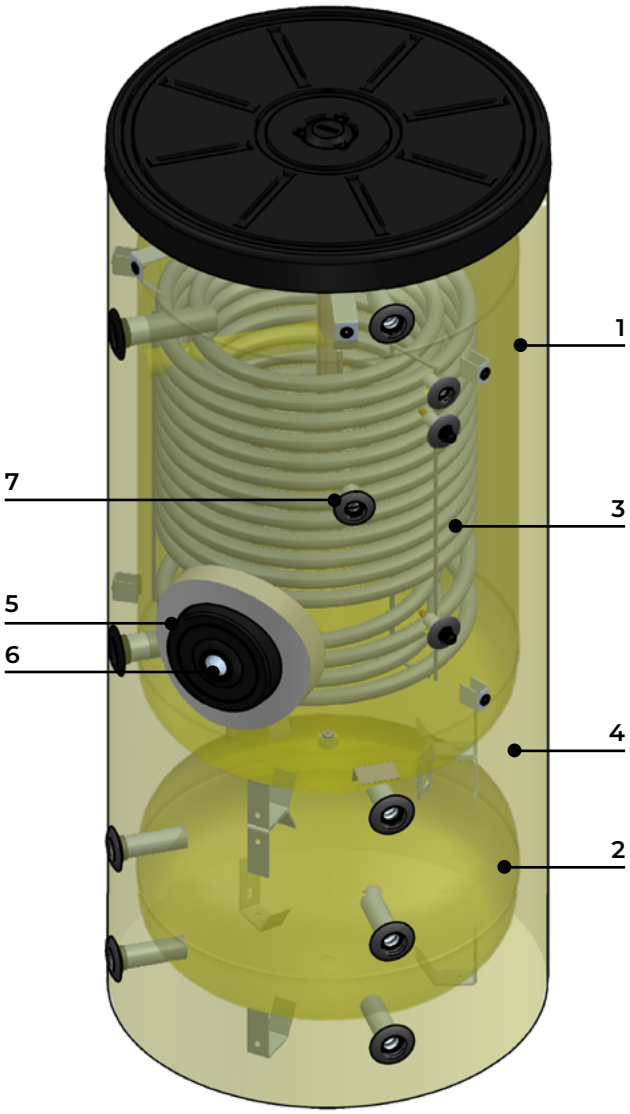
2 COILS	KW	WW	PR1	PV1	PR2	PV2	Z	Tr1	Tr2	HZL2	Te	Ø D	C
ISSWWP 800 L	237	1815	336	763	976	1716	1106	1106	1470	886	1730	950	2090
ISSWWP 1000 L	243	1820	342	807	982	1722	1132	1132	1476	892	1736	990	2090

KEY

KW	Domestic cold water	Z	Recirculation fittings
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	Hatch Ø 180 mm

NEW PRODUCT

Combo Tank



Applications

The COMBO units integrate two functions into a single unit:
- Indirect production of hot water for sanitary use
- Thermal storage with hydraulic circuit separation, particularly suitable for heating/cooling applications with heat pumps.

Materials

Tank **1** and heat exchanger **3** for sanitary water management are made of carbon steel S 235 J, coated with “Blue Glass 4753” enamel using the flow-coating method at 850°C, certified by WRAS (BS6920-1). The technical water storage tank **2** is made of raw S 235 J steel. The insulation **4** is made of polyurethane foam (PU) with an adequate thickness for operation with hot or chilled water.

Range

The range consists of 3 units with domestic water content of 178, 251 and 360 liters and a corresponding technical water content of 44, 57 and 64 liters.

Standard Equipment

The section related to DHW (Domestic Hot Water) production is equipped with an inspection flange **5** Ø DN 180. In the same section, there is a 1½” fitting for the insertion of an auxiliary electric resistance **6** and the presence of two wells for temperature reading **7**.
The section related to technical water includes 4 fittings of ¾” for the 200-liter model and 1” for the 300-liter and 400-liter models.

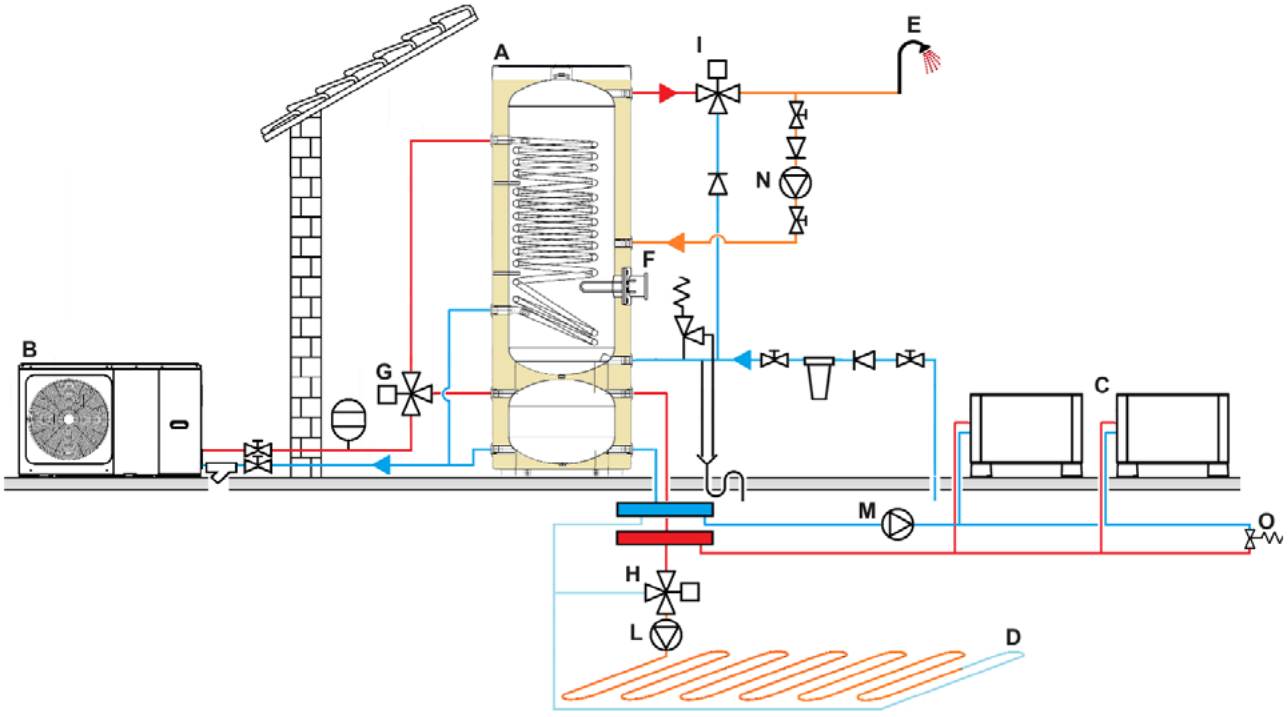
Protection systems

The section responsible for the production of domestic hot water includes a magnesium anode for cathodic protection. It also features a ½” auxiliary connection for the optional installation of an electronic anode (not included).

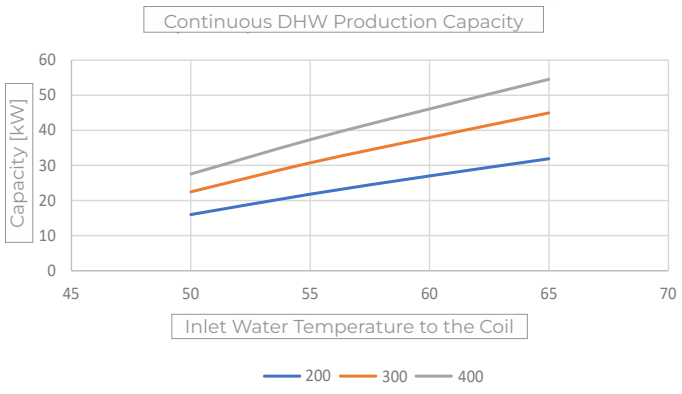
Accessories

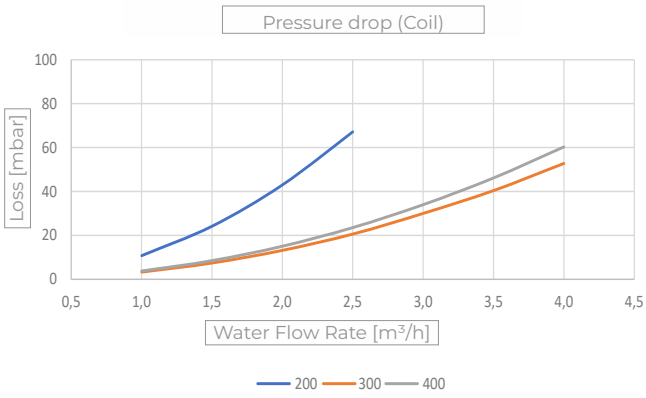
Electric kits are available to complement the heat exchanger for the production of domestic hot water.

Application Scheme



REF.	DESCRIPTION	REF.	DESCRIPTION
A	COMBO-TANK Unit	G	3-way diverting valve
B	Power generator - Heat pump	H	Three-way mixing valve
C	Direct air conditioning load	I	Thermostatic valve
D	Mixed air conditioning load	L	Circulator on mixed branch
E	Domestic hot water user	M	Circulator on direct branch
F	Electric integration generator	N	Circulator on the recirculation loop of the sanitary hot water system
O	Pressure Relief Valve		





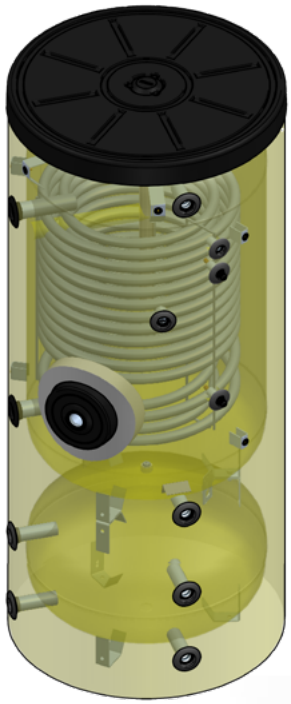
Combo Tank

SERIES ISSWC 200-300-400

NEW PRODUCT

ErP Energy Class B

The Combo Tank is the perfect solution for optimizing space by combining two separate tanks in heat pump-powered systems. Offered in three sizes, it provides the flexibility to meet diverse needs, making it the ideal choice for efficiently managing both heating and domestic hot-water requirements in a single, compact unit.



- DHW storage tank featuring a high-quality enameled coating, 'Blue Glass 4753,' certified WRAS (BS6920-1) and KTW-BWGL in compliance with UBA (German Environmental Agency) standards
- Buffer tank made of S 235 Jr carbon steel, engineered for optimal performance with water temperatures ranging from -5°C to 95°C
- External casing made of durable ABS RAL 9016
- Superior thermal insulation with eco-friendly rigid polyurethane foam (PU) with optimal thickness, designed for reliable operation with both hot and chilled water
- Flange for cleaning the tank or installing an electric heater
- Ideal for installation in buildings with underfloor heating systems

IDEAL FOR HEAT PUMPS · CE · WRAS

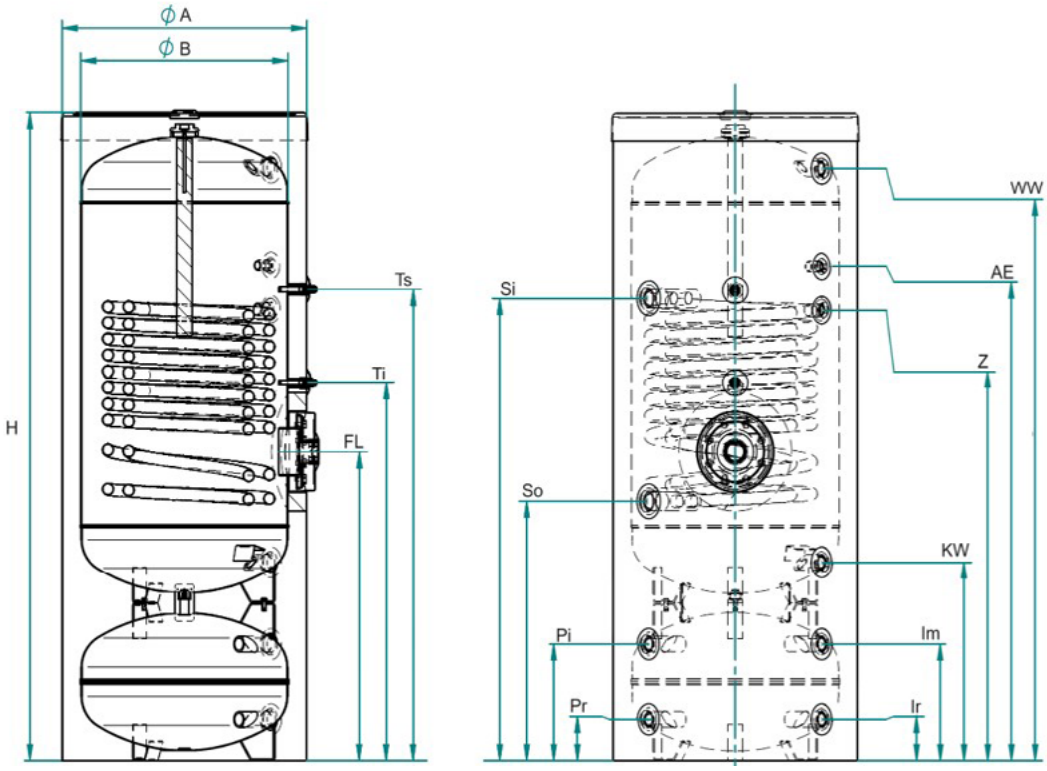
ACCESSORIES PP. 88

WARRANTY:

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

TECHNICAL DATA	Size	ISSWC 200	ISSWC 300	ISSWC 400
	Code	FU000102	FU000103	FU000104
DHW capacity	l	178	251	360
Heating capacity	l	44	56	63
Net weight (empty)	kg	83	120	165
Nominal power of the compatible heat pump	kW	6	10	14
Heat exchanger surface area	m^2	1,7	2,7	3,6
Reference water flow rate	m^3/h	2	3	3
Continuous production of domestic hot water (DHW)*	kW	27	38	46
Continuous production of domestic hot water (DHW)*	l/h	665	936	1133
Pressure drop	mbar	43	30	34
Heat exchanger content	l	13	21	26.5
Insulation thickness	mm	50	50	50
ErP Heat Loss Watt	W/h	58	66	74
Erp Energy Class	ErP	B	B	B
Maximum operating pressure for sanitary storage	bar	6	6	6
Maximum temperature for sanitary storage	°C	95	95	95
Maximum operating pressure for the heat exchanger	bar	10	10	10
Maximum temperature for the heat exchanger	°C	105	105	105
Maximum operating pressure for the thermal buffer tank	bar	4	4	4
Maximum technical water temperature	°C	95	95	95
Minimum technical water temperature	°C	-5	-5	-5

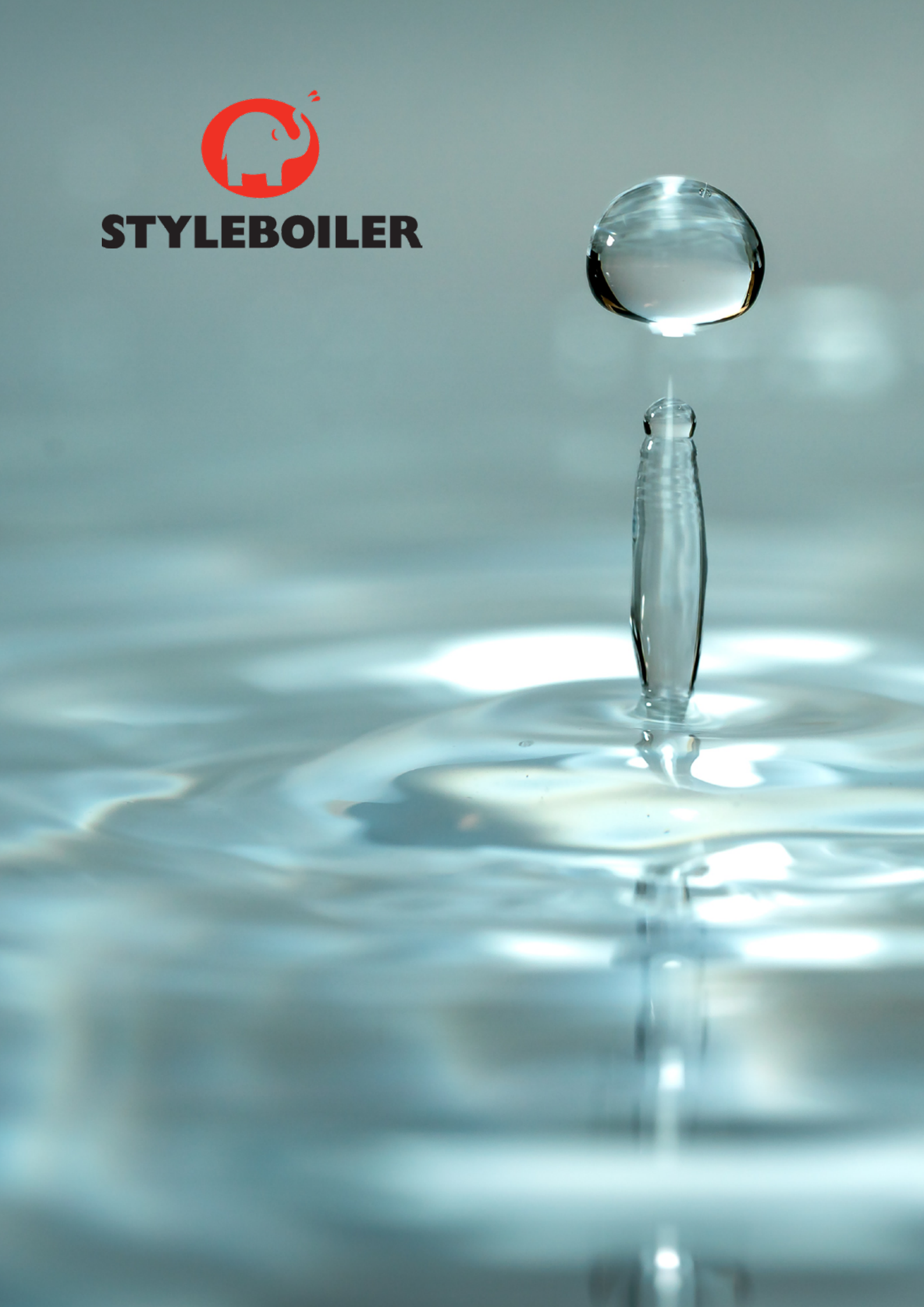
*Coil Inlet Water Temperature: 60°C - Sanitary Water Production Between 10°C and 45°C



DIMENSIONS	U.M.		200	300	400
Diameter with insulation	ØA	[mm]	544	651	751
Total height with insulation	H	mm	1732	1652	1776
Tipping diagonal	-	mm	1815	1830	1980
Flange	FL	mm	750	792	911
Lower dry-well	Ti	mm	952	852	951
Upper dry-well	Ts	mm	1402	1182	1371
Return to heat pump	Pr	mm	98	104	124
Inlet from heat pump	Pi	mm	350	304	350
Coil outlet	So	mm	664	667	766
Coil inlet	Si	mm	1480	1264	1427
Return from system	Ir	mm	98	104	124
Supply to system	Im	mm	350	304	350
Domestic hot water inlet	KW	mm	546	512	598
Recirculation	Z	mm	1302	1102	1251
Auxiliary connection for electronic anode	AE	mm	1502	1282	1451
Domestic hot water supply	WW	mm	1618	1512	1626

CONNECTIONS	REF	200	300	400
Lower dry-well	Ti	Rp 1/2"	Rp 1/2"	Rp 1/2"
Upper dry-well	Ts	Rp 1/2"	Rp 1/2"	Rp 1/2"
Return to heat pump	Pr	G 3/4"	Rp 1"	Rp 1"
Inlet from heat pump	Pi	G 3/4"	Rp 1"	Rp 1"
Coil outlet	So	Rp 1"	Rp 1" 1/4	Rp 1" 1/4
Coil inlet	Si	Rp 1"	Rp 1" 1/4	Rp 1" 1/4
Return from system	Ir	G 3/4"	Rp 1"	Rp 1"
Supply to system	Im	G 3/4"	Rp 1"	Rp 1"
Domestic hot water inlet	KW	G 3/4"	Rp 1"	Rp 1"
Recirculation	Z	Rp 3/4"	Rp 3/4"	Rp 3/4"
Auxiliary connection for electronic anode	AE	Rp 1/2"	Rp 1/2"	Rp 1/2"
Domestic hot water supply	WW	G 3/4"	Rp 1"	Rp 1"

STYLEBOILER



If there is **magic** on this planet, it flows in **water** and

Styleboiler turns it into comfort.

STYLEBOILER

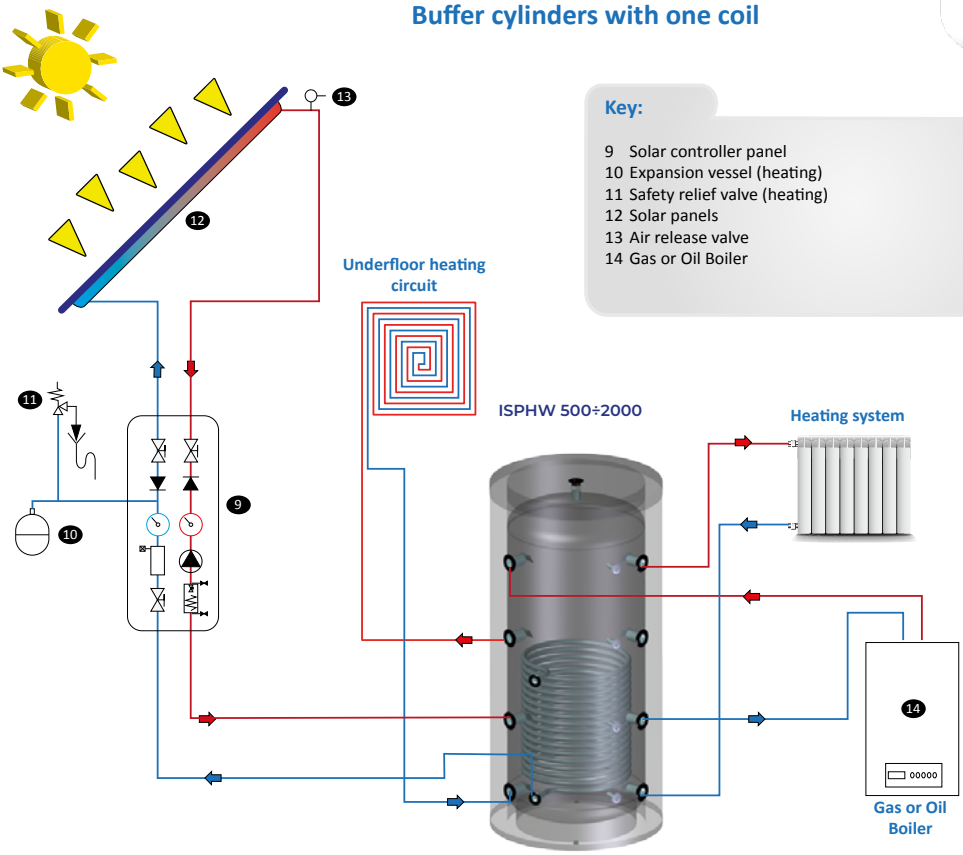
BUFFER CYLINDERS

BUFFER CYLINDERS

The STRENGTHS of the product range in detail:

Styleboiler elevates your heating system beyond ordinary efficiency with buffer tanks that redefine thermal storage, combining cutting-edge engineering with intelligent energy management. Engineered for high-capacity thermal storage, they effortlessly integrate solar, heat pumps, boilers, and other renewable sources into a single, high-performance ecosystem.
The range of buffer cylinders consists of storage tanks and solar cylinders with or without fixed coil that allow considerable recovery and/or exploitation of thermal energy that would otherwise be unused or even wasted. 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. 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.

Buffer cylinders with one coil



Key:

9 Solar controller panel
10 Expansion vessel (heating)
11 Safety relief valve (heating)
12 Solar panels
13 Air release valve
14 Gas or Oil Boiler

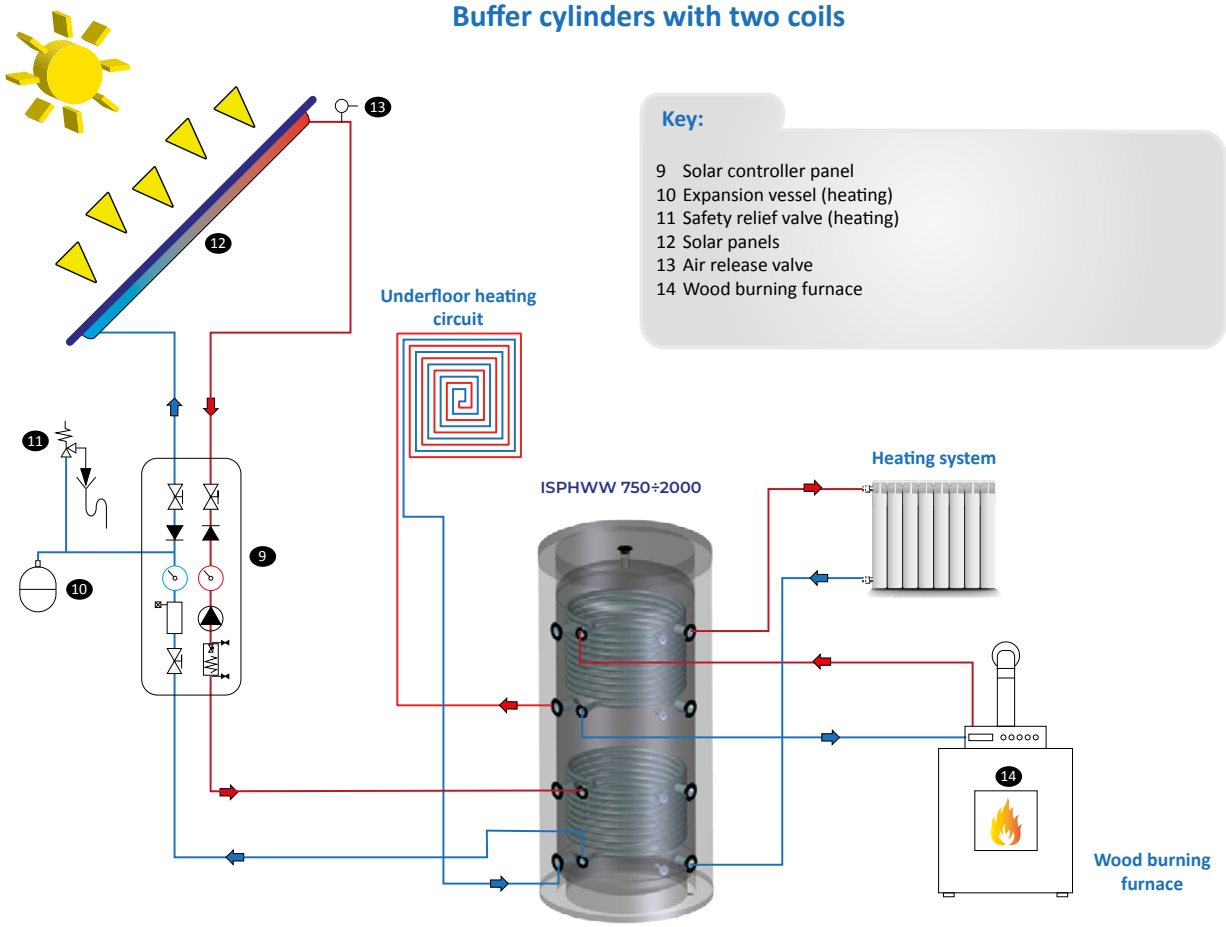
Environmentally friendly

We are committed to optimizing our industrial operations with a strong focus on environmental responsibility. To reduce the ecological footprint of our products, we have eliminated the use of chlorofluorocarbons (CFCs and HCFCs) in the insulation layers and continually work to incorporate recyclable materials in our production process.

Thermal insulation

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

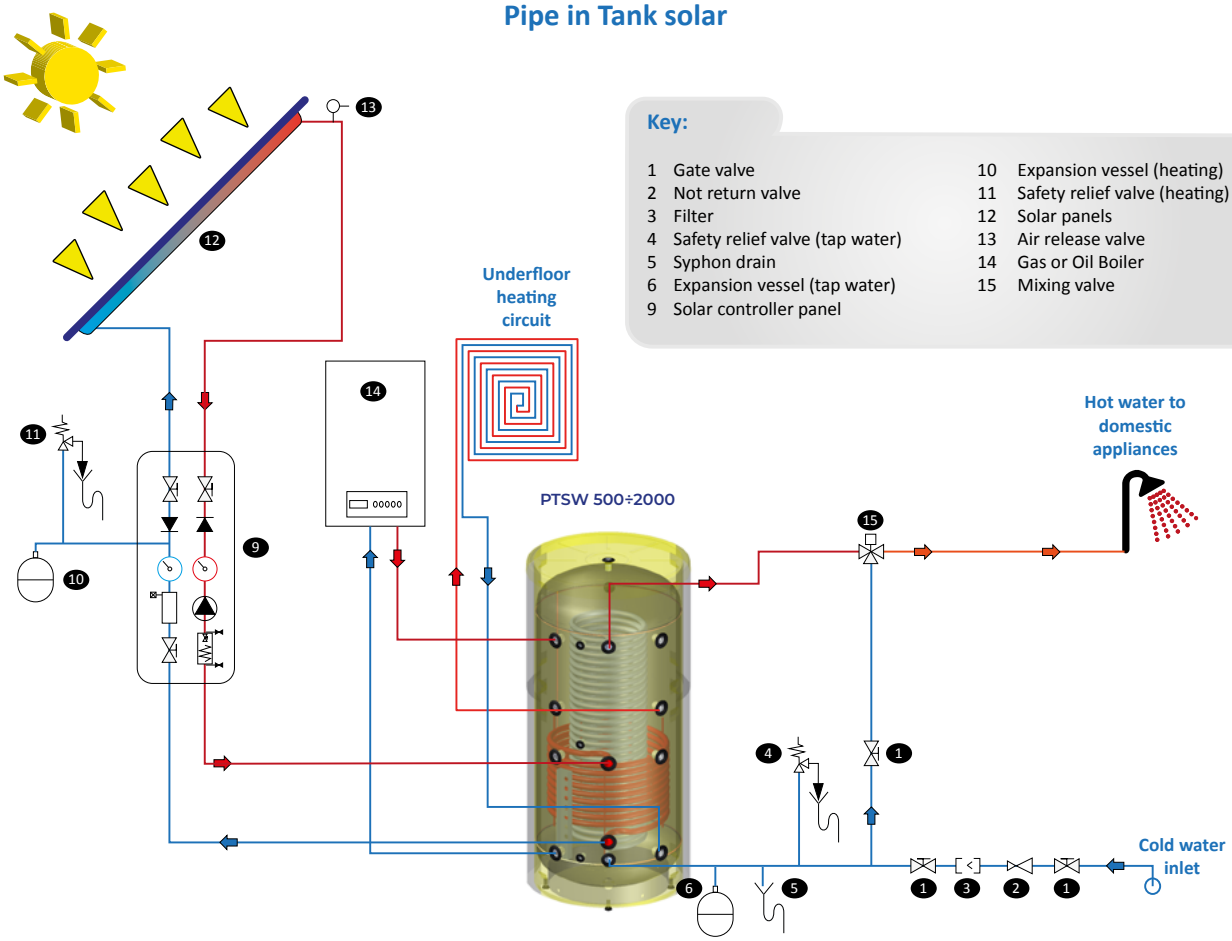
Buffer cylinders with two coils



Key:

9 Solar controller panel
10 Expansion vessel (heating)
11 Safety relief valve (heating)
12 Solar panels
13 Air release valve
14 Wood burning furnace

Pipe in Tank solar



Key:

1 Gate valve
2 Not return valve
3 Filter
4 Safety relief valve (tap water)
5 Syphon drain
6 Expansion vessel (tap water)
9 Solar controller panel
10 Expansion vessel (heating)
11 Safety relief valve (heating)
12 Solar panels
13 Air release valve
14 Gas or Oil Boiler
15 Mixing valve

Multifunction Thermal Flyweel 4+2 Connetions

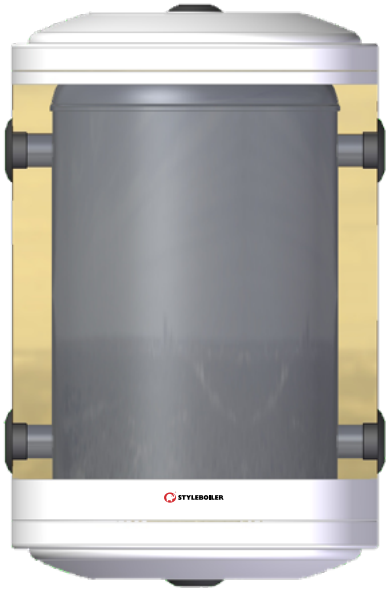
HOT-COLD

SERIES ISPHCV 35-60-75-100

NEW PRODUCT

ErP Energy Class B

This series of mini buffer tanks has been designed for heating and cooling systems. These units can function both as a hydraulic separator and as a storage tank. Thanks to these features, the flow rates of the two circuits remain independent, minimizing the start/stop cycles of the heat pump. The units are equipped with a reinforced insulation system, featuring 50 mm thick polyurethane foam, ensuring proper insulation for both heating and cooling modes.

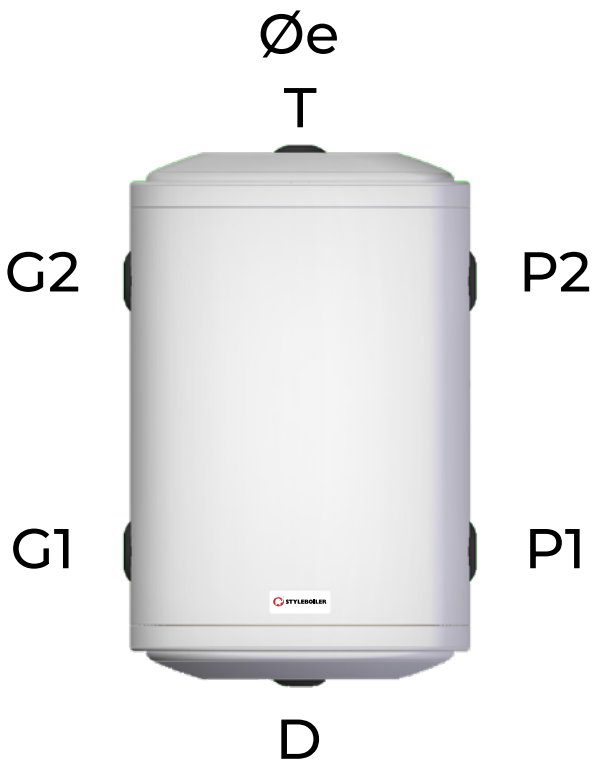


- Inner tank made of S 235 Jr carbon steel
- Designed for wall-mounted installation with flexible options for vertical or horizontal orientation
- Outer casing constructed from epoxy powder-coated sheet metal
- Anti-condensation insulation with eco-friendly rigid polyurethane (PU) foam
- Storage temperature range from -10°C to 95°C
- **Energy efficiency class B**
- Specially designed for use with heat pumps

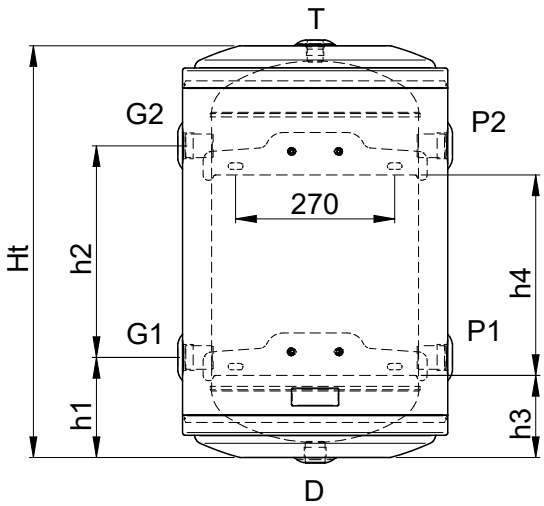
WARRANTY:

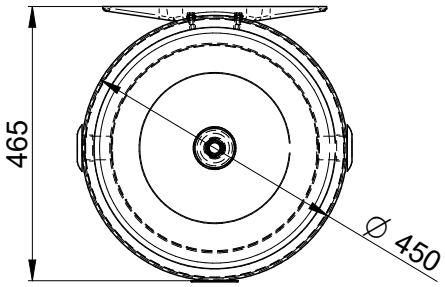
- **2 YEARS** ON THE TANK
- **2 YEARS** ON THE OTHER COMPONENTS

TECHNICAL DATA		Size	ISPHCV 35	60	75	100
		Code	FU000115	FU000116	FU000117	FU000139
Capacity		l	34	56	71	86
Tank material		type	Carbon Steel S235Jr			
Insulation thickness		mm	≥50	≥50	≥50	≥50
Insulation material		type	High-density rigid polyurethane foam			
ErP Energy Class		ErP	B	B	B	B
ErP Thermal dispersions		W/h	34	40	44	47
Maximum water temperature		°C	95			
Minimum water temperature		°C	-10			
Maximum pressure		MPa	0,6			
Connection sizes	(G1-G2)	Rp	1”			
	(P1-P2)	Rp	1”			
Drain	(D)	Rp	3/4”			
Vent	(T)	Rp	1/2”			
Net weight		kg	15.4	20.5	23.8	30.4



DIMENSIONS U.M.		ISPHCV 35	60	75	100
Ht	mm	468	699	850	1000
h1	mm	170	170	170	170
h2	mm	128	359	510	660
h3	mm	139	139	166	166
h4	mm	109	340	438	588





KEY

G1-G2	Inlet-Outlet for utilities
P1-P2	Inlet-Outlet for heat source
D	Drain
T	Vent

Warm-Chilled Buffer Cylinder

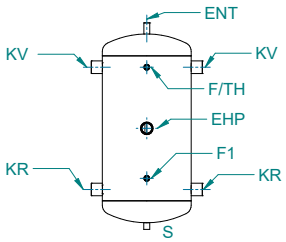
HOT-COLD

ErP Energy Class
Up to B

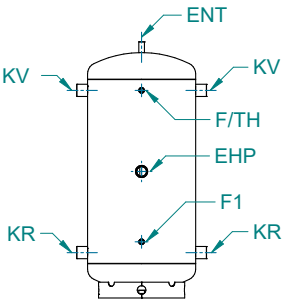
SERIES ISPHC 50÷500 L

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



WALL-HUNG MODEL | WALL-HUNG MODEL

- Row carbon steel tank
- Ready to install probe holders (F1) with ½“ threaded connection
- High density very thick polyurethane (PU) foam
- External soft plastic coloured coating (PVC white RAL 9010)
- 1“ ½ connection for the installation of the heating element kit (EHP)

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

TECHNICAL DATA	Size	ISPHC 50 L	100 L	200 L	300 L	400 L	500 L
	Code	FU000004	FU000005	FU000006	FU000007	FU000008	FU000024
Capacity	l	50	107	205	290	405	490
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	ErP	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	½” / 924	½” / 1184	½” / 1344	½” / 1370	½” / 1620
Heating delivery (KV)	IG / mm	1”¼ / 740	1”½ / 740	1”½ / 960	1”½ / 1110	1”½ / 1121	1”½ / 1371
Sensor Thermometer connection (F/TH)	IG / mm	-	½” / 740	½” / 960	½” / 1110	½” / 1121	½” / 1371
Dry-well connection (F1)	IG / mm	-	½” / 560	½” / 715	½” / 810	½” / 821	½” / 971
Heating return / To Generator (KR)	IG / mm	1”¼ / 90	1”½ / 190	1”½ / 210	1”½ / 210	1”½ / 221	1”½ / 221
Drain (S)	IG	1”	-	-	-	-	-
Heating element connection (EHP)	IG / mm	-	1”½ / 465	1”½ / 585	1”½ / 660	1”½ / 671	1”½ / 796
Tilt height	mm	-	-	1332	1500	1563	1795

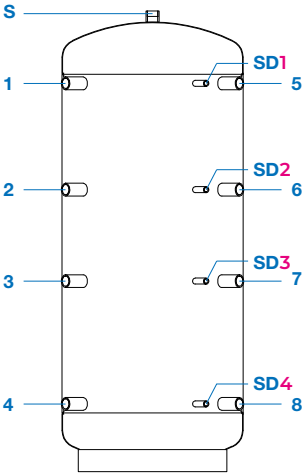
Notes : AG = Male fitting, IG = Female fitting - Notes: [1] Max. operating pressure, [2] Max. pressure test according to EN 12897 P.4.4.1

Buffer Cylinder

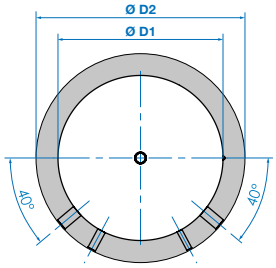
ErP Energy Class C

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

AVAILABLE ON REQUEST	AVAILABLE ON REQUEST	AVAILABLE ON REQUEST

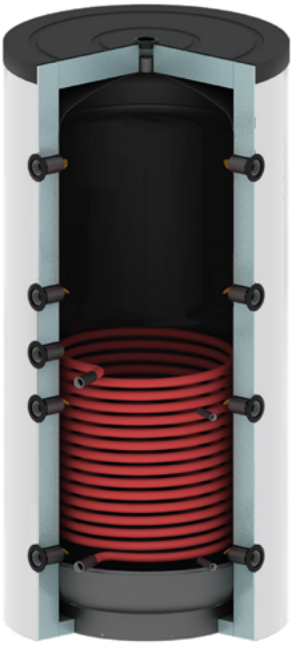
TECHNICAL DATA	Size	ISPH 800 L	1000 L	1250 L	1500 L	2000 L
	Code	FU000025	FU000015	FU000069	FU000070	FU000071
Capacity	l	732	925	1284	1515	2054
Insulation thickness	mm	≥100	≥100	≥100	≥100	≥100
Thermal insulation	[-]	Hard PU foam insulation shells (λ=0,024 W/mK)				
ErP Energy Class	ErP	C	C	C	C	C
ErP 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 retum / 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

ErP Energy Class C

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 ½ " threaded connection with sensor-clip
- 1" ½ connection for the installation of specific heating element kits up to 9 kW
- Fixed coil for integration with another heat source

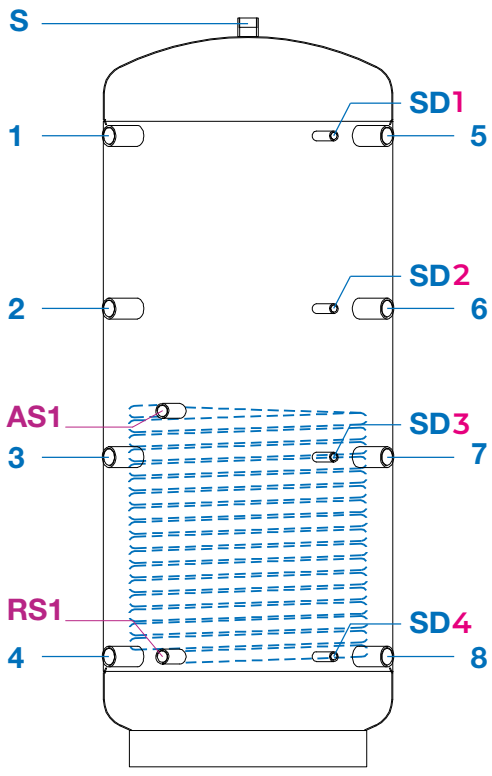
WARRANTY:
- **5 YEARS** ON THE TANK
- **2 YEARS** ON THE OTHER COMPONENTS

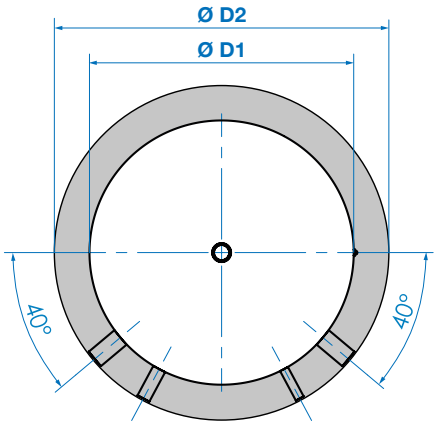
					AVAILABLE ON REQUEST	AVAILABLE ON REQUEST	AVAILABLE ON REQUEST
TECHNICAL DATA		ISPHW					
	Size	500 L	750 L	950 L	1250 L	1500 L	2000 L
	Code	FU000016	FU000017	FU000018	FU000072	FU000073	FU000074
Capacity	l	490	732	925	1284	1515	2054
Power (ΔT 35°C)*	kW	50,0	67,0	84,0	84,0	101,0	118,0
Heating water production (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	ErP	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
Ø Diameter (excl. Insulation)	mm	750	790	790	950	1000	1000

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

				AVAILABLE ON REQUEST	AVAILABLE ON REQUEST	AVAILABLE ON REQUEST
DIMENSIONS	U.M.	ISPHW				
		500 L	750 L	950 L	1250 L	1500 L	2000 L
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

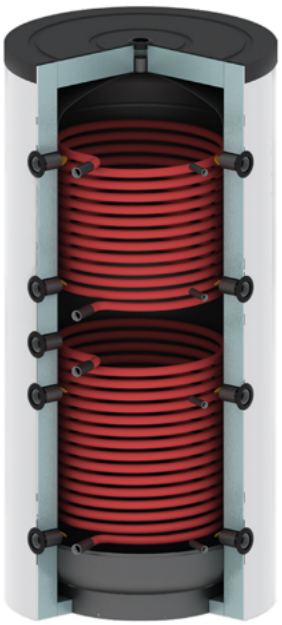




Buffer Cylinder 2 Coils

SERIES ISPHWW 750÷2000 L

ErP Energy Class C



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**

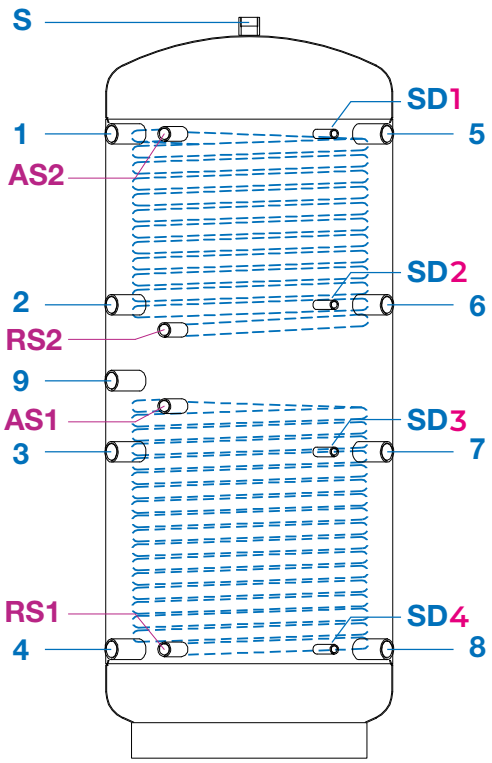
WARRANTY:
- **5 YEARS** ON THE TANK
- **2 YEARS** ON THE OTHER COMPONENTS

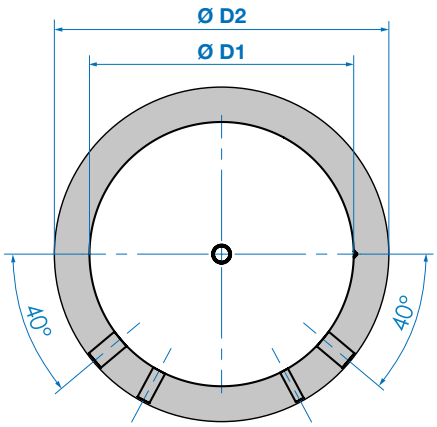
				AVAILABLE ON REQUEST	AVAILABLE ON REQUEST
TECHNICAL DATA		ISPHWW			
	Size	750 L	950 L	1500 L	2000 L
	Code	FU000019	FU000020	FU000075	FU000076
Capacity	l	732	925	1515	2054
Heat exchange surface (Lower coil)	m²	2,4	3,0	3,6	4,2
Heat exchange surface (Upper coil)	m²	1,8	2,4	2,4	3,0
Thermal power of the heat 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	m³/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	ErP	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.

				AVAILABLE ON REQUEST	AVAILABLE ON REQUEST
DIMENSIONS	U.M.	ISPHWW			
		750 L	950 L	1500 L	2000 L
Ø Diameter (without Insulation)	mm	790	790	1000	1100
Tilt height	IG / 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

ErP Energy Class C

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 + externai 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

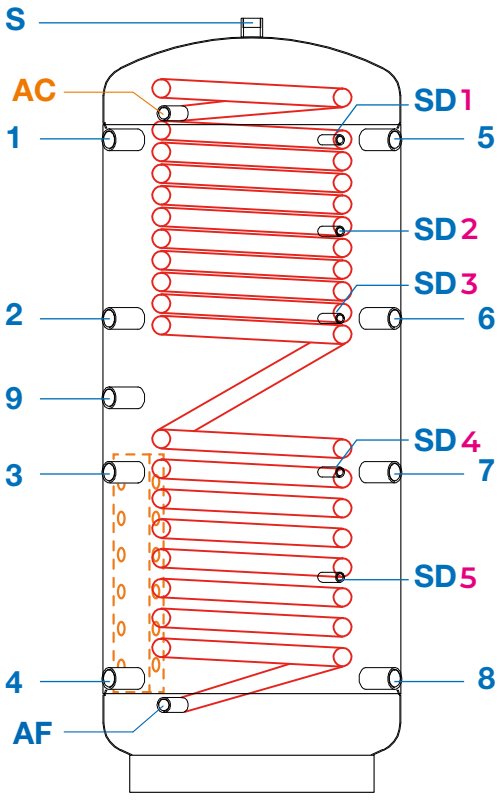
WARRANTY:
- **5 YEARS** ON THE TANK
- **2 YEARS** ON THE OTHER COMPONENTS

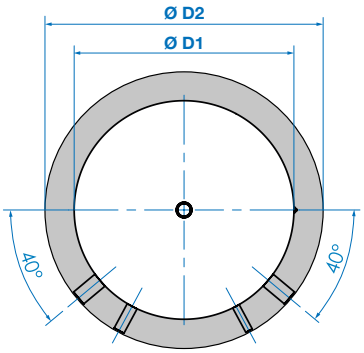
					AVAILABLE ON REQUEST	AVAILABLE ON REQUEST
TECHNICAL DATA	Size	500 L	800 L	PTS 1000 L	1500 L	2000 L
	Code	FU000021	FU000022	FU000023	FU000077	FU000078
Capacity	l	490	732	925	1515	2054
Heat exchange surface D.H.W.	m²	4,0	6,0	7,5	10,0	10,0
D.H.W. coil capacity	l	20,0	30,0	38,0	50,0	50,0
Anti-corrosion coil 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	ErP	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

				AVAILABLE ON REQUEST	AVAILABLE ON REQUEST
DIMENSIONS	U.M.	PTS			
		500 L	800 L	1000 L	1500 L	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)	IG / 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)	IG / 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

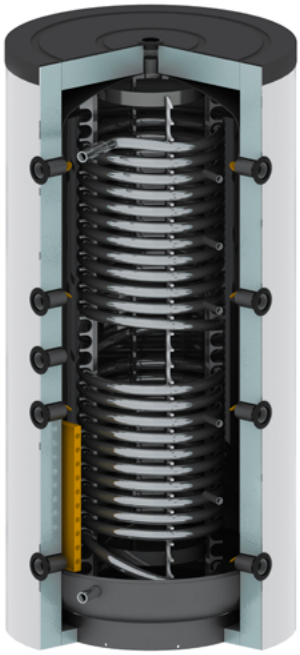
Notes : AG = Male fitting, IG = Female fitting





Pipe in Tank Solar

ErP Energy Class C



SERIES 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

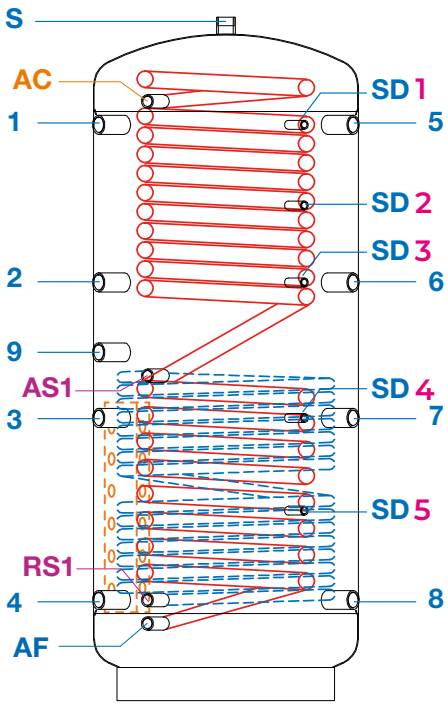
WARRANTY:
- **5 YEARS** ON THE TANK
- **2 YEARS** ON THE OTHER COMPONENTS

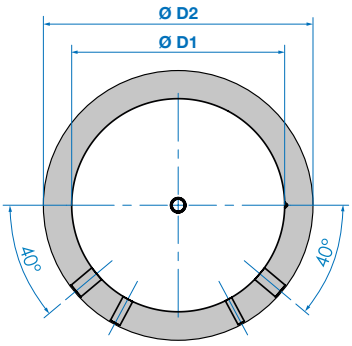
					AVAILABLE ON REQUEST	AVAILABLE ON REQUEST
TECHNICAL DATA		PTSW				
	Size	500 L	800 L	1000 L	1500 L	2000 L
	Code	FU000026	FU000027	FU000028	FU000079	FU000080
Capacity	l	490	732	925	1515	2054
D.H.W. coil exchange surface	m²	4,0	6,0	7,5	10,0	10,0
D.H.W. coil capacity	l	28,0	30,0	30,0	50,0	50,0
Anti-corrosion coil for D.H.W. production	[-]	Stainless steel AISI 316L EN 1.4404				
Heat exchange surface solar coil	m²	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	ErP	C	C	C	C	D
ErP Heat Loss Watt	W/h	92	117	144	170	204
Heat loss	kW/24h	2,2	3,0	3,4	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. 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

				AVAILABLE ON REQUEST	AVAILABLE ON REQUEST
DIMENSIONI	U.M.	PTSW			
		500 L	800 L	1000 L	1500 L	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)	IG / 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)	IG / 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.

Magnesium anode

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

Dual safety

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

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)

VS Smart inox

ECOLEARN WATER HEATERS

ErP Energy Class A

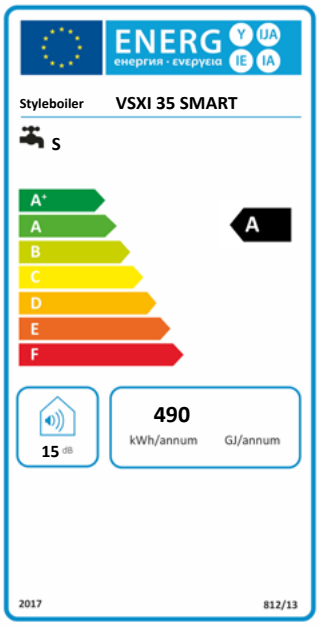
Smart electric water heaters efficiently produce hot water by adapting to your consumption patterns. Equipped with a self-learning algorithm, they adjust to provide the right amount of hot water as needed, saving up to 20% in energy and reducing bills. The VS SMART system eliminates unnecessary heating, helping to lower energy consumption, save money, and protect the environment.

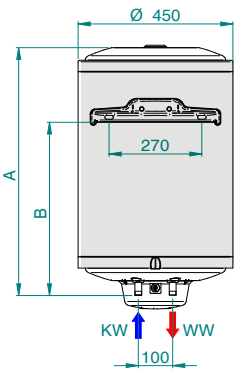
- **WI-FI connection for remote control (IOS and Android)**
- **Stainless steel AISI 316L tank pickled and passivated, (EN 1.4404) welded with "TIG" and "Plasma" technologies for optimum protection from the effects of corrosion**
- **Incoloy 825 stainless steel heating element**
- User-friendly digital 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

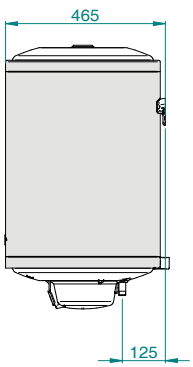
WARRANTY:
- **10 YEARS** ON THE TANK
- **2 YEARS** ON THE OTHER COMPONENTS

10 YEARS
WARRANTY

TECHNICAL DATA	Size	VSXI SMART 35	50	80	100
	Code	IU000051	IU000052	IU000053	IU000054
Capacity	l	35	50	80	100
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	ErP	A	B	B	B
ErP Test profile	ErP	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	½"	½"	½"	½"
Dimensional values (A/B)	mm	512/287	512/287	742/518	893/669







NEW PRODUCT

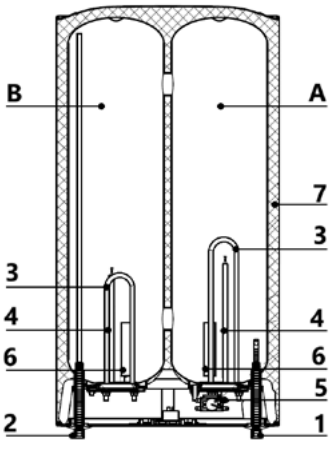
Elios PRO

General features

- Units with extremely compact depth dimensions, 285 mm, with the possibility of vertical and horizontal installation, installation with wall brackets and mounting template
- Range available in the following sizes: 50-80-100
- Installed electrical power: 1200+800 Watts
- Elegant aesthetics, simple and intuitive control display, ultra-flat design (depth <30 cm)
- SMART function for performance optimization
- Power modulation function
- Internal structure with double tank and magnesium anode protection on each tank
- Electric heating element on each single tank with double temperature reading to ensure maximum efficiency and maximum availability of hot water
- Safety valve (8 bar) provided as standard
- Remote control via Wi-Fi system
- Standard equipment with cable and plug and dielectric joint
- Electronic thermostat
- High-intensity insulation without CFCs
- Inspection flange
- Glass-lined storage tank

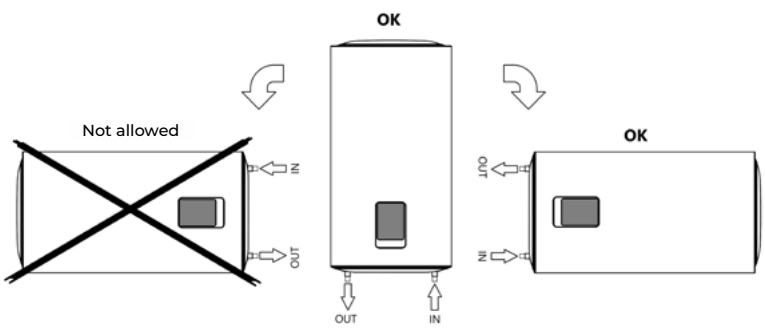
Main components

A) First tank inlet
B) Second tank outlet
1) Water inlet connection G 1/2”
2) Water outlet connection G 1/2”
3) Electric heating element 1200+800 W
4) Bulb for temperature sensor and safety thermostat
5) Safety thermostat
6) Magnesium anodes 2 x Ø 20 x h 200 mm
7) Insulation in expanded polyurethane



Multi-position installation

Due to the specific arrangement of the internal components, vertical or horizontal installation is possible, but only in the direction indicated by the adjacent diagram.



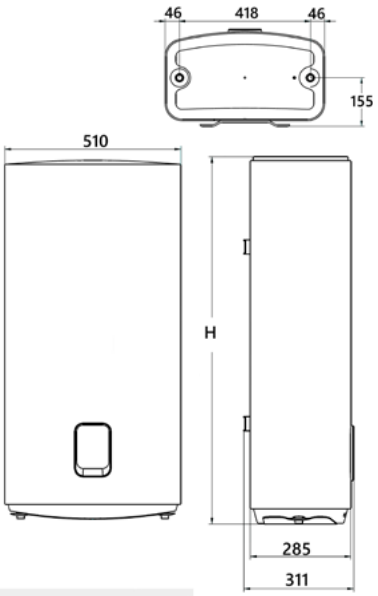
Elios PRO

SERIES ELIOS PRO 50-80-100 SMART

ErP Energy Class B

The Elios Pro compact electric water heaters with a double tank design are perfect for quickly and economically heating medium quantities of water. With an ultra-slim and multi-position configuration, the double tank technology allows for faster water heating compared to traditional cylindrical water heaters.

- Compact design with a depth of just 285 mm, offering flexible installation options both vertically and horizontally
- Wi-Fi connectivity for remote monitoring and control via the mobile app for convenient operation from anywhere
- Installed electrical power: 1200+800 Watts, featuring dual temperature sensors to ensure maximum efficiency and hot water availability
- Double tank internal structure, with magnesium anode protection for each tank
- Safety valve (8 bar) included as standard for added protection
- **SMART function for optimized performance**
- Power modulation function for improved efficiency
- Glass-lined storage tanks for enhanced durability



WARRANTY:

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

TECHNICAL DATA	Size	ELIOS PRO 50	80	100
	Code	FU000161	FU000162	FU000163
Electric power	[kW]	2,0 (0,8+1,2)		
Power supply	V-ph-Hz	230-1-50		
Useful water content	[l]	40	64	80
ErP energetic class	ErP	B	B	B
ErP load profile	ErP	M	M	M
Heating time ΔT 50°C	h:min	01:05	01:43	02:10
Adjustable temperature range	°C	40 - 75		
Standard set temperature	°C	70		
Maximum operating temperature	bar	8		
Net empty weight	[kg]	22,5	32,0	39,0
Net weight at full load	[kg]	62,5	96,0	119,0
Tank protection	Type	Magnesium anode / 2 x 20 mm Ø x 200 mm		
Dimension H	mm	705	1032	1236

Rif	Function
1	Power on/off Button
2	ECO-SMART Mode Button
3	Temperature Set Point Adjustment Buttons
4	Timer Programming Button
5	Power Level Control Buttons
6	Wi-Fi Connectivity Button
7	Status Display Screen

Point of Use

ErP Energy Class Up to B

SERIE PONY 10/2

Pony Water Heaters provide a compact and efficient solution for fast, economical hot water production in small quantities, making them ideal for homes and light commercial use. Their space-saving design allows easy installation even in tight or limited spaces. The flame-retardant ABS housing ensures safety while keeping the unit lightweight and simple to install, either above or below sinks (note: 30L capacity units are designed for above-sink installation only)

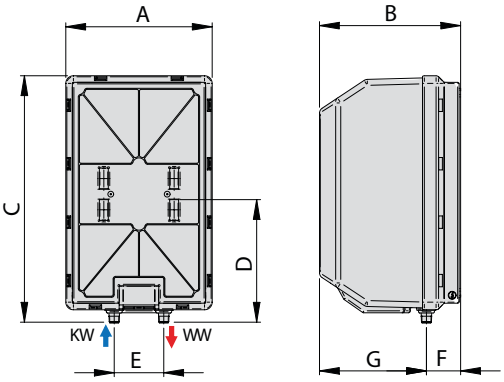
- **Storage tank of steel, glass-lined with "Blue Glass 4753" flow-coating method at 850°C WRAS (BS6920-1) and KTW-BWGL approved according to UBA specifications (German Environmental Agency)**
- Corrosion-proof magnesium anode
- Screw-in heating element in copper, fitted on a 1"¼ coupling
- Regulation 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
- **2 YEARS** ON THE OTHER COMPONENTS

TECHNICAL DATA		PONY				
	Size	10/2	10/2 s	15/2	15/2 s	30/2
	Code	171513	171514	171515	171516	171517
Capacity	l	10	10	15	15	30
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 pressure	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"

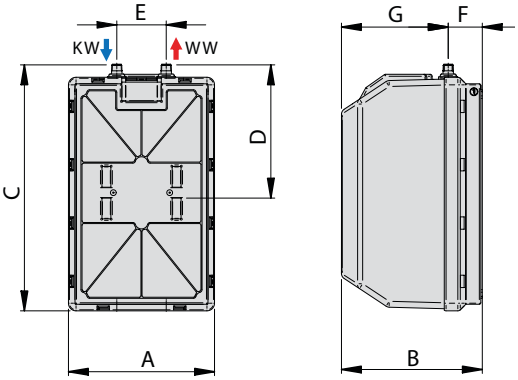
Oversink version 10-15-30



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

Undersink version 10-15s



Point of Use Lux

ErP Energy Class Up to B

SERIE PONY 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
- **IPX5 protective cover over electrical parts**
- Neopor® insulating shells for reduced heat loss
- Shock-resistant polypropylene casing and back

SERIE LUX

External Control Knob

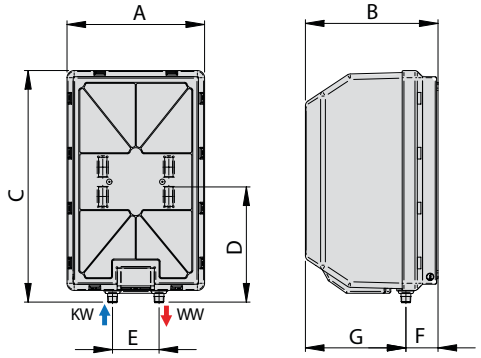
WARRANTY:

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

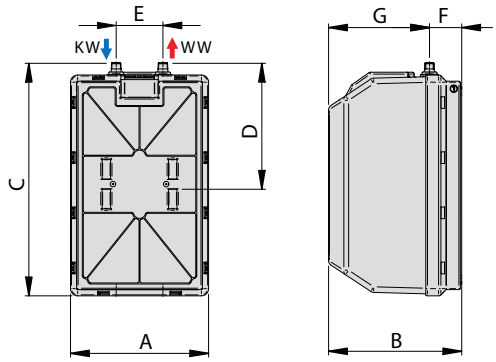
TECHNICAL DATA	Size	PONY 10/5	PONY 10/5 s	PONY 15/5	PONY 15/5 s	PONY 30/5
	Code	161454	161455	161484	161485	161507
Capacity	l	10	10	15	15	30
Power	kW	1,2	1,2	1,2	1,2	1,2
Voltage	V~	230	230	230	230	230
Heating time (ΔT50 °C)	min.	30	30	45	46	92
ErP Energy Class	ErP	B	B	B	B	C
ErP Test profile	ErP	XXS	XXS	XXS	XXS	S
Max. operating temperature	°C	75	75	75	75	75
Max. operating pressure	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"

TECHNICAL DATA	Size	PONY SE LUX (Inspection flange and external knob) 10/5	10/5 s	15/5	15/5 s	30/5
	Code	171000	171001	171002	171003	171004
Capacity	l	10	10	15	15	30
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 pressure	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 10s-15s



Dim.	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

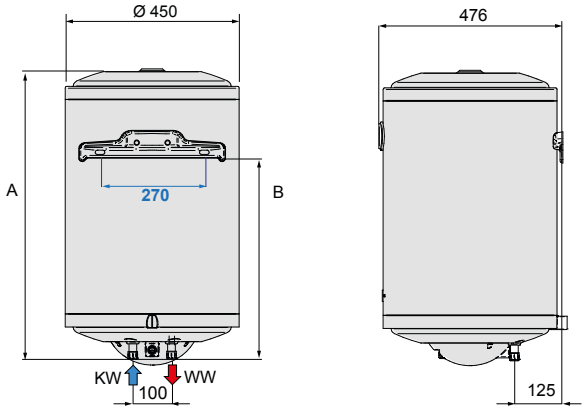
SERIE VD 50÷100

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
- **2 YEARS** ON THE OTHER COMPONENTS

TECHNICAL DATA	Size	VD		
		50	80	100
	Code	171843	171844	171845
Capacity	l	50	80	100
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	ErP	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

ErP Energy Class C

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.

SERIE 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

SERIE VF-SE

External Control Knob

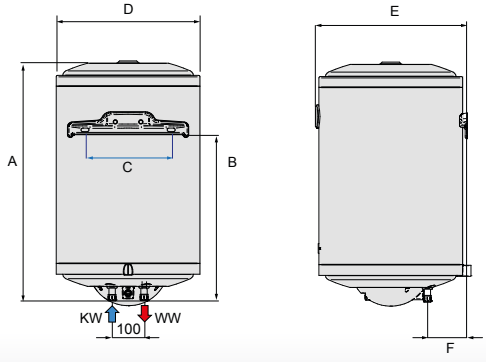
WRAS

WARRANTY:

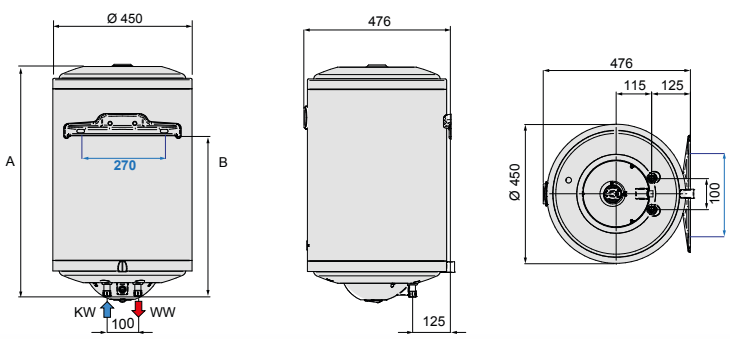
- **5 YEARS** ON THE TANK
- **2 YEARS** ON THE OTHER COMPONENTS

TECHNICAL DATA	Size	VF			VF SE (Inspection flange and external knob)		
		50	80	100	50	80	100
	Code	171862	171863	171864	171859	171860	171861
Capacity	l	50	80	100	50	80	100
Power	kW	1,2	1,2	1,2	1,2	1,2	1,2
Voltage	V~	230	230	230	230	230	230
Heating time (ΔT50 °C)	min.	153	245	306	153	245	306
ErP Energy Class	ErP	C	C	C	C	C	C
ErP Test profile	ErP	M	M	L	M	M	L
Max. operating temperature	°C	75	75	75	75	75	75
Max. operating pressure	MPa	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
Hydraulic connections (KW-WW)	G	½"	½"	½"	½"	½"	½"
Dimensional values: A/B	mm	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

ErP Energy Class C

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

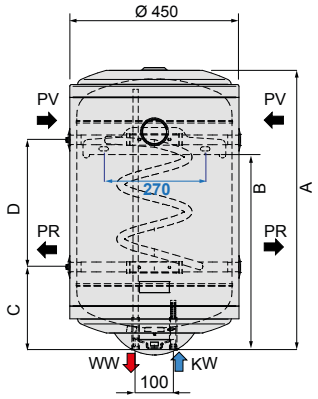
- **Storage tank of steel, glass-lined with "Blue Glass 4753" flow-coating method at 850°C WRAS (BS6920-1) and KTW-BWGL approved according to UBA specifications (German Environmental Agency)**
- Corrosion-proof magnesium anode
- Screw-in heating element in copper, fitted on a 1" ¼ coupling
- Regulation 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

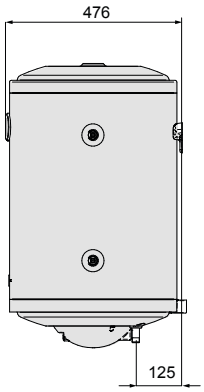
WARRANTY:

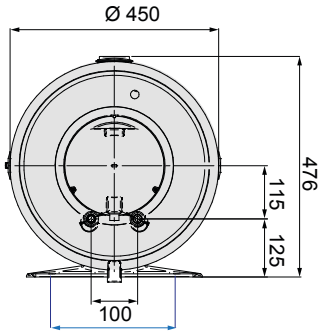
- **5 YEARS** ON THE TANK
- **2 YEARS** ON THE OTHER COMPONENTS

WRAS

TECHNICAL DATA	Size	VF/T 50	VF/T 80	VF/T 100
	Code	171867	171868	171869
Capacity	l	50	80	100
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	ErP	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

ErP Energy Class C

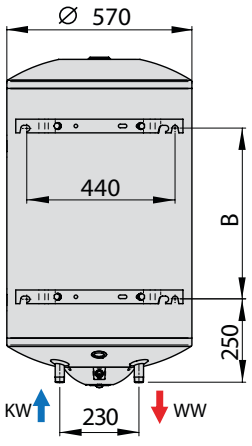
Wall-hung storage water heaters are designed to satisfy the most varied market requirements. Also recommended for industrial and collective use.

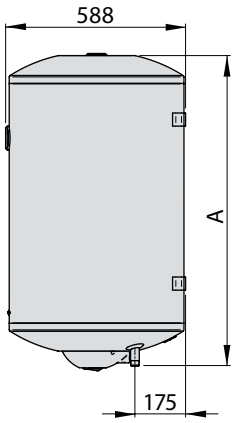
- **Storage tank of steel, glass-lined with "Blue Glass 4753" flow-coating method at 850°C WRAS (BS6920-1) and KTW-BWGL approved according to UBA specifications (German Environmental Agency)**
- Ø 88 mm tank inspection flange
- Corrosion-proof magnesium anode
- Screw-in heating element in copper fitted on a flange
- Regulation and safety rod thermostat
- 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	Size	VF 150	VF 200
	Code	172418	172419
Capacity	l	157,6	210,1
Power	kW	2,0	2,0
Voltage	V~	230	230
Heating time (ΔT50 °C)	min.	275	367
ErP Energy Class	ErP	C	C
ErP Test profile	ErP	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	¾" (Rp)	¾" (Rp)
Dimensional values: A	mm	1026	1297
Dimensional values: B	mm	570	570





Horizontal

SERIES OD e OF 80-100

ErP Energy Class C

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

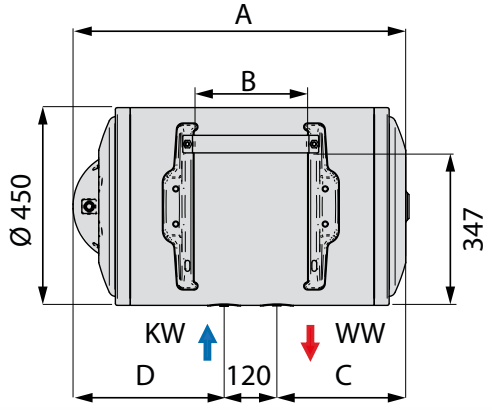
WRAS

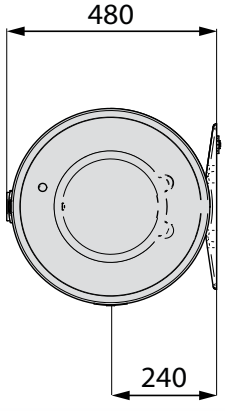
WARRANTY:
- **2 YEARS** ON THE TANK AND COMPONENTS

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

TECHNICAL DATA	Size	OD	OF	
		80	80	100
	Code	171900 RH 171901 LH	171903 RH 171904 LH	171905 RH 171906 LH
Capacity	l	80	80	100
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

SERIES OF/T 80

ErP Energy Class C

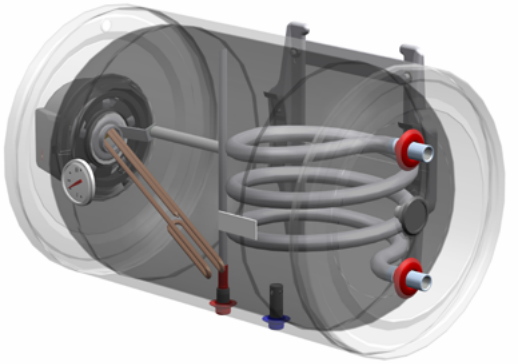
Horizontal water heaters are the basic product range for the most varied market requirements.
Compatible with gas, oil boilers or other heat sources.

- 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

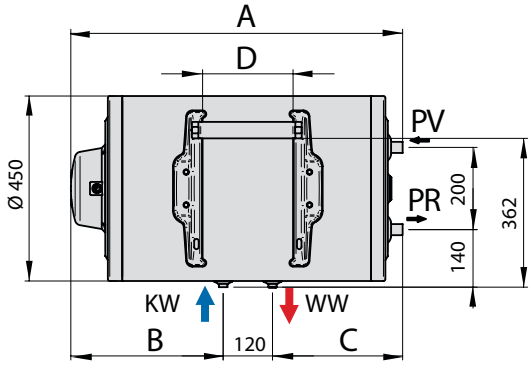
WARRANTY:

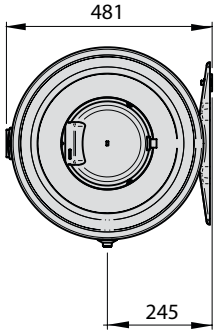
- **5 YEARS** ON THE TANKS
- **2 YEARS** ON THE OTHER COMPONENTS

TECHNICAL DATA	Size	OF/T 80 RH	OF/T 80 LH
	Code	171907	171908
Capacity	l	80	80
Power	kW	1,2	1,2
Voltage	V~	230	230
Heating time (ΔT50 °C)	min.	245	245
ErP Energy Class	ErP	C	C
ErP Test profile	ErP	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	807/370,5/316,5/220



Notes: RH = Right version , LH = Left version





Interline

SERIES ISS 120÷500

ErP Energy Class C

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

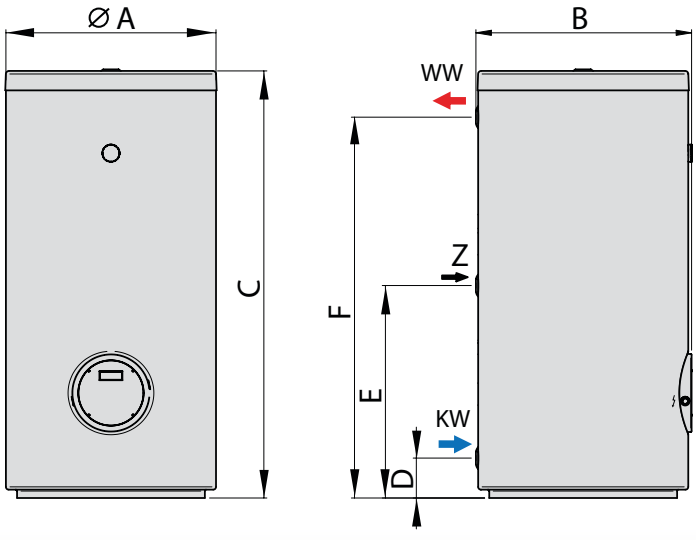
WARRANTY:

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

TECHNICAL DATA	Size	ISS 120	ISS 160	ISS 200	ISS 300/3	ISS 400/3	ISS 500/3
	Code	172478	172479	172480	172481	172482	172483
Capacity	l	120	160	200	300	400	500
Power	kW	1,5	2,0	2,0	3,0	4,0	5,0
Voltage	V~	230	230	230	400/3	400/3	400/3
Heating time (ΔT50 °C)	min.	294	294	367	367	367	367
ErP Energy Class	ErP	C	C	C	C	C	C
ErP Test profile	ErP	L	L	L	L	XL	XL
Max. operating temperature	°C	75	75	75	75	75	75
Max. operating pressure */**	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
Net weight	kg	38	46	53	77	99	115
Hydraulic connections (KW-WW-Z)	G	Rp ¾"	Rp ¾"	Rp ¾"	Rp 1"	Rp 1"	Rp 1"

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

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



Interline inoX

SERIES ISSXAI 120÷500

ErP Energy Class C

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
- External soft plastic coating (PVC), gray RAL 9006
- Stored water temperature indicator

ACCESSORIES PP. 88

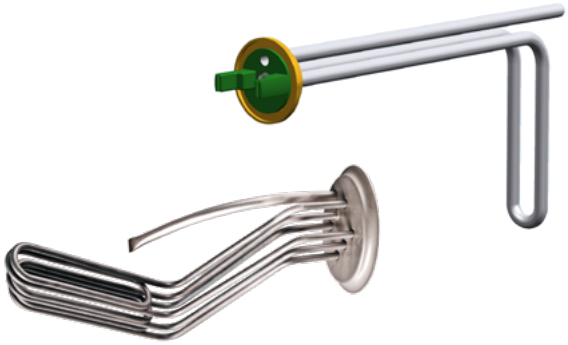
WARRANTY:

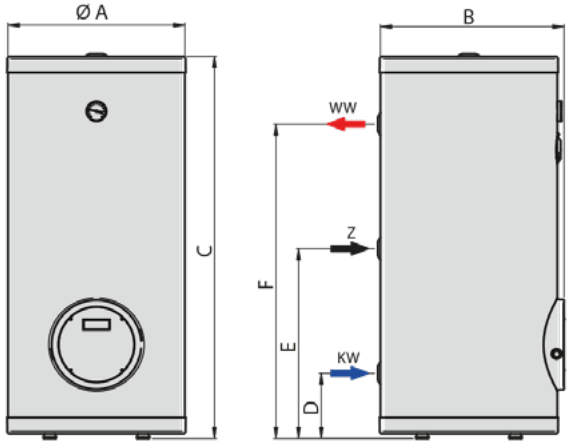
- **5 YEARS** ON THE TANKS
- **2 YEARS** ON THE OTHER COMPONENTS

TECHNICAL DATA	Size	ISSXAI 120	160	200	300/3	400/3	500/3
	Code	IU000035	IU000036	IU000037	IU000058	IU000059	IU000061
Capacity	l	120	160	200	300	400	500
Power	kW	2,0	2,0	2,0	3,0	4,0	5,0
Voltage	V~	230	230	230	400/3	400/3	400/3
Heating time (ΔT50 °C)	min.	294	294	367	367	367	367
ErP Energy Class	ErP	C	C	C	C	C	C
ErP Test profile	ErP	L	L	L	L	XL	XL
Max. operating temp.	°C	75	75	75	75	75	75
Max. operating press. */**	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	38	46	53	77	99	115
Hydraulic connections (KW-WW-Z)	G	Rp ¾”	Rp ¾”	Rp ¾”	Rp 1”	Rp 1”	Rp 1”
Dimensional values: A	mm	550	550	550	650	750	750
Dimensional values: B	mm	571	571	571	675	775	775
Dimensional values: C	mm	924	1174	1524	1526	1530	1796
Dimensional values: D	mm	203	203	203	228	263	263
Dimensional values: E	mm	463	591	729	803	763	913
Dimensional values: F	mm	728	978	1328	1283	1248	1513

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

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

- **Glass-lined storage tank**
- 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:

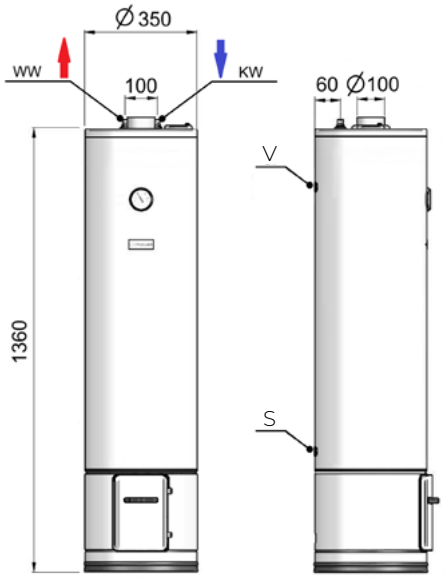
- **3 YEARS** ON THE TANKS
- **2 YEARS** ON THE OTHER COMPONENTS

TECHNICAL DATA	Size	LG	LGE
	Code	80	80
		FU000184	FU000185
Capacity	l	80	80
Useful power when operating with wood	kW	15	15
Firebox opening	hxl - mm	115x125	115 x 125
Firebox capacity	dm3	10,5	10,5
Wood log length	cm	25	25
Electrical supply *	V	\	230 ~
Electric heating element power *	kW	\	1,2
Absorbed current *	A	\	5,2
Heating time ΔT 50° *	min	\	250
Max operating temperature	°C	90	90
Max operating pressure	Mpa	0,7	0,7
Net weight	kg	44	44

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

* For version with electric resistance

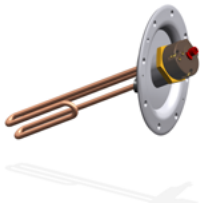
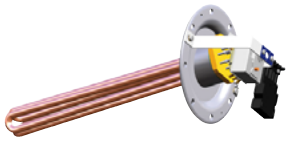
Connection legend		
Ref	Function	Size
KW	Cold water inlet	1/2"
WW	Hot water outlet	1/2"
S	Drain connection	3/4"
V	Safety valve connection	3/4"



STYLEBOILER

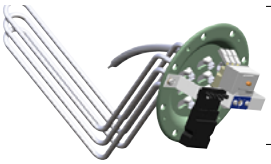
ACCESSORIES & KIT

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	**3,0 kW 230V ~ ELECTRIC KIT** Including: counter flange with 1 ¼ coupling, gasket, armoured copper heating element and thermostat (safety and regulation).	
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	**4,0 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.	
	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** **ISSWC 200-300-400** 	**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	**3,0 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.	
SERIES: **ISSWXA 120÷500** **ISSWWXA 200÷500** 	**RE000033**	**3,0 kW 230 V ~ ISOLATED STAINLESS STEEL ELECTRIC KIT** Including: INCOLOY 825 stainless steel heating element isolated on 1" 1/2 coupling, gasket, safety and regulation thermostat, to be installed on the frontal threaded inlet.	

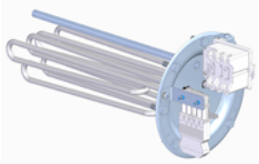
Accessories & kit
for electric water heater, indirect and buffer cylinders

	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



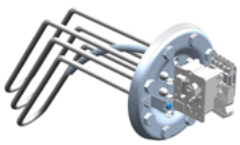
	070137	**3,0÷6,0 kW 400/3V ~ STAINLESS STEEL ELECTRIC KIT (Ø 134 mm)** Including: counter flange, gasket, incoloy 800 stainless steel three-part heating element, thermostat and supporting bracket. **ATTENTION:** not for models 600 - 2000 liters
	070138	**4,0÷8,0 kW 400/3V ~ STAINLESS STEEL ELECTRIC KIT (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	**4 kW 400/3V ~ ELECTRICALLY INSULATED FLANGED IMMERSION HEATERS** Including: Stainless steel counter flange, gasket, incoloy 825 stainless steel three-part heating element, thermostat and supporting bracket. RECOMMENDED FOR SERIES 300-400-500

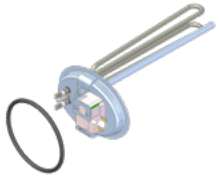


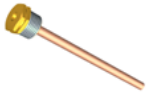
	AE000023	**6 kW 400/3V ~ ELECTRICALLY INSULATED FLANGED IMMERSION HEATERS** Including: Stainless steel counter flange, gasket, incoloy 825 stainless steel three-part heating element, thermostat and supporting bracket. RECOMMENDED FOR SERIES 300-400-500
	AE000028	**8 kW 400/3V ~ ELECTRICALLY INSULATED FLANGED IMMERSION HEATERS** Including: Stainless steel counter flange, gasket, incoloy 825 stainless steel three-part heating element, thermostat and supporting bracket. RECOMMENDED FOR SERIES 400-500
	AE000029	**10 kW 400/3V ~ ELECTRICALLY INSULATED FLANGED IMMERSION HEATERS** Including: Stainless steel 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.
	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** **ISSWC 200-300-400** 	AE000001	**3,0÷6,0 kW 400/3V~ STAINLESS STEEL ELECTRIC KIT (Ø 180 mm)** Including: stainless stell 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 stell 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 stell 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: **ISSWXA 120÷1000** **ISSWWXA 200÷500** 	AM000013	**ELECTRONIC ANODE KIT** Including: counter flange, gasket, fastening elements, titanium anode, control unit, and power cable.	
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. **Suitable for all tank capacities with a 1"½ heating element connection**	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. **For capacities 400–600 L with a 1"½ heating element connection**	
	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. **For capacities 800–2000 L with a 1"½ heating element connection**	

	CODE	DESCRIPTION
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. Lenght 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" ½ tap and gasket

Accessories & kit for heat pumps

		CODE	DESCRIPTION
SERIES: **FUTURA Eco X** **FUTURA Eco X 1 Coil**		**145131**	EPP adapter Ø 190/210
		**145132**	EPP duct extension Ø 180 lenght 500 mm
		**145133**	EPP duct extension Ø 180 lenght 500 mm
		**145134**	Elbow 45‘ EPP Ø 180
		**145135**	Elbow 90‘ EPP Ø 180

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

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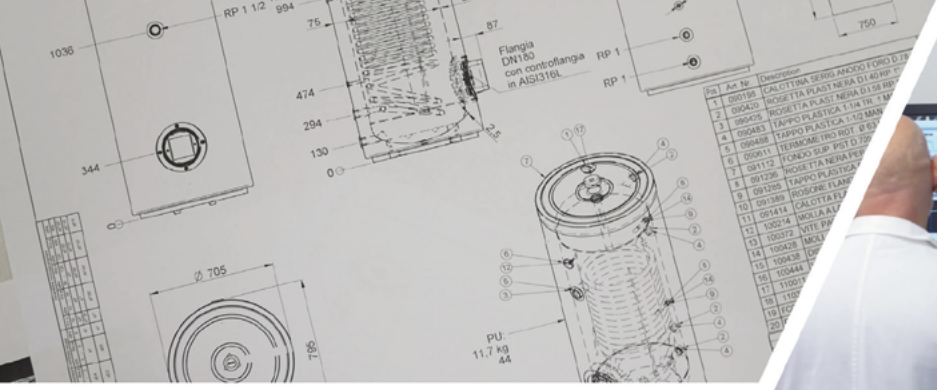
Empower **the future**



2025

March

Italian Technology and Quality

STYLEBOILER

is a brand of GIONA HOLDING

HEAT PUMPS INDIRECT CYLINDERS BUFFER CYLINDERS WATER HEATERS

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