

STYLEBOILER

Italian Technology and Quality

April

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CATALOGUE

Italian Technology and Quality



STYLEBOILER

is a brand of  **GIONA**HOLDING

HEAT PUMPS DHW CYLINDERS BUFFER TANKS WATER HEATERS

April 2026
CATALOGUE

Company

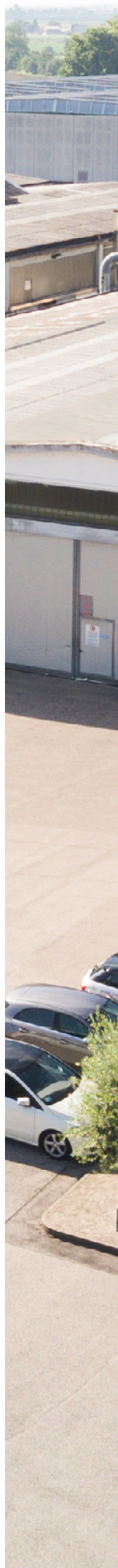
Styleboiler has nearly **fifty years** of experience in the field of equipment for hot water production. In **1969** Mario Giona founded the company in Verona, starting the production of electric and gas water heaters and developing expertise and skills in this sector. Although Styleboiler's roots are in Europe, nowadays it operates all over the world, offering an extensive range of electric 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, expanding into 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 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

All processing phases of the Giona Holding products are strictly controlled and conducted with **accurate processes**, from design to serial production in the S. Maria di Zevio (VR) plants. Every stage of the manufacturing process, from welding to internal treatment and finishing operations, is carried out under strict quality control to ensure compliance with the increasingly demanding requirements of international markets and applicable regulations.

Giona Holding has long been **DNV ISO 9001:2015** certified, this in order to give greater quality guarantees on supplies and/or services, with a constant aim at improving efficiency in the making of our products. To this, we must add certified welding processes (PAW-GTAW-GMAW) - according to **EN 15614** and Dynamic Pressure Testing (Life Test EN 12897.4.4.3). All these certifications ensure full compliance with European Directives, both in terms of safety and energy efficiency.

Our Certifications

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





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ICON LEGEND :



= New products



= New features

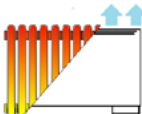
Heat Source Guide

Symbols used to describe the primary heat sources to be combined with the various products:

SYMBOL	DESCRIPTION
	Traditional combustion heating systems (gas, oil, or similar), where the fluid supplied by the generator typically reaches high temperatures. The heat exchanger capacity must be properly matched to the generator output in order to avoid inadequate return temperatures to the generator.
	Biomass heating systems , where the fluid supplied by the generator generally reaches high temperatures. The generator output must be properly matched to the heat exchange capacity of the coil in order to prevent excessively low return water temperatures and condensation on the boiler walls.
	Solar thermal systems , characterized by highly variable operating temperatures depending on seasonal conditions. For this reason, large heat exchange areas are provided and positioned in the lower section of the storage tank in order to take advantage of the natural thermal stratification inside the cylinder.
	Heat pump systems , operate with relatively low water supply temperatures. To maximize the heat pump's coefficient of performance (COP), large heat exchanger surfaces are required.
	Systems that involve the use of electric energy both as a sole source of heat and as an integration with other heat sources. The generator is directly immersed in water and does not have coils.
	Heat pump systems using ambient air energy, where thermal energy is extracted from the surrounding air and transferred to the water through a refrigeration cycle and an external coil wrapped around the tank.

Product Application Guide

Symbols used to describe the different product applications/functions:

SYMBOL	DESCRIPTION
	Domestic hot water production
	Primary water storage for heating
	Hot or chilled water storage for HVAC systems

Integrated Wi-Fi Connectivity:

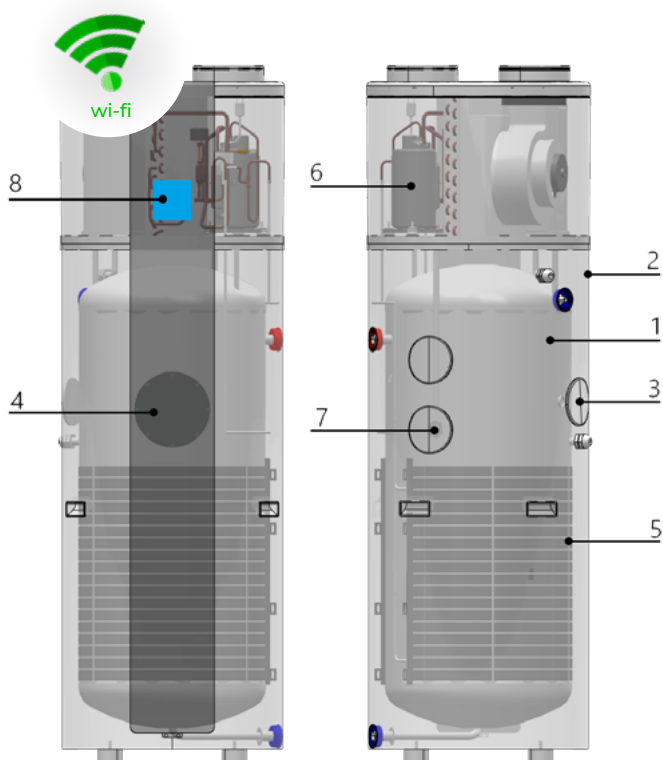
SYMBOL	DESCRIPTION
	Unit with Wi-Fi remote control system



STYLEBOILER

HEAT PUMPS

HEAT PUMPS



Introduction

The **FUTURA ECO X series** of heat pump water heaters has been designed to provide an efficient and sustainable solution for domestic hot water production and storage in residential applications. By harnessing renewable energy from the surrounding air, only a small amount of electricity is required to heat the water, while most of the energy is naturally recovered and transferred through a high-efficiency heat exchanger wrapped around the tank. This technology ensures high energy efficiency, lower operating costs and reduced environmental impact.

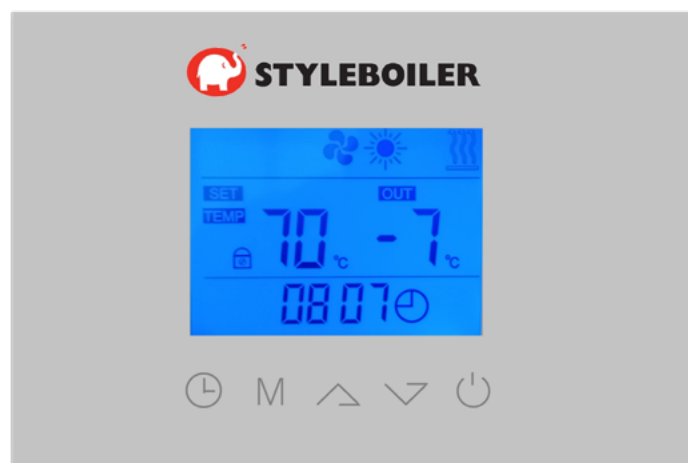
Unit controller

Two interface modes are available with the unit:

- 1) LCD display with integrated touch controls for parameter selection and adjustment.

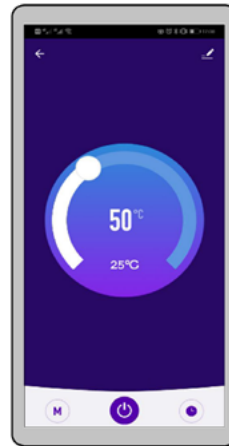
Display Area

User interface



HEAT PUMPS

2) Remote control via Wi-Fi using the dedicated **SMART LIFE** app, available for download on your smartphone or tablet.



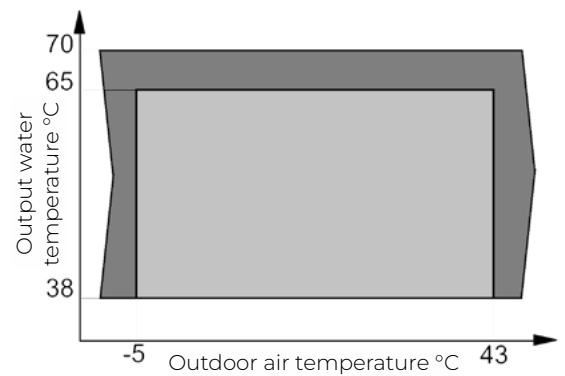
Operating range:

The graph below indicates the range of air and water temperatures produced within which correct operation is guaranteed. The operating range highlights areas where it can operate with the heat pump only and, when necessary, allow the integrated heating element to engage.

Heat pump operation



Integrated heating element running



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

Operating pressure:

6 bar water tank

10 bar solar coil



HEAT PUMPS

Product range: FUTURA ECO X

APPLICATION

Image		
Product name	FUTURA Eco X	FUTURA W Eco X
Type of installation	Floor-standing	Floor-standing
Available sizes	200, 300	200, 300
Tank material	Duplex 2205	
Number of exchangers	0	1
Primary source		
Combinable Heat Source	/	
Energy Class 	A++/ A+	A++/ A+

The coolant

All models use R-290 gas (propane) with very low refrigerant charge (< 150 g). It is a naturally occurring hydrocarbon (HC) with a GWP of 3 and an ODP (Ozone Depletion Potential) of 0.

Integration with other heat source

The heat pump offers several integration options with different energy sources:

1) Integration through an electric heating element installed inside the tank

The electric heating element is directly managed by the unit's electronic control system through various selectable operating algorithms.

2) Use of excess electrical energy from photovoltaic systems

When a surplus photovoltaic energy signal is detected, the unit automatically stores thermal energy.

3) Integration with solar thermal system

On W-version units, solar thermal energy can be transferred to the storage tank through the dedicated coil, with management handled by selectable control logics.

Protection against corrosion

To guarantee the maximum possible resistance to corrosion, the tank, in addition to being made of Duplex 2205, houses an impressed current anode as standard.



Series
Type
Version
Application
Heat Source
Litres

FUTURA ECO X

Heat pump water heater for DHW production
Floor-standing, without coil
DHW production
Ambient air
200-300 litres

ErP 
Energy class

HEAT PUMPS



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

- Use of environmentally-friendly R290 gas
- **DUPLEX 2205 steel water storage tank with 50 mm polyurethane insulation**
- Outer coating in painted sheet metal RAL 9016
- **Tank protection by means of an impressed current anode**
- Front inspection flange
- Floor standing installation
- Possibility of ducting air through Ø 180mm circular ducts
- Micro-channel heat exchanger wrapped around the tank
- Rotary hermetic compressor
- **1500 W electric booster with smart activation management**
- Integrated touch control panel with LCD display
- Available operating modes: Eco, Auto, Boost, Electric, Fan
- **Wi-Fi connection for remote control**
- Configurable digital input for activation when photovoltaic energy is available.
- Programmable disinfection cycle

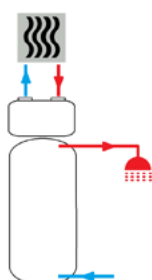
WARRANTY:	ACCESSORIES:
• 5 YEARS FOR THE TANK • 2 YEARS FOR COMPONENTS	P.19



TECHNICAL DATA	Series	FUTURA ECO X	
	Model	200	300
	Code	IU000135	IU000137
Capacity	l	207	285
Average heat pump output	W	1500	1500
Average heat pump power input	W	700	700
Integrated heating element power	W	1500	1500
Maximum power consumption	W	2200	2200
Power supply	V-Ph-Hz	230/1/50	
Refrigerant / GWP	type	R290 / 3	
Refrigerant charge	g	150	150
Load profile	type	L	XL
Heating time	h:min	07:45	11:49
COP	W/W	3.69	3.24
Energy efficiency class	ErP 	A++	A+
Maximum air duct length	m	8	8
Sound power level	dB(A)	51	51
Empty weight	kg	80	85
Tank diameter x height (ØD x H)	mm	Ø 560x1745	Ø 600x2030
Air duct diameter (D)	mm	177	177
Hydraulic IN/OUT connection size	inch	G 3/4 "	G 3/4 "

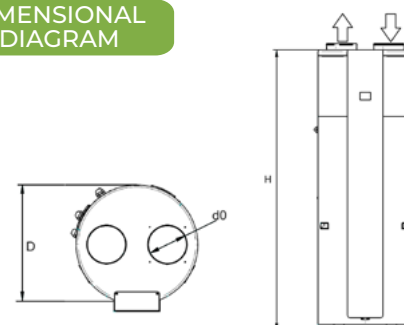
- Test in accordance with EN16147-2017 standard with an air inlet temperature of 7°C (6°C), storage tank storage ambient temperature of 20°C, water heating from 10°C to 55°C.

CONNECTIONS



TECHNICAL DATA SHEET

DIMENSIONAL DIAGRAM



STAINLESS STEEL INDIRECT CYLINDERS

GLASS-LINED INDIRECT CYLINDERS

COMBI INDIRECT CYLINDERS

STORAGE TANKS

WATER HEATERS



Series
Type
Version
Application
Heat Source
Litres

FUTURA ECO X W

Heat Pump for DHW production
Floor-standing, single coil
DHW production
Ambient air – Solar forced circulation
200-300 litres

ErP **A++**
Energy class



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

- Use of environmentally-friendly R290 gas
- **DUPLEX 2205 steel water storage tank with 50 mm polyurethane insulation**
- Outer coating in painted sheet metal RAL 9016
- **Tank protection by means of Impressed current anode**
- Front inspection flange
- Floor standing installation
- Possibility of channelling intake and exhaust air through Ø 180mm circular ducts
- Micro-channel heat exchanger wrapped around the tank
- Rotary hermetic compressor
- **1500 W additional heating element with selectable activation logics**
- Integrated touch control panel with LCD display
- Available operating modes: Eco, Auto, Boost, Electric, Fan
- **Wi-Fi connection for remote control**
- Configurable digital input for activation when photovoltaic energy is available. Equipped with solar coil for mod. 200 W and 300 W and related logics for solar pump management.
- Programmable disinfection cycle

WARRANTY: ACCESSORIES:

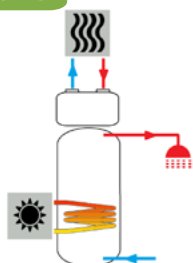
- **5 YEARS FOR THE TANK**
- **2 YEARS FOR COMPONENTS**
- P.19**



TECHNICAL DATA	Series	FUTURA ECO X W	
	Model	200	300
	Code	IU000136	IU000138
Capacity	l	207	285
Average heat pump output	W	1500	1500
Average heat pump power input	W	700	700
Integrated heating element power	W	1500	1500
Maximum power consumption	W	2200	2200
Power supply	V-Ph-Hz	230/1/50	
Refrigerant / GWP	type	R290 / 3	
Refrigerant charge	g	150	150
Solar coil surface	m ²	0.7	0.7
Load profile	type	L	XL
Heating time	h:min	07:45	11:49
COP	W/W	3.69	3.24
Energy efficiency class	ErP	A++	A+
Maximum air duct length	m	8	8
Sound power level	dB(A)	51	51
No-load weight	kg	85	90
Tank diameter × height (ØD × H)	mm	Ø 560x1745	Ø 600x2030
Air duct diameter (D)	mm	177	177
Hydraulic IN/OUT connection size	inch	G 3/4 "	G 3/4 "
Solar coil connections size	inch	G 3/4 "	G 3/4 "

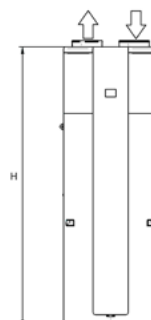
- Test in accordance with EN16147-2017 standard with an air inlet temperature of 7°C (6°C), storage tank storage ambient temperature of 20°C, water heating from 10°C to 55°C.

CONNECTIONS



TECHNICAL DATA SHEET

DIMENSIONAL DIAGRAM



Accessories & kit

for HEAT PUMPS

				COMPATIBLE WITH:		
				FUTURA ECO X		
REF.	CODE	DESCRIPTION	200	200 W	300	300 W
	145131	EPP adapter Ø 190/210	x	x	x	x
	145132	EPP extension Ø 180 length 500 mm	x	x	x	x
	145133	EPP extension Ø 180 length 1000 mm	x	x	x	x
	145134	45° Elbow EPP Ø180	x	x	x	x
	145135	90° Elbow EPP Ø180	x	x	x	x



STYLEBOILER

INDIRECT CYLINDERS STAINLESS STEEL

STAINLESS STEEL INDIRECT CYLINDERS



Introduction

The range of stainless steel indirect cylinders is available with one or two fixed coils featuring large heat exchange surfaces, ensuring an abundant and reliable domestic hot water supply for a wide range of applications. The units can be connected to individual or central heating systems, district heating networks and forced-circulation solar thermal systems, providing high heat transfer efficiency and excellent performance. The range covers capacities from **120 to 1,000 litres**, with heat exchanger outputs ranging from **20 kW to over 100 kW**. Manufactured from **AISI 316L stainless steel (EN 1.4404)**, these cylinders offer outstanding corrosion resistance, long service life and premium performance.



The technology

The use of AISI 316L stainless steel (EN 1.4404) ensures excellent product quality and highly effective corrosion protection. All products undergo a pickling and passivation treatment to further enhance corrosion resistance and guarantee long-lasting durability.

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

Safety

The cylinders are insulated with polyurethane foam, certified as Class B2 according to DIN 4102 (self-extinguishing), ensuring improved fire performance and enhanced safety.

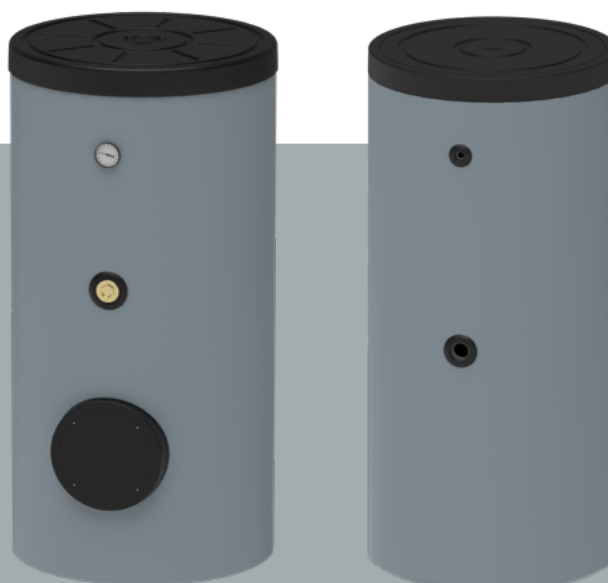
Environmentally friendly

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 chlorofluorocarbons (CFCHCFC) in the insulation layer and makes continuous efforts to use recyclable components.

STAINLESS STEEL INDIRECT CYLINDERS

Product range: Floor-standing

APPLICATION	INDIRECT DHW PRODUCTION			
Image				
Product name	ISSWXA	ISSWWXA	ISSWPXA	ISSWWPXA
Type of installation	Floor-standing	Floor-standing	Floor-standing	Floor-standing
Available sizes	200, 300, 400, 500, 750, 1000	200, 300, 400, 500	200, 300, 400, 500	300, 400, 500
Tank material	AISI 316L STEEL			
Number of exchangers	1	2	1	2
Primary source	  	 		
Combinable Heat Source	/		/	
Energy Class 	B / C	B	B	B





Series
Type
Version
Application
Heat Source
Litres

ISSWXA

Floor-standing STAINLESS STEEL Indirect Cylinder
Single-coil
DHW production
Solar - Gas Boiler - District Heating
From 120 to 1000 litres

ErP **B**

Energy class



The fixed-coil storage indirect cylinders are made with technologies that guarantee the highest quality and durability over time thanks to the use of special materials and sophisticated technological solutions such as "TIG" and "Plasma" welding, suitable for all uses.

- AISI 316L stainless steel storage tank (EN 1.4404) with pickling and passivation treatment
- Front inspection handhole (100x150 mm) from 120 to 500 lt
- Front inspection hatch (DN 180) from 750 to 1000 lt
- Coil with lowered loops, allowing heat transfer to reach the lowest part of the tank for improved thermal stratification and reduced limescale build-up.
- Outer coating in grey plastic (PVC) RAL 7001 from 120 to 500 lt
- Outer coating in white plastic (ABS) RAL 9010 from 750 to 1000 lt
- Probe holder connections
- Possibility to install an impressed current anode (optional)
- Recirculation fitting
- Rear hydraulic connections
- Thick-layer polyurethane foam (PU) insulation with very high energy efficiency ($\lambda = 0.022 \text{ W/mK}$) from 120 to 500 lt
- Removable graphite EPS insulation (from 750 to 1000 lt)
- Adjustable floor supporting feet
- 1" 1/2 connection for electric heating element integration KIT (optional)

WARRANTY:	ACCESSORIES:
• 5 YEARS FOR THE TANK • 2 YEARS FOR COMPONENTS	P.28



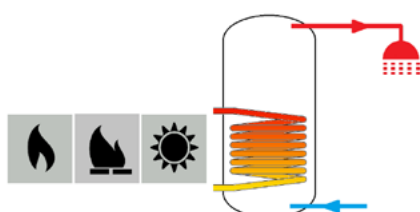
EN 1.4404



Series		ISSWXA							
TECHNICAL DATA	Model	120	160	200	300	400	500	750	1000
	Code	IU000147	IU000148	IU000149	IU000150	IU000151	IU000152	IU000153	IU000154
Actual gross DHW capacity	l	118	149	197	315	409	487	741	953
Heat exchanger surface area	m ²	0.6	1.1	1.3	1.5	1.7	2.1	3.0	3.5
Heat exchanger power ($\Delta T35k$)*	kW	27	45	51.5	61	69	79	107	112
DHW production ($\Delta T35k$)*	l/h	663	1106	1265	1499	1695	1941	2629	2752
Primary flow rate	m ³ /h	2	2	2	3	3	3	3	3
Pressure drop	mbar	30	55	65	102	116	143	204	238
Insulation type	-	Rigid PU foam						Removable EPS	
Insulation thickness	mm	≥50	≥50	≥75	≥75	≥75	≥75	≥105	≥105
ErP energy class		B	B	B	B	B	B	C	C
ErP Heat Loss Watt	W	≤45	≤52	≤55	≤65	≤73	≤80	≤105	≤120
Max. operating temp.	°C	95	95	95	95	95	95	95	95
Max. tank/exchanger 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	0.6 /1.2	0.6 /1.2
Net weight	kg	33	45	48	69	107	124	151	176
General dimensions:	Ø D	550	550	650	705	785X805	785X805	990	990
	H	924	1174	1310	1510	1518	1782	1854	2302
Tilt height	mm	1075	1300	1470	1675	1700	1930	1840	2270

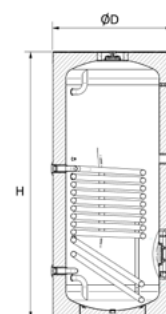
Notes: * Primary temperature 80°C Secondary temperature 10/45°C Flow rate specified in the DHW table = Domestic hot water production

CONNECTIONS



TECHNICAL DATA SHEET

DIMENSIONAL DIAGRAM





Series
Type
Version
Application
Heat Source
Litres

ISSWWXA

Floor-standing STAINLESS STEEL Indirect Cylinder
Double-coil
DHW production
Solar - Gas Boiler - District Heating
From 120 to 500 litres



The fixed-coil storage indirect cylinders are made with technologies that guarantee the highest quality and durability over time thanks to the use of special materials and sophisticated technological solutions such as "TIG" and "Plasma" welding, suitable for all uses.



- AISI 316L (EN 1.4404) stainless steel storage tank with pickling and passivation treatment
- Front inspection handhole (100x150 mm)
- Coils with lowered turns to optimise heat exchange and to reduce limescale occurrence
- Outer coating in grey plastic (PVC) RAL 7001
- Probe holder connections
- Possibility to install an impressed current anode
- Recirculation fitting
- Rear hydraulic connections
- Thick-layer polyurethane foam (PU) insulation with very high energy efficiency ($\lambda = 0.022 \text{ W/mK}$)
- Adjustable floor supporting feet
- 1" 1/2 connection for electric heating element integration KIT (optional)

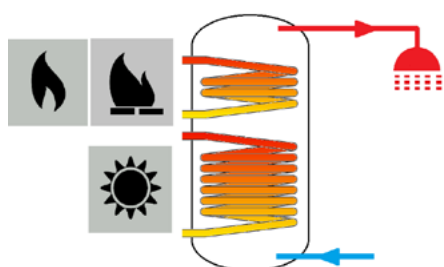


WARRANTY:	ACCESSORIES:
• 5 YEARS FOR THE TANK • 2 YEARS FOR COMPONENTS	P.28

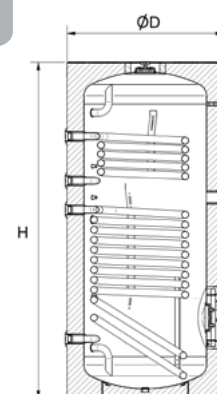
TECHNICAL DATA	Series	ISSWWXA			
	Model	200	300	400	500
	Code	IU000155	IU000156	IU000157	IU000158
Actual gross DHW capacity	l	197	315	409	487
Top/Bottom heat exchanger surface area	m ²	1.3/0.5	1.5/0.7	1.7/0.7	2.1/1.0
Top/Bottom heat exchanger power (ΔT_{35k})*	kW	51.5/25	61/32	69/32	79/41.5
Top/Bottom DHW production (ΔT_{35k})*	l/h	1265/614	1499/787	1695/787	1941/1020
Top/Bottom heat exchanger water flow rate	m ³ /h	2/2	3/2	3/2	3/2
Top/Bottom Pressure drop	mbar	65/25	102/24	116/24	143/34
Insulation type	-	Rigid PU foam			
Insulation thickness	mm	≥75	≥75	≥75	≥75
ErP energy class		B	B	B	B
ErP Heat Loss Watt	W	≤ 59	≤ 67	≤ 75	≤ 81
Max. operating temp.	°C	95	95	95	95
Max. tank/exchanger operating pressure	MPa	0.6 /1.2	0.6 /1.2	0.6 /1.2	0.6 /1.2
Net weight	kg	54.5	77	115.3	136
General dimensions:	Ø D mm H mm	650 1310	705 1510	785X805 1518	785X805 1782
Tilt height	mm	1470	1675	1700	1930

Notes: * Primary temperature 80°C Secondary temperature 10/45°C Flow rate specified in the DHW table = Domestic hot water production

CONNECTIONS



DIMENSIONAL DIAGRAM





Series
Type
Version
Application
Heat Source
Litres

ISSWPXA



Floor-standing STAINLESS STEEL Indirect Cylinder
Single-coil
DHW production
Heat Pump
From 200 to 500 litres

ErP **B**
Energy class



The fixed-coil storage indirect cylinders are made with technologies that guarantee the highest quality and durability over time thanks to the use of special materials and sophisticated technological solutions such as "TIG" and "Plasma" welding, suitable for all uses.

- AISI 316L (EN 1.4404) stainless steel storage tank with pickling and passivation treatment
- Top inspection handhole
- HIGH OUTPUT Coil with lowered loops, allowing heat transfer to reach the lowest part of the tank for improved thermal stratification and reduced limescale build-up.
- Outer coating in grey plastic (PVC) RAL 7001
- Probe holder connections
- Possibility to install an impressed current anode
- Recirculation fitting
- Hydraulic fittings positioned at the rear
- Thick-layer polyurethane foam (PU) insulation with very high energy efficiency ($\lambda = 0.022 \text{ W/mK}$)
- Adjustable floor supporting feet
- 1" 1/2 connection for electric heating element integration KIT (optional)



EN 1.4404

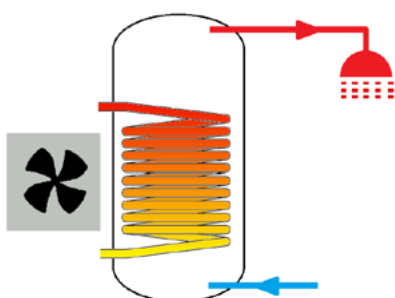


WARRANTY:	ACCESSORIES:
• 5 YEARS FOR THE TANK • 2 YEARS FOR COMPONENTS	P.28

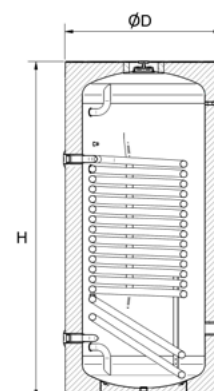
TECHNICAL DATA	Series ISSWPXA				
	Model	200	300	400	500
	Code	IU000183	IU000184	IU000185	IU000186
Actual gross DHW capacity	l	197	315	409	487
Heat exchanger surface area	m ²	2.2	2.9	3.3	4.2
Heat exchanger power (ΔT_{35k})*	kW	54	63	69	82
DHW production (ΔT_{35k})*	l/h	1327	1548	1695	2014
Primary flow rate	m ³ /h	2	3	3	3
Pressure drop	mbar	149	199	227	288
Insulation type	-	Rigid PU foam			
Insulation thickness	mm	≥50	≥75	≥75	≥75
ErP energy class	ErP	B	B	B	B
ErP Heat Loss Watt	W	≤59	≤65	≤73	≤80
Max. operating temp.	°C	95	95	95	95
Max. tank/exchanger operating pressure	MPa	0.6 /1.2	0.6 /1.2	0.6 /1.2	0.6 /1.2
Net weight	kg	55	75	102	121
General dimensions:	Ø D mm H mm	550 1521	705 1510	780X805 1518	780X805 1782
Tilt height	mm	1600	1675	1700	1930

Notes: * Primary temperature 80°C Secondary temperature 10/45°C Flow rate specified in the DHW table = Domestic hot water production

CONNECTIONS



DIMENSIONAL DIAGRAM





Series
Type
Version
Application
Heat Source
Litres

ISSWWPXA



Floor-standing STAINLESS STEEL Indirect Cylinder
Double-coil
DHW production
Solar Heat Pump
From 300 to 500 litres

ErP  B 
Energy class



The fixed-coil storage indirect cylinders are made with technologies that guarantee the highest quality and durability over time thanks to the use of special materials and sophisticated technological solutions such as "TIG" and "Plasma" welding, suitable for all uses.

- AISI 316L (EN 1.4404) stainless steel storage tank with pickling and passivation treatment
- Top inspection handhole
- HIGH OUTPUT double Coil with lowered loops, allowing heat transfer to reach the lowest part of the tank for improved thermal stratification and reduced limescale build-up.
- Outer coating in grey plastic (PVC) RAL 7001
- Probe holder connections
- Possibility to install an impressed current anode
- Recirculation fitting
- Rear hydraulic connections
- Thick-layer polyurethane foam (PU) insulation with very high energy efficiency ($\lambda = 0.022 \text{ W/mK}$)
- Adjustable floor supporting feet
- 1" ½ connection for electric heating element integration KIT (optional)

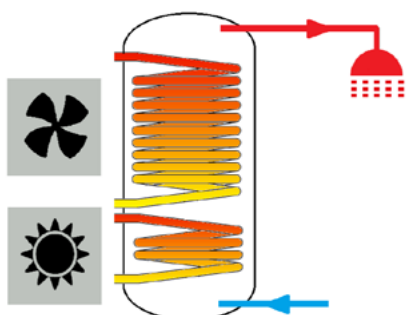
WARRANTY:	ACCESSORIES:
• 5 YEARS FOR THE TANK • 2 YEARS FOR COMPONENTS	P.28



TECHNICAL DATA	Series ISSWWPXA			
	Model	300	400	500
	Code	IU000189	IU000190	IU000191
Actual gross DHW capacity	l	315	409	487
Top/Bottom heat exchanger surface area	m ²	0.4/3.2	0.7/3.6	0.7/3.6
Top/Bottom heat exchanger power (ΔT_{35k})*	kW	18/60	32/65	32/65
Top/Bottom DHW production (ΔT_{35k})*	l/h	442/1474	787/1597	787/1597
Top/Bottom heat exchanger water flow rate	m ³ /h	2/3	2/3	2/3
Top/Bottom Pressure drop	mbar	9/171	16/192	16/192
Insulation type	-	Rigid PU foam		
Insulation thickness	mm	≥75	≥75	≥75
ErP energy class		B	B	B
ErP Heat Loss Watt	W	≤ 65	≤ 73	≤ 80
Max. operating temp.	°C	95	95	95
Max. tank/exchanger operating pressure	MPa	0.6 /1.2	0.6 /1.2	0.6 /1.2
Net weight	kg	84	106	125
General dimensions:	Ø D H	mm mm	705 1510	780X805 1518
Tilt height	mm	1675	1700	1930

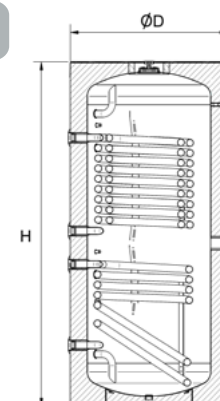
Notes: * Primary temperature 80°C Secondary temperature 10/45°C Flow rate specified in the DHW table = Domestic hot water production

CONNECTIONS



TECHNICAL DATA SHEET

DIMENSIONAL DIAGRAM





Accessories & kit

for STAINLESS STEEL INDIRECT CYLINDERS

Electric heating element kit for installation on the special 1 1/2" sleeve

Consisting of: an INCOLOY 825 stainless steel heating element on a 1" 1/2 INSULATED MATERIAL coupling, a gas-gasket, an external safety and control thermostat, for installation on a threaded connection designed specifically for high-performance stainless steel products.

				COMPATIBLE WITH:					
				SIZE					
REF.	CODE	DESCRIPTION	VERSION	120	160	200	300	400	500
	RE000032	Single-phase 1" 1/2 Stainless Steel Insulated Electric Kit 2.5 kW 230 V~	ISSWXA	x	x	x	x	x	x
			ISSWWXA			x	x	x	x
			ISSWPXA			x	x	x	x
			ISSWWPXA				x	x	x
	RE000033	Single-phase 1" 1/2 Stainless Steel Insulated Electric Kit 3.0 kW 230 V~	ISSWXA	x	x	x	x	x	x
			ISSWWXA			x	x	x	x
			ISSWPXA				x	x	x
			ISSWWPXA				x	x	x
	RE000034	Three-phase 1" 1/2 Stainless Steel Insulated Electric Kit 4.5 kW 400/3 V~	ISSWXA			x	x	x	x
			ISSWWXA			x	x	x	x
			ISSWPXA				x	x	x
			ISSWWPXA				x	x	x
	RE000035	Three-phase 1" 1/2 Stainless Steel Insulated Electric Kit 6.0 kW 400/3 V~	ISSWXA					x	x
			ISSWWXA					x	x
			ISSWPXA					x	x
			ISSWWPXA					x	x

Impressed current anode kit with titanium rod

Made out of counter-flange, gasket, fasteners, titanium anode, control unit and power cable.

				COMPATIBLE WITH:					
				SIZE					
REF.	CODE	DESCRIPTION	VERSION	120	160	200	300	400	500
	AM000013	Impressed current anode kit pm 97x80	ISSWXA	x	x	x	x	x	x
			ISSWWXA			x	x	x	x
			ISSWPXA			x	x		
			ISSWWPXA				x		
	AM000014	Impressed current anode kit for 8-hole flange	ISSWPXA					x	x
			ISSWWPXA					x	x

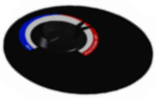


Accessories & kit

for STAINLESS STEEL INDIRECT CYLINDERS

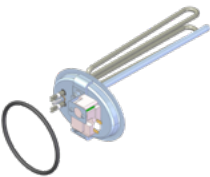
Thermostat priority kit with regulation dial

Consisting of: a screen-printed flange cover, a control thermostat (max. 63°C), cables and a terminal block.

COMPATIBLE WITH:									
REF.	CODE	DESCRIPTION	VERSION	SIZE					
				120	160	200	300	400	500
	071172	Priority Thermostat Kit	ISSWXA	x	x	x	x	x	x
			ISSWWXA			x	x	x	x

Electric heating element kit for installation on the front flange 100x150 mm

Consisting of: a 100x150 mm stainless steel counter-flange, a gasket, an insulated Incoloy 825 (EN 2.4858) electric heating element and a double-bulb thermostat (safety and control).

COMPATIBLE WITH:									
REF.	CODE	DESCRIPTION	VERSION	SIZE					
				120	160	200	300	400	500
	AM000017	Single-phase Stainless Steel Electric Kit 1.7 kW 230 V~ (FL. Ø 100x150 mm L 300)	ISSWXA	x	x	x			
			ISSWWXA			x			
	AM000008	Single-phase Stainless Steel Electric Kit 2.0 kW 230 V~ (FL. Ø 100x150 mm L 360)	ISSWXA				x	x	x
			ISSWWXA				x	x	x
	AM000011	Single-phase Stainless Steel Electric Kit 3.0 kW 230 V~ (FL. Ø 100x150 mm L 480)	ISSWXA				x	x	x
			ISSWWXA				x	x	x



STYLEBOILER

INDIRECT CYLINDERS **GLASS-LINED**

GLASS-LINED INDIRECT CYLINDERS



Introduction

The indirect cylinder range consists of indirect heating cylinders with one/two fixed coils. They provide an easy and abundant supply of hot water for each type of use. They can be connected to autonomous heating systems, centralised heating systems, district heating systems or they can be used in forced circulation solar heating systems, ensuring high heat transfer efficiency. The covered capacity range starts from **120 to 2000 litres** with coil capacities ranging from **20 kW up to over 250 kW**. The product lines range from the "Under-boiler", ideal to be combined with any wall-mounted storage tank, aimed at producing high quantities of hot water in a compact design, to the multipurpose "Floor-standing" version, consisting of single- and double-coil indirect cylinders that can integrate many types of available energy, from conventional fuels by storage tank, to electric by means of an integration kit or solar by means of forced circulation thermal systems.



Under-boiler

Ideal to be combined with any wall-mounted gas boiler to produce large quantities of hot water in a compact design.



FREE STANDING CYLINDERS

A versatile range of single- and double-coil indirect cylinders designed to seamlessly integrate multiple energy sources, including conventional boilers, electric backup heating via optional immersion heater kits, and forced-circulation solar thermal systems.

GLASS-LINED INDIRECT CYLINDERS

Magnesium anode

All models in the range feature an integrated electrochemical protection system, ensuring continuous protection of the storage tank against corrosion.

Thermal insulation

With very thick high-density polyurethane (PU) foam to guarantee optimal thermal insulation.

Durable protection

The inner surface is coated using a flow-coating enamelling process at 850°C, providing durable and reliable internal protection. The enamelling process is WRAS (BS 6920-1) approved and KTW-BWGL compliant, according to the specifications of the German Environment Agency (UBA).

Safety

The cylinders are insulated with high-density polyurethane (PU) foam, certified as Class B2 according to DIN 4102 (self-extinguishing), ensuring enhanced fire performance.

Environmentally friendly

We are strongly committed to reducing the environmental impact of our industrial activities and pay particular attention to the recyclability of materials and components throughout the product life cycle.



GLASS-LINED INDIRECT CYLINDERS

Product range: Under-boiler INDIRECT CYLINDERS

APPLICATION	INDIRECT DHW PRODUCTION	
Image		
Product name	ISSWTA	ISSWT
Type of installation	Under-boiler	Under-boiler
Available sizes	120, 160	120, 160
Tank material	Glass-lined carbon steel	
Number of exchangers	1	1
Primary source		
Secondary Heat Source	/	/
Energy Class 	A	B

Product range: CLASS A PREMIUM INDIRECT CYLINDERS

APPLICATION	INDIRECT DHW PRODUCTION			
Image				
Product name	ISSWA	ISSWWA	ISSWPA	ISSWWPA
Type of installation	Floor-standing	Floor-standing	Floor-standing	Floor-standing
Available sizes	120, 160, 200, 300, 400, 500	200, 300, 400, 500	160, 200, 300, 400, 500	400, 500
Tank material	Glass-lined carbon steel			
Number of exchangers	1	2	1	2
Primary source	  	 		
Secondary Heat Source	/		/	
Energy Class 	A	A	A	A

GLASS-LINED INDIRECT CYLINDERS

Product range: **PERFORM** INDIRECT CYLINDERS

APPLICATION		INDIRECT DHW PRODUCTION						
Image								
Product name	ISSW		ISSWW		ISSWP		ISSWWP	
Type of installation	Floor-standing		Floor-standing		Floor-standing		Floor-standing	
Available sizes	120, 160, 200, 300, 400, 500, 800, 1000, 1500, 2000		200, 300, 400, 500, 800, 1000, 1500, 2000		200, 300, 400, 500, 600, 800, 1000		400, 500, 800, 1000	
Tank material	Glass-lined carbon steel							
Number of exchangers	1		2		1		2	
Primary source	  		 					
Secondary Heat Source	/				/			
Energy Class 	B / C		B / C		B / C		B / C	

Product range: **EASY** INDIRECT CYLINDERS

APPLICATION		INDIRECT DHW PRODUCTION				
Image						
Product name	ISSWE		ISSWWE		ISSWPE	
Type of installation	Floor-standing		Floor-standing		Floor-standing	
Available sizes	120, 160, 200, 300, 400, 500		200, 300, 400, 500		160, 200, 300, 400, 500	
Tank material	Glass-lined carbon steel					
Number of exchangers	1		2		1	
Primary source	  		 			
Secondary Heat Source	/				/	
Energy Class 	B / C		B / C		B / C	



INDIRECT CYLINDERS
Under-boiler
HIGH EFFICIENCY

Class
A



Series

Type

Version

Application

Heat Source

Litres

ISSWTA CLASS A

Glass-Lined Under-boiler Indirect Cylinder

Single-coil

DHW production

Gas Boiler - District Heating

From 120 to 160 litres

ErP **A**
Energy class

The vertical single-coil storage indirect cylinders are designed to be combined with any wall-mounted gas boiler for the production of large quantities of hot water in a compact design. The high efficiency thick PU insulation has allowed us to reach **Class A** for maximum energy efficiency in domestic hot water storage.



- Steel storage tank, glass-lined "Blue Glass 4753" using the flow-coating method (850°C), WRAS (BS6920-1) and KTW-BWGL approved according to UBA specifications (German Environmental Agency)
- Thick-layer polyurethane foam (PU) insulation with very high energy efficiency (Lambda 0.022 W/mK)
- Long-life magnesium anode
- Drain tap
- Outer casing in ABS
- Optimised coil for maximum heat exchange and to reduce limescale occurrence
- Recirculation and discharge connections
- Hydraulic fittings in the upper part to facilitate coupling with a wall-mounted storage tank
- Adjustable floor supporting feet
- Stored water temperature indicator

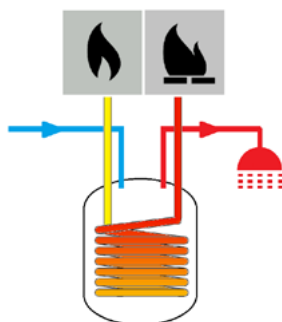


WARRANTY:	ACCESSORIES:
• 5 YEARS FOR THE TANK • 2 YEARS FOR COMPONENTS	P.51

TECHNICAL DATA	Series	ISSWTA	
	Model	120	160
	Code	186317	186318
Capacity	l	117	155
Heat exchanger surface area	m ²	1.15	1.2
Heat exchanger power [DT 35°C]	kW	32	33.3
Continuous DHW production [DT 35°C]	l/h	780	823
Primary flow rate	m ³ /h	2	2
Pressure drop	mbar	170	172
Insulation type	-	Rigid PU foam	
Insulation thickness	mm	≥75	≥75
ErP energy class		A	A
ErP Heat Loss Watt	W	≤ 33	≤ 37
Max. operating temp.	°C	95	95
Max. tank/exchanger operating pressure	MPa	0.6 / 1.2	0.6 / 1.2
Net weight	kg	60	68
General dimensions:	Ø D H mm mm	650 850	650 1050

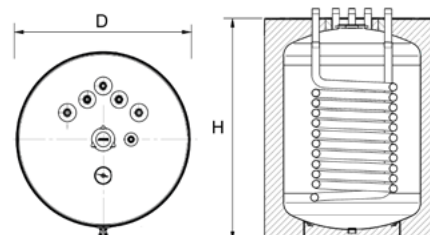
Notes: * Primary temperature 80°C Secondary temperature 10/45°C Flow rate specified in the DHW table = Domestic hot water production

CONNECTIONS



TECHNICAL DATA SHEET

DIMENSIONAL DIAGRAM





ISSWT

Series	Glass-Lined Under-boiler Indirect Cylinder
Type	Single-coil
Version	Single-coil
Application	DHW production
Heat Source	Gas Boiler - District Heating
Litres	From 120 to 160 litres

The vertical single-coil storage indirect cylinders are designed to be combined with any wall-mounted gas boiler for the production of large quantities of hot water in a compact design. The rectangular design makes it ideal for Under-boiler installation. 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 disassembled at the end of its life cycle, so as to allow the correct recycling and/or disposal of its components. Ideal for domestic use.



- Steel storage tank, glass-lined "Blue Glass 4753" using the flow-coating method (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)
- Long-life magnesium anode
- Optimised coil for maximum heat exchange and to reduce limescale occurrence.
- Recirculation fitting and drain tap
- Hydraulic fittings in the upper part to facilitate coupling with a wall-mounted storage tank
- Self-extinguishing and very thick high-density (EPS) polystyrene shell insulation
- Outer casing in PVC
- Adjustable floor supporting feet

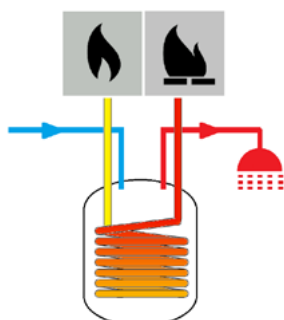


WARRANTY:	ACCESSORIES:
• 5 YEARS FOR THE TANK • 2 YEARS FOR COMPONENTS	P.51

TECHNICAL DATA	Series	ISSWT	
	Model	120	160
	Code	171936	171937
Capacity	l	117	155
Heat exchanger surface area	m ²	1.15	1.2
Heat exchanger power [DT 35°C]	kW	32	33.3
Continuous DHW production [DT 35°C]	l/h	780	823
Primary flow rate	m ³ /h	2	2
Pressure drop	mbar	170	172
Insulation type	-	EPS shells	
Insulation thickness	mm	≥30	≥30
ErP energy class		C	C
ErP Heat Loss Watt	W	≤ 70	≤ 76
Max. operating temp.	°C	95	95
Max. tank/exchanger operating pressure	MPa	0.6 /1.2	0.6 /1.2
Net weight	kg	54	64
General dimensions:	L x P H mm	561x576 845	561x576 1045

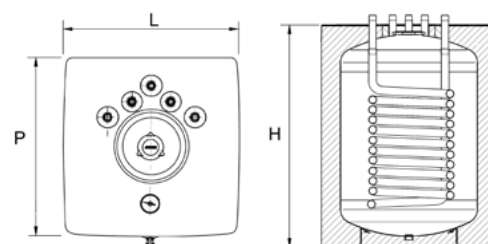
Notes: * Primary temperature 80°C Secondary temperature 10/45°C Flow rate specified in the DHW table = Domestic hot water production

CONNECTIONS



TECHNICAL DATA SHEET

DIMENSIONAL DIAGRAM







Series
Type
Version
Application
Heat Source
Litres

ISSWA



CLASS A Glass-lined Indirect Cylinder
Single-coil
DHW production
Solar - Gas Boiler - District Heating
From 120 to 500 litres

ErP A
Energy class

Available from **October**



Single-coil indirect cylinders provide indirect water heating. They provide a reliable and abundant supply of domestic hot water for a wide range of applications. They can be connected to central heating systems and integrated with additional heat sources. Suitable for a wide range of residential and commercial applications. The series has a square shape to increase the average thickness of the insulation with the same maximum overall dimensions, guaranteeing class A thermal insulation.

- Steel storage tank, glass-lined "Blue Glass 4753" using the flow-coating method (850°C), WRAS (BS6920-1) and KTW-BWGL approved according to UBA specifications (German Environmental Agency)
- Specially designed coil with lowered elliptical loops to heat the lowest area of the tank, ensuring improved performance and reduced limescale formation.
- Recirculation fitting
- Ø 180 mm front inspection hatch
- ½" threaded socket for a temperature probe pocket
- Polyurethane foam (PU) insulation with very high energy efficiency (Lambda 0.022 W/mK)
- Electric heating element integration kits available with single- and three-phase connections

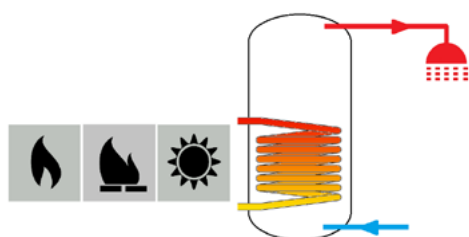


WARRANTY:	ACCESSORIES:
• 5 YEARS FOR THE TANK • 2 YEARS FOR COMPONENTS	P.51

TECHNICAL DATA	Series	ISSWA					
	Model	120	160	200	300	400	500
	Code	FU000201	FU000202	FU000203	FU000204	FU000205	FU000206
Actual gross DHW capacity	l	119	159	202	301	400	478
Heat exchanger surface area	m ²	0.7	0.9	1.1	1.4	1.6	1.8
Heat exchanger power (ΔT35k)*	kW	20.9	26.4	31.7	36.7	41.5	46
DHW production (ΔT35k)*	l/h	513	649	778	902	1020	1130
Primary flow rate	m ³ /h	2	2	2	3	3	3
Pressure drop	mbar	57	74	90	26	30	34
Insulation type	-	Rigid PU foam					
Maximum insulation thickness	mm	162	162	162	205	205	205
ErP energy class		A	A	A	A	A	A
ErP Heat Loss Watt	W	30	35	41	43	51	56
Max. operating temp.	°C	95	95	95	95	95	95
Max. tank/exchanger 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	45	54	70	104	126	143
General dimensions:	L x P mm	580X580	580X580	580X580	750X750	750X750	750X750
	H mm	971	1221	1491	1346	1696	1971
Tilt height	mm	1130	1355	1600	1525	1840	2095

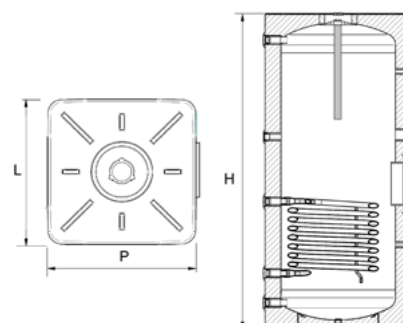
Notes: * Primary temperature 80°C Secondary temperature 10/45°C Flow rate specified in the DHW table = Production

CONNECTIONS



TECHNICAL DATA SHEET

DIMENSIONAL DIAGRAM



Series

Type

Version

Application

Heat Source

Litres

ISSWWAErP **A**
Energy classAvailable from **October**

Class A Glass-lined Indirect Cylinder

Double-coil

DHW production

Solar - Gas Boiler - District Heating

From 120 to 500 litres



Double fixed-coil storage indirect cylinders use indirect heating. They provide an easy and abundant supply of hot water for each type of use. They can be connected to central heating systems and fitted with further integration systems. Recommended for all uses. The series has a square shape to increase the average thickness of the insulation with the same maximum overall dimensions, guaranteeing class A thermal insulation

- Steel storage tank, glass-lined "Blue Glass 4753" using the flow-coating method (850°C), WRAS (BS6920-1) and KTW-BWGL approved according to UBA specifications (German Environmental Agency)
- Specially designed coil with lowered elliptical loops to heat the lowest area of the tank, ensuring improved performance and reduced limescale formation.
- Recirculation fitting
- Ø 180 mm front inspection hatch
- ½" threaded socket for a temperature probe pocket
- Polyurethane foam (PU) insulation with very high energy efficiency (Lambda 0.022 W/mK)
- Electric heating element integration kits available with single- and three-phase connections

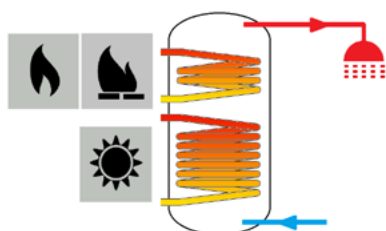


WARRANTY:	ACCESSORIES:
• 5 YEARS FOR THE TANK • 2 YEARS FOR COMPONENTS	P.51

TECHNICAL DATA	Series	ISSWWA			
	Model	200	300	400	500
	Code	FU000207	FU000208	FU000209	FU000210
Actual gross DHW capacity	l	202	301	400	478
Top/Bottom heat exchanger surface area	m ²	1.1/0.5	1.4/0.8	1.6/0.8	1.8/0.8
Top/Bottom heat exchanger power (ΔT35k)*	kW	31.7/16.6	36.7/20.4	41.5/20.4	46/20.4
Top/Bottom DHW production (ΔT35k)*	l/h	778/407	902/502	1020/502	1130/502
Primary flow rate	m ³ /h	2/2	3/2	3/2	3/2
Pressure drop	mbar	90/41	40/6	45/6	51/6
Insulation type	-	Rigid PU foam			
Maximum insulation thickness	mm	162	205	205	205
ErP energy class	ErP	A	A	A	A
ErP Heat Loss Watt	W	41	43	51	56
Max. operating temp.	°C	95	95	95	95
Max. tank/exchanger operating pressure	MPa	0.6/1.2	0.6/1.2	0.6/1.2	0.6/1.2
Net weight	kg	70	114	136	143
General dimensions:	L x P x m	580X580	750X750	750X750	750X750
	H mm	1491	1346	1696	1971
Tilt height	mm	1600	1525	1840	2095

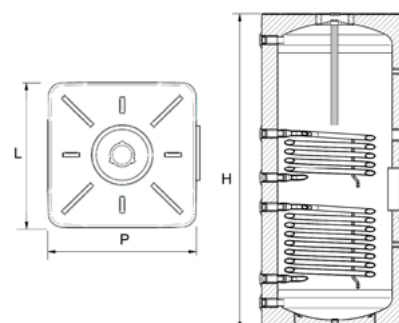
Notes: * Primary temperature 80°C Secondary temperature 10/45°C Flow rate specified in the DHW table = Production

CONNECTIONS



TECHNICAL DATA SHEET

DIMENSIONAL DIAGRAM





Series
Type
Version
Application
Heat Source
Litres

ISSWPA



CLASS A Glass-lined Indirect Cylinder
Single-coil
DHW production
Heat Pump
From 160 to 500 litres



ErP **A**
Energy class

Available from **October**



Single fixed-coil storage indirect cylinders use indirect heating. They provide an easy and abundant supply of hot water for each type of use. They can be connected to central heating systems and fitted with further integration systems. Recommended for all uses. The series has a square shape to increase the average thickness of the insulation with the same maximum overall dimensions, guaranteeing class A thermal insulation.

- Steel storage tank, glass-lined "Blue Glass 4753" using the flow-coating method (850°C), WRAS (BS6920-1) and KTW-BWGL approved according to UBA specifications (German Environmental Agency)
- Specially designed coil with lowered elliptical loops to heat the lowest area of the tank, ensuring improved performance and reduced limescale formation.
- Recirculation fitting
- Ø 180 mm front inspection hatch
- ½" threaded socket for a temperature probe pocket
- Polyurethane foam (PU) insulation with very high energy efficiency (Lambda 0.022 W/mK)
- Electric heating element integration kits available with single- and three-phase connections

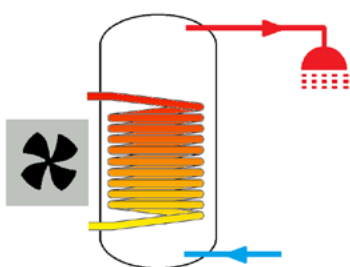


WARRANTY:	ACCESSORIES:
• 5 YEARS FOR THE TANK • 2 YEARS FOR COMPONENTS	P.51

TECHNICAL DATA	Series	ISSWPA				
	Model	160	200	300	400	500
	Code	FU000211	FU000212	FU000213	FU000214	FU000215
Actual gross DHW capacity	l	159	202	301	400	478
Heat exchanger surface area	m ²	1.9	2.3	3.1	4.6	5.5
Heat exchanger power (ΔT35k)*	kW	31.1	36.1	49.5	60.0	69.8
DHW production (ΔT35k)*	l/h	765	886	1215	1475	1714
Primary flow rate	m ³ /h	2	2	3	3	3
Pressure drop	mbar	164	196	60	87	105
Insulation type	-	Rigid PU foam				
Maximum insulation thickness	mm	162	162	205	205	205
ErP energy class		A	A	A	A	A
ErP Heat Loss Watt	W	35	41	43	51	56
Max. operating temp.	°C	95	95	95	95	95
Max. tank/exchanger operating pressure	MPa	0.6/1.2	0.6/1.2	0.6/1.2	0.6/1.2	0.6/1.2
Net weight	kg	68	82	126	162	189
General dimensions:	L x P x m	580X580	580X580	750X750	750X750	750X750
	H mm	1221	1491	1346	1696	1971
Tilt height	mm	1355	1600	1525	1840	2095

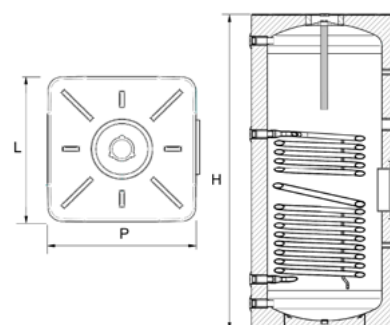
Notes: * Primary temperature: (bottom coil 80°C /top coil 60°C). Secondary temperature 10/45°C Flow rate specified in the DHW table = Domestic hot water production

CONNECTIONS



TECHNICAL DATA SHEET

DIMENSIONAL DIAGRAM



Series
Type
Version
Application
Heat Source
Litres

ISSWWPA



CLASS A Glass-lined Indirect Cylinder
Double-coil
DHW production
Heat Pumps - Solar
From 400 to 500 litres



ErP **A**
Energy class

Available from **October**



Double fixed-coil storage indirect cylinders use indirect heating. They provide an easy and abundant supply of hot water for each type of use. They can be connected to central heating systems and fitted with further integration systems. Recommended for all uses. The series has a square shape to increase the average thickness of the insulation with the same maximum overall dimensions, guaranteeing class A thermal insulation.

- Steel storage tank, glass-lined "Blue Glass 4753" using the flow-coating method (850°C), WRAS (BS6920-1) and KTW-BWGL approved according to UBA specifications (German Environmental Agency)
- Specially designed coil with lowered elliptical loops to heat the lowest area of the tank, ensuring improved performance and reduced limescale formation.
- Recirculation fitting
- Ø 180 mm front inspection hatch
- ½" threaded socket for a temperature probe pocket
- Polyurethane foam (PU) insulation with very high energy efficiency (Lambda 0.022 W/mK)
- Electric heating element integration kits available with single- and three-phase connections

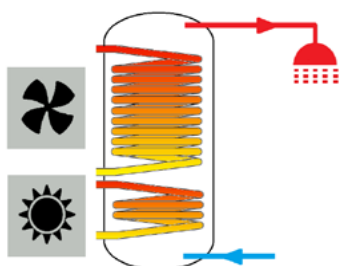


WARRANTY:	ACCESSORIES:
• 5 YEARS FOR THE TANK • 2 YEARS FOR COMPONENTS	P.51

TECHNICAL DATA	Series	ISSWWPA	
	Model	400	500
	Code	FU000217	FU000218
Actual gross DHW capacity	l	400	478
Top/Bottom heat exchanger surface area	m ²	0,8/3,2	0,8/4,6
Top/Bottom heat exchanger power (ΔT35k)*	kW	20,4/60,7	20,4/70,6
Top/Bottom DHW production (ΔT35k)*	l/h	502/1490	502/1735
Primary flow rate	m ³ /h	3/2	3/2
Pressure drop	mbar	60/4	87/4
Insulation type	-	Rigid PU foam	
Maximum insulation thickness	mm	205	205
ErP energy class	ErP	A	A
ErP Heat Loss Watt	W	51	56
Max. operating temp.	°C	95	95
Max. tank/exchanger operating pressure	MPa	0.6/1.2	0.6/1.2
Net weight	kg	156	187
General dimensions:	L x P mm	750X750	750X750
	H mm	1696	1971
Tilt height	mm	1840	2095

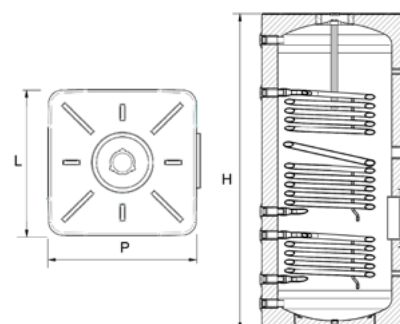
Notes: * Primary temperature: (bottom coil 80°C /top coil 60°C). Secondary temperature 10/45°C Flow rate specified in the DHW table = Domestic hot water production

CONNECTIONS



TECHNICAL DATA SHEET

DIMENSIONAL DIAGRAM





Series	ISSW
Type	Single-coil
Version	Glass-lined Indirect Cylinder
Application	DHW production
Heat Source	Solar - Gas Boiler - District Heating
Litres	From 120 to 2000 litres



Single fixed-coil storage indirect cylinders use indirect heating. They provide an easy and abundant supply of hot water for each type of use. They can be connected to central heating systems and fitted with further integration systems. Recommended for all uses.



- Steel storage tank, glass-lined "Blue Glass 4753" using the flow-coating method (850°C), WRAS (BS6920-1) and KTW-BWGL approved according to UBA specifications (German Environmental Agency)
- 1 x Ø 134 mm front inspection hatch for models 120÷500
- 1 x Ø 180 mm front inspection hatch for models 800÷2000
- Long-life magnesium anode
- Coil with lowered loops, allowing heat transfer to reach the lowest part of the tank for improved thermal stratification and reduced limescale build-up.
- Recirculation fitting
- Ø 12.5 x 125 mm welded probe pocket for temperature probes (200-500)
- ½" threaded socket for a temperature probe pocket (120-160-800-2000)
- Adjustable floor supporting feet (120-500)
- Thick-layer polyurethane foam (PU) insulation with very high energy efficiency (Lambda 0.022 W/mK) for 120÷500
- Removable rigid polyurethane foam (PU) insulation with very high energy efficiency for 800÷2000
- Electric heating element integration kits available with single- and three-phase connections

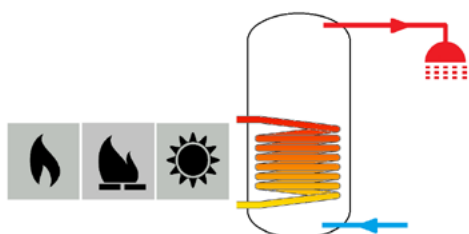


WARRANTY:	ACCESSORIES:
• 5 YEARS FOR THE TANK • 2 YEARS FOR COMPONENTS	P.51

TECHNICAL DATA	Series	ISSW									
	Model	120	160	200	300	400	500	800	1000	1500	2000
	Code	171942	171943	171944	171945	171946	171947	FU000270	FU000271	FU000272	FU000273
Actual gross DHW capacity	l	114	162	205	299	407	492	805	910	1450	1912
Heat exchanger surface area	m ²	0.6	0.8	1	1.3	1.7	1.8	3.6	3.6	3.3	4.4
Heat exchanger power (ΔT35K)*	kW	20	27	30	44	55	60	67.5	67.5	61.9	82.5
DHW production (ΔT35K)*	l/h	491	663	737	1081	1351	1474	1658	1658	1521	2027
Primary flow rate	m ³ /h	2	2	2	3	3	3	2.9	2.9	2.7	3.6
Pressure drop	mbar	26	33	37	122	161	174	95	95	84	127
Insulation type	-	Rigid PU foam					Removable rigid PU				
Insulation thickness	mm	≥50	≥50	≥75	≥75	≥75	≥75	≥95	≥95	≥110	≥110
ErP energy class		B	B	B	B	B	B	C	C	C	C
ErP Heat Loss Watt	W	≤49	≤52	≤50	≤65	≤73	≤77	≤129	≤142	≤163	≤183
Max. operating temp.	°C	95	95	95	95	95	95	95	95	95	95
Max. tank/exchanger 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	1/1.5	1/1.5	0.6/1.2	0.6/1.2
Net weight	kg	45	57	66	97	123	144	296	306	406	483
General dimensions:	Ø D mm	550	550	650	705	755	785x800	990	990	1250	1350
	H mm	924	1174	1335	1565	1755	1821	1990	2190	2240	2240
Tilt height	mm	1070	1295	1442	1675	1868	1950	2020	2220	2240	2340

Notes: * Primary temperature 80°C Secondary temperature 10/45°C Flow rate specified in the DHW table = Production

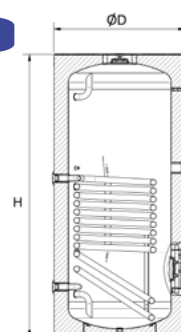
CONNECTIONS



DIMENSIONAL DIAGRAM



TECHNICAL DATA SHEET



Series

Type

Version

Application

Heat Source

Litres

ISSWW



Glass-lined Indirect Cylinder

Double-coil

DHW production

Solar - Gas Boiler - District Heating

From 120 to 2000 litres

ErP Up to **B** Energy class

Single fixed-coil storage indirect cylinders use indirect heating. They provide an easy and abundant supply of hot water for each type of use. They can be connected to central heating systems and fitted with further integration systems. Recommended for all uses.



- Steel storage tank, glass-lined "Blue Glass 4753" using the flow-coating method (850°C), WRAS (BS6920-1) and KTW-BWGL approved according to UBA specifications (German Environmental Agency)
- 1 x Ø 134 mm front inspection hatch for models 200÷500
- 1 x Ø 180 mm front inspection hatch for models 800÷2000
- Long-life magnesium anode
- Coil with lowered loops, allowing heat transfer to reach the lowest part of the tank for improved thermal stratification and reduced limescale build-up.
- Recirculation fitting
- Ø 12.5 x 125 mm welded probe pocket for TR temperature probes (200-500)
- ½" threaded socket for a temperature probe pocket (800-2000)
- Adjustable floor supporting feet (200- 500)
- Thick-layer polyurethane foam (PU) insulation with very high energy efficiency (Lambda 0.022 W/mK) for 200÷500
- Removable rigid polyurethane foam (PU) insulation with very high energy efficiency for 800÷2000
- Electric heating element integration kits available with single- and three-phase connections

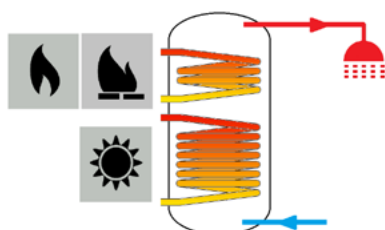


WARRANTY:	ACCESSORIES:
• 5 YEARS FOR THE TANK • 2 YEARS FOR COMPONENTS	P.51

TECHNICAL DATA	Series	ISSWW							
	Model	200	300	400	500	800	1000	1500	2000
	Code	171952	171953	171954	171955	FU000274	FU000275	FU000276	FU000277
Actual gross DHW capacity	l	198	294	401	487	805	910	1450	1912
Top/Bottom heat exchanger surface area	m ²	0.7/0.5	1.3/0.9	1.7/0.9	1.7/0.9	2.9/1.7	3.6/2.2	3.3/2.6	4.4/3.0
Top/Bottom heat exchanger power (ΔT35k)*	kW	22.5/18.4	44.0/31.5	55.0/31.5	55.0/31.5	54.4/31.9	67.5/41.2	61.9/48.7	82.5/56.2
Top/Bottom DHW production (ΔT35k)*	l/h	553/452	1081/774	1351/774	1351/774	1336/784	1658/1012	1521/1196	2027/1381
Water flow rate to the top/bottom heat exchanger	m ³ /h	2/2	2/2	3/2	3/2	2.34/1.4	2.9/1.8	2.7/2.1	3.6/2.4
Top/Bottom Pressure drop	mbar	28/20	127/37	166/37	166/37	55/26	95/50	84/84	170/165
Insulation type	-	Rigid PU foam				Removable rigid PU			
Insulation thickness	mm	≥75	≥75	≥75	≥75	≥95	≥95	≥110	≥110
ErP energy class	B	B	B	B	B	C	C	C	C
ErP Heat Loss Watt	W	≤ 51	≤ 65	≤ 73	≤ 77	≤ 129	≤ 142	≤ 163	≤ 183
Max. operating temp.	°C	95	95	95	95	95	95	95	95
Max. tank/exchanger operating pressure	MPa	0.6 /1.2	0.6 /1.2	0.6 /1.2	0.6 /1.2	1 /1.5	1 /1.5	0.6 /1.2	0.6 /1.2
Net weight	kg	61	105	133	154	321	353	447	536
General dimensions:	Ø D mm	650	705	755	785x800	990	990	1250	1350
	H mm	1355	1565	1755	1821	1990	2190	2240	2440
Tilt height	mm	1442	1675	1868	1950	2020	2220	2240	2340

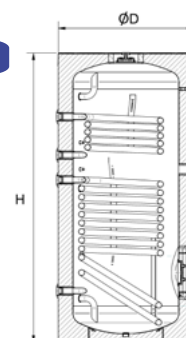
Notes: * Primary temperature 80°C Secondary temperature 10/45°C Flow rate specified in the DHW table = Production

CONNECTIONS



TECHNICAL DATA SHEET

DIMENSIONAL DIAGRAM





Series
Type
Version
Application
Heat Source
Litres

ISSWP



Glass-lined Indirect Cylinder
Single-coil
DHW production
Heat Pumps
From 120 to 1000 litres

Up to
ErP B
Energy class



Double-winding indirect cylinders have coils with high levels of heat exchange for the best performance with low head loss. Designed for an easy and abundant supply of domestic hot water using heat pumps.



- Steel storage tank, glass-lined "Blue Glass 4753" using the flow-coating method (850°C), WRAS (BS6920-1) and KTW-BWGL approved according to UBA specifications (German Environmental Agency)
- Ø 180 mm front inspection hatch
- HIGH OUTPUT coil with lowered turns to optimise heat exchange and to reduce limescale occurrence, ideal for heating water coming from a heat pump
- 1 x long-life magnesium anode for 200 lt models
- 2 x long-life magnesium anodes for higher version models
- Low head loss with savings in the circulation system of the heating fluid
- Integrated probe pocket
- Thick-layer polyurethane foam (PU) insulation with very high energy efficiency (Lambda 0.022 W/mK) for 200÷600
- Removable rigid polyurethane foam (PU) insulation with very high energy efficiency for 800÷1000
- Electric heating element integration kits available with single- and three-phase connections
- Ideal for heat pumps

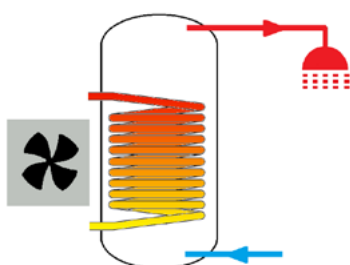
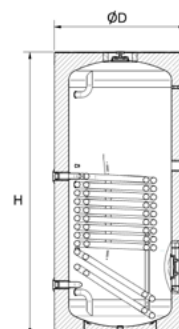
**WARRANTY:****ACCESSORIES:**

- 5 YEARS FOR THE TANK
- 2 YEARS FOR COMPONENTS

P.51

TECHNICAL DATA	Series ISSWP							
	Model	200	300	400	500	600	800	1000
	Code	FU000087	172484	172485	172486	172487	FU000278	FU000279
Actual DHW capacity	l	208	286	383	475	572	805	910
Heat exchanger surface area	m ²	2.0	3.1	4.9	5.7	6.3	6.0	6.0
Heat exchanger power (ΔT35k)*	kW	25.0	42.0	58.8	72.0	76.2	71.8	71.8
DHW production (ΔT35k)*	l/h	614	1032	1445	1769	1872	1764	1764
Primary flow rate	m ³ /h	2	3	3	3	3	6.2	6.2
Pressure drop	mbar	51	24	38	44	48	365	365
Insulation type	-	Rigid PU foam					Removable rigid PU	
Insulation thickness	mm	≥75	≥75	≥75	≥75	≥50	≥95	≥95
ErP energy class		B	B	B	B	C	C	C
ErP Heat Loss Watt	W	≤ 58	≤ 65	≤ 73	≤ 77	≤ 110	≤ 129	≤ 142
Max. operating temp.	°C	95	95	95	95	95	95	95
Max. tank/exchanger operating pressure	MPa	0.6 /1.2	0.6 /1.2	0.6 /1.2	0.6 /1.2	0.6 /1.2	1 /1.5	1 /1.5
Net weight	kg	91	138	171	201	253	316	326
General dimensions:	Ø D mm	650	710	755	785x800	785x800	990	990
	H mm	1355	1565	1755	1821	1825	1990	2190
Tilt height	mm	1442	1675	1868	1950	1950	2020	2220

Notes: * Primary temperature: (bottom coil 80°C /top coil 60°C). Secondary temperature 10/45°C Flow rate specified in the DHW table = Domestic hot water production

CONNECTIONS**DIMENSIONAL DIAGRAM**

TECHNICAL DATA SHEET

Series

Type

Version

Application

Heat Source

Litres

ISSWWP

Glass-lined Indirect Cylinder

Double-coil

DHW production

Heat Pumps - Solar

From 400 to 1000 litres

Up to
ErP B
Energy class



Double-exchanger and double-winding indirect cylinders have coils with high levels of heat exchange for the best performance with low head loss. Designed for an easy and abundant supply of domestic hot water using heat pumps.



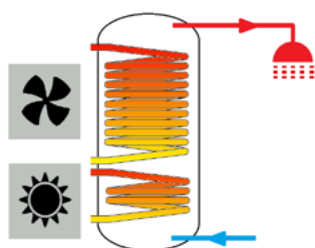
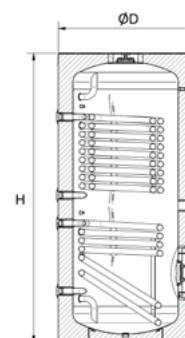
- Steel storage tank, glass-lined "Blue Glass 4753" using the flow-coating method (850°C), WRAS (BS6920-1) and KTW-BWGL approved according to UBA specifications (German Environmental Agency)
- Ø 180 mm front inspection hatch
- HIGH OUTPUT coil with lowered turns to optimise heat exchange and to reduce limescale occurrence, ideal for heating water coming from a heat pump
- 2 x long-life magnesium anodes
- Low head loss with savings in the circulation system of the heating fluid
- Integrated probe pocket
- Thick-layer polyurethane foam (PU) insulation with very high energy efficiency (λ 0.022 W/mK) for 400- 600
- Removable rigid polyurethane foam (PU) insulation with very high energy efficiency for 800÷1000
- **Electric heating element integration kits available with single- and three-phase connections**
- Ideal for heat pumps



WARRANTY:	ACCESSORIES:
• 5 YEARS FOR THE TANK • 2 YEARS FOR COMPONENTS	P.51

TECHNICAL DATA	Series	ISSWWP			
	Model	400	500	800	1000
	Code	172488	172489	FU000280	FU000281
Actual DHW capacity	l	390	480	805	910
Top/Bottom heat exchanger surface area	m ²	1.3/3.3	1.4/3.8	1.8/4.9	2.8/6.0
Top/Bottom heat exchanger power (ΔT_{35k})*	kW	27/32	31/40	36/58.7	54.7/71.8
Top/Bottom DHW production (ΔT_{35k})*	l/h	663/786	762/983	884/1442	1344/1764
Water flow rate to the top/bottom heat exchanger	m ³ /h	3/3	3/3	2.3/5.2	2.9/6.2
Top/Bottom Pressure drop	mbar	53/25	57/29	83/211	150/365
Insulation type	-	Rigid PU foam		Removable rigid PU	
Insulation thickness	mm	≥75	≥75	≥95	≥95
ErP energy class		B	B	C	C
ErP Heat Loss Watt	W	≤ 73	≤ 77	≤ 129	≤ 142
Max. operating temp.	°C	95	95	95	95
Max. tank/exchanger operating pressure	MPa	0.6 /1.2	0.6 /1.2	1 /1.5	1 /1.5
Net weight	kg	164	171	349	384
General dimensions:	Ø D mm	755	785x800	990	990
	H mm	1755	1821	1990	2190
Tilt height	mm	1868	1950	2020	2220

Notes: * Primary temperature: (bottom coil 80°C /top coil 60°C). Secondary temperature 10/45°C Flow rate specified in the DHW table = Domestic hot water production

CONNECTIONS**DIMENSIONAL DIAGRAM**

TECHNICAL DATA SHEET



Series
Type
Version
Application
Heat Source
Litres

ISSWE



Glass-lined Indirect Cylinder
Single-coil
DHW production
Solar - Gas Boiler - District Heating
From 120 to 500 litres

Up to
ErP B
Energy class



Single fixed-coil storage indirect cylinders use indirect heating. They provide an easy and abundant supply of hot water for each type of use. They can be connected to central heating systems and fitted with further integration systems. Recommended for all uses.

- Steel storage tank, glass-lined "Blue Glass 4753" using the flow-coating method (850°C), WRAS (BS6920-1) and KTW-BWGL approved according to UBA specifications (German Environmental Agency)
- Specially designed coil with lowered elliptical loops to heat the lowest area of the tank, ensuring improved performance and reduced limescale formation.
- Recirculation fitting
- Ø 12.5 × 125 mm welded probe pocket for temperature probes
- ½" threaded socket for a temperature probe pocket
- Polyurethane foam (PU) insulation with very high energy efficiency (Lambda 0.022 W/mK)
- Electric heating element integration kits available with single- and three-phase connections

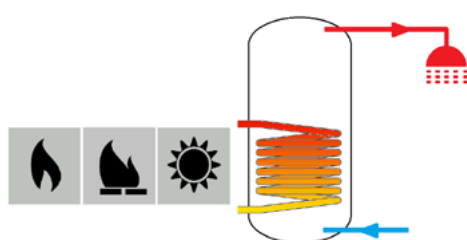


WARRANTY:	ACCESSORIES:
• 5 YEARS FOR THE TANK • 2 YEARS FOR COMPONENTS	P.51

TECHNICAL DATA	Series	ISSWE					
	Model	120	160	200	300	400	500
	Code	FU000186	FU000187	FU000188	FU000189	FU000190	FU000191
Actual gross DHW capacity	l	119	159	202	301	400	478
Heat exchanger surface area	m ²	0.5	0.7	0.9	1.2	1.4	1.6
Heat exchanger power (ΔT35k)*	kW	15.5	20.9	26.4	32	36.7	41.5
DHW production (ΔT35k)*	l/h	381	513	649	786	902	1020
Primary flow rate	m ³ /h	2	2	2	3	3	3
Pressure drop	mbar	41	57	74	23	26	30
Insulation type	-	Rigid PU foam					
Insulation thickness	mm	≥50	≥50	≥50	≥50	≥50	≥50
ErP energy class		B	B	B	B	C	C
ErP Heat Loss Watt	W	≤42	≤51	≤60	≤67	≤82	≤94
Max. operating temp.	°C	95	95	95	95	95	95
Max. tank/exchanger 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	36	45	54	88	107	124
General dimensions:	Ø D mm	555	555	555	705	705	705
	H mm	928	1178	1448	1300	1650	1924
Tilt height	mm	1075	1300	1550	1475	1795	2050

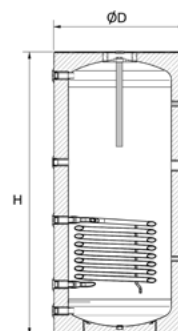
Notes: * Primary temperature 80°C Secondary temperature 10/45°C Flow rate specified in the DHW table = Production

CONNECTIONS



TECHNICAL DATA SHEET

DIMENSIONAL DIAGRAM



Series
Type
Version
Application
Heat Source
Litres

ISSWWE



Glass-lined Indirect Cylinder
Double-coil
DHW production
Solar - Gas Boiler - District Heating
From 120 to 500 litres

Up to
ErP B
Energy class



Double fixed-coil storage indirect cylinders use indirect heating. They provide an easy and abundant supply of hot water for each type of use. They can be connected to central heating systems and fitted with further integration systems. Recommended for all uses.

- Steel storage tank, glass-lined "Blue Glass 4753" using the flow-coating method (850°C), WRAS (BS6920-1) and KTW-BWGL approved according to UBA specifications (German Environmental Agency)
- Specially designed coil with lowered elliptical loops to heat the lowest area of the tank, ensuring improved performance and reduced limescale formation.
- Recirculation fitting
- Ø 12.5 × 125 mm welded probe pocket for temperature probes
- ½" threaded socket for a temperature probe pocket
- Polyurethane foam (PU) insulation with very high energy efficiency (Lambda 0.022 W/mK)
- **Electric heating element integration kits available with single- and three-phase connections**

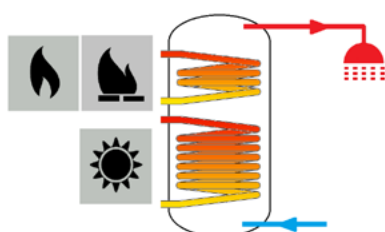


WARRANTY:	ACCESSORIES:
• 5 YEARS FOR THE TANK • 2 YEARS FOR COMPONENTS	P.51

TECHNICAL DATA	Series	ISSWWE			
	Model	200	300	400	500
	Code	FU000192	FU000193	FU000194	FU000195
Actual gross DHW capacity	l	202	301	400	478
Top/Bottom heat exchanger surface area	m ²	0.9/0.4	1.2/0.6	1.4/0.6	1.6/0.6
Top/Bottom heat exchanger power (ΔT35k)*	kW	26.4/12.4	32/15.7	36.7/15.7	41.5/15.7
Top/Bottom DHW production (ΔT35k)*	l/h	649/305	786/386	902/386	1020/386
Primary flow rate	m ³ /h	2/2	3/2	3/2	3/2
Pressure drop	mbar	74/33	25/3	29/3	30/3
Insulation type	-	Rigid PU foam			
Insulation thickness	mm	≥50	≥50	≥50	≥50
ErP energy class		B	B	C	C
ErP Heat Loss Watt	W	≤61	≤67	≤82	≤94
Max. operating temp.	°C	95	95	95	95
Max. tank/exchanger operating pressure	MPa	0.6/1.2	0.6/1.2	0.6/1.2	0.6/1.2
Net weight	kg	59	95	115	131
General dimensions:	Ø D mm	555	705	705	705
	H mm	1448	1300	1650	1924
Tilt height	mm	1550	1475	1790	2050

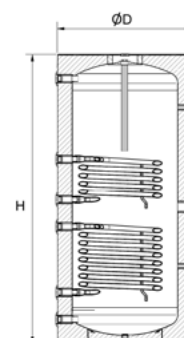
Notes: * Primary temperature 80°C Secondary temperature 10/45°C Flow rate specified in the DHW table = Production

CONNECTIONS



TECHNICAL DATA SHEET

DIMENSIONAL DIAGRAM





Series
Type
Version
Application
Heat Source
Litres

ISSWPE



Glass-lined Indirect Cylinder
Single-coil
DHW production
Heat Pumps
From 160 to 500 litres

Up to
ErP B
Energy class



Double wound indirect cylinders use indirect heating. They provide an easy and abundant supply of hot water for each type of use. The large heat exchange surface is suitable for use with Heat Pumps.

- Steel storage tank, glass-lined "Blue Glass 4753" using the flow-coating method (850°C), WRAS (BS6920-1) and KTW-BWGL approved according to UBA specifications (German Environmental Agency)
- Specially designed coil with lowered elliptical loops to heat the lowest area of the tank, ensuring improved performance and reduced limescale formation.
- Recirculation fitting
- Ø 12.5 x 125 mm welded probe pocket for temperature probes
- Polyurethane foam (PU) insulation with very high energy efficiency (Lambda 0.022 W/mK)
- Electric heating element integration kits available with single- and three-phase connections
- Ideal for heat pumps

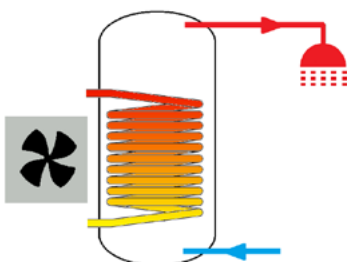


WARRANTY:	ACCESSORIES:
• 5 YEARS FOR THE TANK • 2 YEARS FOR COMPONENTS	P.51

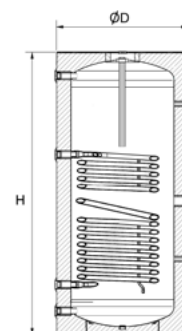
TECHNICAL DATA	Series	ISSWPE				
	Model	160	200	300	400	500
	Code	FU000196	FU000197	FU000198	FU000199	FU000200
Actual gross DHW capacity	l	159	202	301	400	478
Heat exchanger surface area	m ²	1.6	1.9	3.0	3.8	4.6
Heat exchanger power (ΔT35k)*	kW	25.7	31.1	42.3	51.5	60.0
DHW production (ΔT35k)*	l/h	631	765	1038	1264	1475
Primary flow rate	m ³ /h	2	2	3	3	3
Pressure drop	mbar	129	161	56	71	87
Insulation type	-	Rigid PU foam				
Insulation thickness	mm	≥50	≥50	≥50	≥50	≥50
ErP energy class		B	B	B	C	C
ErP Heat Loss Watt	W	≤51	≤60	≤67	≤82	≤94
Max. operating temp.	°C	95	95	95	95	95
Max. tank/exchanger operating pressure	MPa	0.6/1.2	0.6/1.2	0.6/1.2	0.6/1.2	0.6/1.2
Net weight	kg	55	66	109	136	160
General dimensions:	Ø D mm	555	555	705	705	705
	H mm	1178	1448	1300	1650	1924
Tilt height	mm	1300	1550	1475	1795	2050

Notes: * Primary temperature: (bottom coil 80°C / top coil 60°C). Secondary temperature 10/45°C Flow rate specified in the DHW table = Domestic hot water production

CONNECTIONS



DIMENSIONAL DIAGRAM





Accessories & kit

for GLASS-LINED INDIRECT CYLINDERS

230V single-phase electric heating element kit for installation on the specific 1 1/2" sleeve

Consisting of: an AISI 321 stainless steel heating element on a 1 1/2" brass sleeve, a gasket, a safety and control thermostat, Schuko cable and plug for installation on the prepared threaded connection.

REF.	CODE	DESCRIPTION	VERSION	COMPATIBLE WITH:					
				SIZE					
				120	160	200	300	400	500
	071185	Single-phase Stainless Steel Electric Kit 1 1/2" 2.0 kW 230 V~	ISSW			x	x	x	x
			ISSWW			x	x	x	x
			ISSWP				x	x	x
			ISSWWP					x	x
			ISSWA		x	x	x	x	x
			ISSWWA			x	x	x	x
			ISSWPA		x	x	x	x	x
			ISSWWPA					x	x
			ISSWE	x	x	x	x	x	x
			ISSWWE			x	x	x	x
			ISSWPE		x	x	x	x	x
	071186	Single-phase Stainless Steel Electric Kit 1 1/2" 3.0 kW 230 V~	ISSW			x	x	x	x
			ISSWW			x	x	x	x
			ISSWP				x	x	x
			ISSWWP					x	x
			ISSWA		x	x	x	x	x
			ISSWWA			x	x	x	x
			ISSWPA		x	x	x	x	x
			ISSWWPA					x	x
			ISSWE		x	x	x	x	x
			ISSWWE			x	x	x	x
			ISSWPE		x	x	x	x	x
	AE000040	Electric kit 2.0 kW 230V X DN180	ISSWP			x			
	AE000041	Electric kit 3.0 kW 230V X DN180	ISSWP			x			

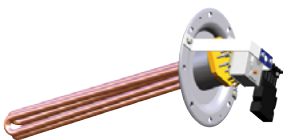


Accessories & kit

for GLASS-LINED INDIRECT CYLINDERS

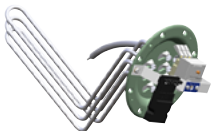
Electric heating element kit for installation on the front flange Ø 134

Consisting of: a Ø 134 mm counter-flange with a 1" ¼ sleeve, a gasket, copper-sheathed heating element and a thermostat, for installation on the prepared front flange.

COMPATIBLE WITH:									
SIZE									
REF.	CODE	DESCRIPTION	VERSION	120	160	200	300	400	500
	070265	Single-phase electric kit 1" ¼ 2.0 kW 230 V~ (FL. Ø 134 mm)	ISSW	x	x	x	x	x	x
			ISSWW			x	x	x	x
	070266	Single-phase electric kit 1" ¼ 3.0 kW 230 V~ (FL. Ø 134 mm)	ISSW	x	x	x	x	x	x
			ISSWW			x	x	x	x
	070267	Three-phase Electric Kit 2" 3.0 kW 400/3 V~ (FL. Ø 134 mm)	ISSW	x	x	x	x	x	x
			ISSWW			x	x	x	x
	070268	Three-phase Electric Kit 2" 4.0 kW 400/3 V~ (FL. Ø 134 mm)	ISSW	x	x	x	x	x	x
			ISSWW			x	x	x	x
	070269	Three-phase Electric Kit 2" 5.0 kW 400/3 V~ (FL. Ø 134 mm)	ISSW	x	x	x	x	x	x
			ISSWW			x	x	x	x

Electric heating element kit for installation on the front flange Ø 134

Consisting of: a Ø 134 counter-flange, a gasket, an incoloy 800 stainless steel 3-element heating unit, a thermostat and a support bracket.

COMPATIBLE WITH:									
SIZE									
REF.	CODE	DESCRIPTION	VERSION	120	160	200	300	400	500
	AE000010	Single-phase electric kit HLZ 003 2.0 kW 230 V (FL. Ø 134 mm)	ISSW	x	x	x			
			ISSWW			x			
	070137	Three-phase stainless steel electric kit 3.0÷6.0 kW 400/3V~ (FL. Ø 134 mm)	ISSW	x	x	x	x		
			ISSWW			x	x		
	070138	Three-phase stainless steel electric kit 4.0÷8.0 kW 400/3V~ (FL. Ø 134 mm)	ISSW					x	x
			ISSWW					x	x
	070136	Three-phase stainless steel electric kit 5.0÷10.0 kW 400/3V~ (FL. Ø 134 mm)	ISSW					x	x
			ISSWW					x	x



Accessories & kit

for GLASS-LINED INDIRECT CYLINDERS

400V three-phase electric heating element kit for installation on the specific 1 ½" sleeve

Consisting of: an INCOLOY 825 stainless steel heating element on a 1"½ coupling, a gasket, an external safety and control thermostat, a power cable, to be installed on the prepared threaded connection

				COMPATIBLE WITH:										
				SIZE										
REF.	CODE	DESCRIPTION	VERSION	120	160	200	300	400	500	600	800	1000	1500	2000
	071000	Three-phase stainless steel electric kit 1" ½ 3.0 kW 400-3 V~	ISSW			x	x	x	x		x	x	x	x
			ISSWW			x	x	x	x		x	x	x	x
			ISSWP				x	x	x	x	x	x		
			ISSWWP					x	x		x	x		
			ISSWA		x	x	x	x	x					
			ISSWWA			x	x	x	x					
			ISSWPA		x	x	x	x	x					
			ISSWWPA					x	x					
			ISSWE	x	x	x	x	x	x					
			ISSWWE			x	x	x	x					
			ISSWPE		x	x	x	x	x					
	071001	Three-phase stainless steel electric kit 1" ½ 6.0 kW 400-3 V~	ISSW				x	x	x		x	x	x	x
			ISSWW					x	x		x	x	x	x
			ISSWP				x	x	x	x	x	x		
			ISSWWP					x	x		x	x		
			ISSWA				x	x	x					
			ISSWWA				x	x	x					
			ISSWPA				x	x	x					
			ISSWWPA					x	x					
			ISSWE				x	x	x					
			ISSWWE				x	x	x					
			ISSWPE				x	x	x					
	071002	Three-phase stainless steel electric kit 1" ½ 9.0 kW 400-3 V~	ISSW								x	x	x	x
			ISSWW								x	x	x	x
			ISSWP								x	x		
			ISSWWP								x	x		



Accessories & kit

for GLASS-LINED INDIRECT CYLINDERS

Electric heating element kit for installation on the front flange Ø 180

Consisting of: a Ø 180 STAINLESS STEEL counter-flange, a gasket, an incoloy 800 stainless steel 3-element heating unit, a thermostat and a support bracket.

REF.	CODE	DESCRIPTION	VERSION	COMPATIBLE WITH:						
				SIZE						
120	160	200	300	400	500	600				
	071557	Three-phase stainless steel electric kit 3.0÷6.0 kW 400/3V~ (FL. Ø 180 mm)	ISSWP				x	x	x	x
			ISSWWP				x	x		
			ISSWA	x	x	x	x	x	x	
			ISSWWA			x	x	x	x	
			ISSWPA		x	x	x	x	x	
			ISSWWPA					x	x	
	071558	Three-phase stainless steel electric kit 4.0÷8.0 kW 400/3V~ (FL. Ø 180 mm)	ISSWP			x	x	x	x	x
			ISSWWP				x	x		
			ISSWA	x	x	x	x	x	x	
			ISSWWA			x	x	x	x	
			ISSWPA		x	x	x	x	x	
			ISSWWPA					x	x	
	071559	Three-phase stainless steel electric kit 5.0÷10.0 kW 400/3V~ (FL. Ø 180 mm)	ISSWP			x	x	x	x	x
			ISSWWP				x	x		
			ISSWA	x	x	x	x	x	x	
			ISSWWA			x	x	x	x	
			ISSWPA		x	x	x	x	x	
			ISSWWPA					x	x	

Probe holder kit for enamelled indirect cylinders

Consisting of: Stainless steel probe holder tube, internal diameter 7 mm, length 150 mm, on a ½" threaded plastic fitting.

REF.	CODE	DESCRIPTION	VERSION	COMPATIBLE WITH:					
				SIZE					
120	160	200	300	400	500				
	031264	Probe holder kit for enamelled indirect cylinders	ISSW	x	x	x	x	x	x



Accessories & kit

for GLASS-LINED INDIRECT CYLINDERS

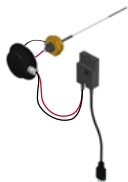
Indirect cylinder heating element 1 ½" connection closing cap kit

Consisting of: 1 ½" brass cap and gasket

				COMPATIBLE WITH:										
				SIZE										
REF.	CODE	DESCRIPTION	VERSION	120	160	200	300	400	500	600	800	1000	1500	2000
	140611	Indirect cylinder heating element 1 ½" connection closing cap kit	ISSW	x	x	x	x	x	x		x	x	x	x
			ISSWW			x	x	x	x		x	x	x	x
			ISSWP			x	x	x	x	x	x	x		
			ISSWWP					x	x		x	x		
			ISSWA		x	x	x	x	x					
			ISSWWA			x	x	x	x					
			ISSWPA		x	x	x	x	x					
			ISSWWPA					x	x					
			ISSWE	x	x	x	x	x	x					
			ISSWWE			x	x	x	x					
			ISSWPE		x	x	x	x	x					

Titanium anode rod on a kit (titanium) for enamelled indirect cylinders

Consisting of: a 1" ½ fitting, an OR-ring, a cap with cable gland, a control unit and a power cable.

				COMPATIBLE WITH:						
				SIZE						
REF.	CODE	DESCRIPTION	VERSION	120	160	200	300	400	500	600
	080294	Impressed current anode kit (titanium)	ISSW			x	x	x	x	
			ISSWW			x	x	x	x	
			ISSWP				x	x	x	x
			ISSWWP					x	x	
			ISSWA	x	x	x	x	x	x	
			ISSWWA			x	x	x	x	
			ISSWPA	x	x	x	x	x	x	
			ISSWWPA					x	x	
			ISSWE	x	x	x	x	x	x	
			ISSWWE			x	x	x	x	
			ISSWPE		x	x	x	x	x	

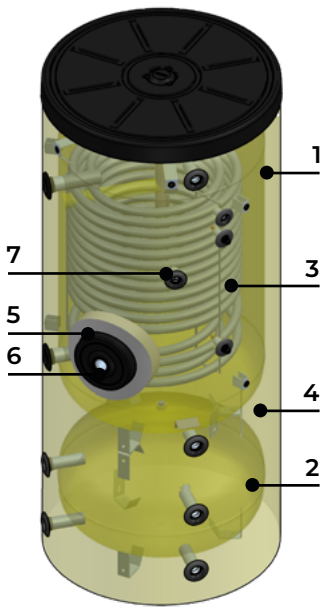


STYLEBOILER

COMBI

INDIRECT CYLINDERS

COMBI INDIRECT CYLINDERS



Introduction

COMBO TANK series are equipped with particularly large exchange surfaces to adapt for use with heat pumps. The range consists of 3 units with a domestic water content of 178, 251 and 360 litres and a corresponding technical water content of 44, 57 and 64 litres, particularly suitable for applications in residential environments.

APPLICATIONS

The COMBO units integrate in a single unit the dual function of:

- indirect production of domestic hot water
- buffer tank with hydraulic disconnection of the circuits, particularly suitable for heating/cooling applications with heat pumps.

MATERIALS

The tank **1** and the heat exchanger **3** for domestic water management are made of carbon steel S 235 J, coated with "Blue Glass 4753" enamel using the flow-coating method at 850°C, WRAS approved (BS6920-1).

The primary water storage tank **2** is made of raw carbon steel.

The insulation **4** is made of polyurethane foam (PU) with an adequate thickness for operation with hot or chilled water. The range consists of 3 units with a domestic water content of 178, 251 and 360 litres and a corresponding heating water content of 44, 57 and 64 litres.

STANDARD EQUIPMENT

The DHW section is equipped with an inspection flange **5** Ø DN 180. On the same section, there are a 1½" connection to insert of an additional electric heating element **6** and two wells for temperature reading **7**. The heating water compartment features four 1-inch hydraulic connections.

PROTECTION SYSTEMS

The DHW section is equipped with a magnesium anode for cathodic protection and a ½" well to insert an impressed current anode (not supplied).

ACCESSORIES

Optional electric immersion heater kits are available to supplement the heat exchanger capacity for domestic hot water generation during peak demand periods.

COMBI INDIRECT CYLINDERS

Product range: BUFFER TANKS

APPLICATION	INDIRECT DHW PRODUCTION AND HEATING WATER STORAGE
Image	
Product name	ISSWC
Type of installation	Floor-standing
Available sizes	200, 300, 400
Tank material for DHW	Glass-lined carbon steel
Tank material for technical water	Carbon steel
Number of exchangers	1
Primary source	
Secondary Heat Source	/
Energy Class 	B





Series
Type
Version
Application
Heat Source
Litres

ISSWC

Combined Glass-Lined DHW Cylinder and Buffer Tank
Single-coil
Domestic hot water production and heating water storage
Heat Pumps
From 200 to 400 litres

ErP Energy class



The **COMBO TANK** units integrate in a single unit the dual function of:

- indirect production of domestic hot water
- buffer tank with hydraulic disconnection of the circuits, particularly suitable for heating/cooling applications with heat pumps.

- Steel storage tank on the domestic water side, glass-lined "Blue Glass 4753" using the flow-coating method (850°C), WRAS (BS6920-1) and KTW-BWGL approved according to UBA specifications (German Environmental Agency)
- Raw carbon steel technical side storage tank
- ABS outer casing RAL 9016
- Ø 180 mm front inspection hatch
- High thermal insulation with eco-friendly rigid polyurethane (PU) foam
- Primary water storage temperature range from -5 to 95°C
- The insulation is made of polyurethane foam (PU) of an adequate thickness for operation with hot or chilled water.

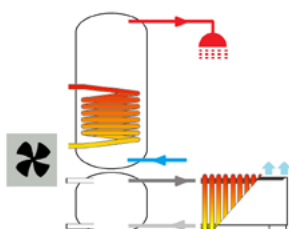


WARRANTY:	ACCESSORIES:
• 5 YEARS FOR THE TANK • 2 YEARS FOR COMPONENTS	P.61

TECHNICAL DATA	Series	ISSWC		
	Model	200	300	400
	Code	FU000102	FU000103	FU000104
Actual gross DHW capacity	l	178	251	360
Actual gross heating water capacity	l	44	57	64
Heat exchanger surface area	m ²	1.7	2.7	3.6
Top/Bottom heat exchanger power [DT 35°C]	kW	27	38	46
Top/Bottom continuous DHW production [DT 35°C]	l/h	663	934	1130
Primary flow rate	m ³ /h	2	3	3
Pressure drop	mbar	43	30	34
Type of insulation	type	Rigid PU foam		
Minimum insulating thickness	mm	≥50	≥50	≥50
ErP Energy Class		B	B	B
ErP Heat Loss	Watt	≤58	≤65	≤74
Max. operating temp.	°C	95	95	95
Maximum operating pressure - DHW side tank/exchanger	MPa	0.6 /1.0	0.6 /1.0	0.6 /1.0
Maximum operating pressure - technical side tank	MPa	0.4	0.4	0.4
Min. operating temp. - technical side tank	°C	-5	-5	-5
Net weight	kg	83	120	165
General dimensions:	Ø D mm	544	651	751
	H mm	1732	1652	1776
Tilting diagonal	mm	1815	1830	1980

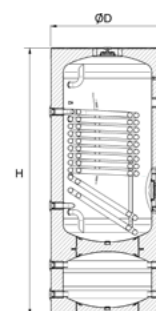
*Coil inlet water temperature: 60°C - DHW production between 10°C and 45°C

CONNECTIONS



TECHNICAL DATA SHEET

DIMENSIONAL DIAGRAM





Accessories & kit

for COMBI INDIRECT CYLINDERS

230V single-phase electric heating element kit for installation on the special 1 1/2" sleeve

Consisting of: an AISI 321 stainless steel heating element on a 1 1/2" brass sleeve, a gasket, a safety and control thermostat, Shuko cable and plug for installation on the prepared threaded connection.

REF.	CODE	DESCRIPTION	VERSION	COMPATIBLE WITH:		
				SIZE		
				200	300	400
	071185	Single-phase Stainless Steel Electric Kit 1 1/2" 2.0 kW 230 V~	ISSWC	x	x	x
	071186	Single-phase Stainless Steel Electric Kit 1 1/2" 3.0 kW 230 V~	ISSWC	x	x	x
	AE000040	Electric kit 2.0 kW 230V X DN180	ISSWC	x	x	x
	AE000041	Electric kit 3.0 kW 230V X DN180	ISSWC	x	x	x

400 V three-phase electric heating element kit for installation on a DN 180 flange

Consisting of: INCOLOY 800 stainless steel heating element mounted on DN 180 flange, gasket, safety and control thermostat, support bracket, and plastic protective cover for electrical components.

REF.	CODE	DESCRIPTION	VERSION	COMPATIBLE WITH:		
				SIZE		
				200	300	400
	AE000001	Three-phase stainless steel electric kit 3.0÷6.0 kW 400/3V~ (FL. Ø 180 mm) complete	ISSWC	x	x	x
	AE000002	Three-phase stainless steel electric kit 4.0÷8.0 kW 400/3V~ (FL. Ø 180 mm) complete	ISSWC	x	x	x
	AE000003	Three-phase stainless steel electric kit 5.0÷10.0 kW 400/3V~ (FL. Ø 180 mm) complete	ISSWC	x	x	x



STYLEBOILER



The background of the entire image is a close-up, artistic shot of water ripples. The water is a deep teal or slate blue color. Numerous concentric and overlapping ripples are visible, creating a complex, organic pattern of light and shadow. The lighting appears to come from the side, highlighting the crests of the ripples and casting soft shadows in the troughs, which gives the water a three-dimensional, textured appearance. The overall mood is calm yet dynamic, emphasizing the natural movement of water.

“Water is the **driving force** of all nature”
(Leonardo Da Vinci)

Water gives **life** to countless things and this does not cost it any effort”. We do our best to avoid its waste and usability in heating, our **Buffer** range has a high capacity to **accumulate energy** from multiple heat Heat Source.



STYLEBOILER

BUFFER TANKS

BUFFER TANKS



Introduction

The range of buffer tanks consists of heating water storage tanks with the possibility of also integrating a fixed-coil exchanger. They allow to accumulate heating water generated by discontinuous operation heating systems, thus allowing a considerable recovery and/or exploitation of thermal energy that would be either unused or even wasted. With this in mind, they fit well into energy saving systems, becoming the "**thermal flywheel**" of the energy system of a heating and hot water system. Due to their peculiarity, they are usually connected to systems that generate heat intermittently, such as wood-fired storage tanks, stoves or solid fuel fireplaces, or installed in low-water-content systems to limit burner tripping. The version with a fixed heat exchanger, in addition to what is described above, is used for the maximum exploitation of solar thermal or heat pump systems. The product ranges are from standard Buffers to solar Buffers with a fixed exchanger up to Solar Pipe in Tank versions with domestic hot water production. All products have fittings for electric integrations through specific kits **from 3.0 kW to 9.0 kW**.

Thermal insulation

With very thick high-density polyurethane foam to guarantee optimal thermal insulation.

Respect for the environment

We are strongly committed to optimising industrial activities for environmental protection and we always pay the utmost attention to the recyclability of components.

BUFFER TANKS

Product range: BUFFER TANKS

APPLICATION

HOT AND CHILLED HEATING WATER STORAGE TANK

Image			
Product name	ISPHECV-4	ISPHECV-8	ISPHEC
Type of installation	Wall-mounted	Wall-mounted	Floor-standing
Available sizes (L)	35, 60, 80, 100	35, 60, 80	100, 200, 300, 400, 500
Tank material for heating water	Carbon Steel		
Number of heat exchangers	0	0	0
Primary source	/	/	/
Secondary Heat Source	/	/	/
Energy Class 	B	B	B / C



BUFFER TANKS

Product range: BUFFER TANKS

APPLICATION	HOT HEATING WATER STORAGE TANK		
Image			
Product name	ISP H	ISP HW	ISP HWW
Type of installation	Floor-standing	Floor-standing	Floor-standing
Available sizes	800, 1000, 1250, 1500, 2000	500, 800, 1000, 1250, 1500, 2000	800, 1000, 1500, 2000
Tank material for heating water	Carbon steel		
Number of exchangers	0	1	2
Primary source	/	  	 
Secondary Heat Source	/	/	
Energy Class 	C	C	C

Product range: MULTI-PURPOSE BUFFER TANKS

APPLICATION	COMBINATION HIGH-EFFICIENCY HEATING WATER STORAGE TANK	
Image		
Product name	PTS	PTSW
Type of installation	Floor-standing	Floor-standing
Available sizes	500, 800, 1000, 1500, 2000	500, 800, 1000, 1500, 2000
Tank material for heating water	Carbon steel	
Number of exchangers	1	1+1
Primary source	  	 
Secondary Heat Source	/	
Energy Class 	C	C



Series

Type

Version

Application

Heat Source

Litres

ISPHCV-4

HEAT COLD

ErP **B** Energy class

Buffer tank (4+2 connections)

Wall-mounted

Buffer tank for hot and chilled water

Gas Boiler - District heating - Heat Pumps

From 35 to 100 litres



This series of mini Buffers is 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, minimising the start/stop cycles of the heat pump. The units are designed with a reinforced insulation system, 50 mm thick, and polyurethane foam to ensure adequate insulation in heating and cooling mode.

- Carbon steel inner tank
- Designed for wall-mounting
- Outer casing made of epoxy powder-coated sheet metal
- High thermal insulation with eco-friendly rigid polyurethane (PU) foam
- Storage temperature range from -10°C to 95°C
- Energy efficiency class B
- Multiposition installation (vertical or horizontal)
- Equipped with 4 connections plus vent and discharge



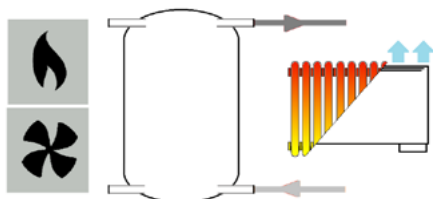
WARRANTY: ACCESSORIES:

- 2 YEARS FOR THE TANK
- 2 YEARS FOR COMPONENTS

P.77

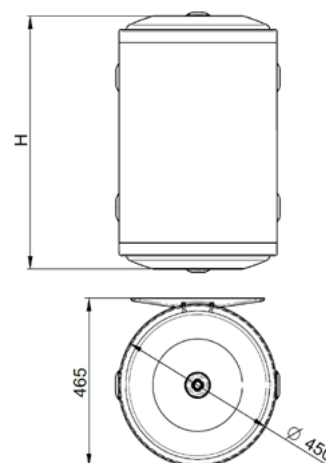
TECHNICAL DATA	Series	ISPHCV-4			
	Model	35	60	80	100
	Code	FU000115	FU000116	FU000117	FU000139
Tank capacity	l	34	56	71	86
Type of insulation	type	Rigid PU foam			
Insulation thickness	mm	≥50	≥50	≥50	≥50
ErP Energy Class	ErP	B	B	B	B
ErP Heat Loss	Watt	34	40	44	47
Minimum primary circuit water temperature	°C	-10	-10	-10	-10
Maximum primary circuit water temperature	°C	95	95	95	95
Maximum operating pressure	MPa	0.6	0.6	0.6	0.6
Net weight	kg	15.4	20.5	23.8	30.4
General dimensions:	ØD mm	450	450	450	450
	H mm	468	689	850	1000

CONNECTIONS



TECHNICAL DATA SHEET

DIMENSIONAL DIAGRAM





Series
Type
Version
Application
Heat Source
Litres

ISPHCV-8



HEAT COLD

ErP **B**
Energy class

Buffer tank (8+2 connections)
Wall-mounted
Buffer tank for hot and chilled technical water
Gas Boiler - District heating - Heat Pumps
From 35 to 80 litres



This series of mini Buffers is 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, minimising the start/stop cycles of the heat pump. The units are designed with a reinforced insulation system, 50 mm thick, and polyurethane foam to ensure adequate insulation in heating and cooling mode.

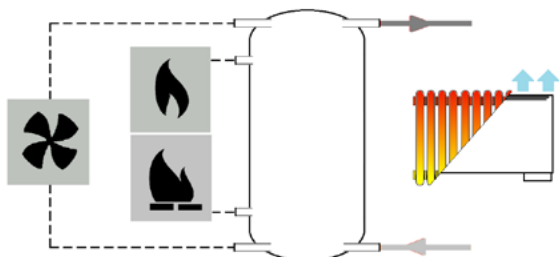
- Carbon steel inner tank
- Designed for wall-mounting
- Outer casing made of epoxy powder-coated sheet metal
- High thermal insulation with eco-friendly rigid polyurethane (PU) foam
- Storage temperature range from -10°C to 95°C
- Energy efficiency class B
- Multiposition installation (vertical or horizontal)
- Equipped with 8 connections plus vent and discharge
- 1½" threaded connection for electric heating element



WARRANTY:	ACCESSORIES:
• 2 YEARS FOR THE TANK • 2 YEARS FOR COMPONENTS	P.77

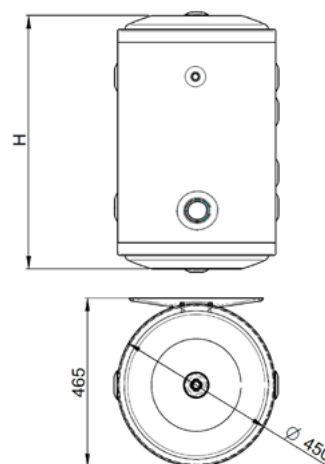
TECHNICAL DATA	Series	ISPHCV-8		
	Model	35	60	80
	Code	172432	172433	172434
Tank capacity	l	34	56	71
Type of insulation	type	Rigid PU foam		
Insulation thickness	mm	≥50	≥50	≥50
ErP Energy Class	ErP	B	B	B
ErP Heat Loss	Watt	36	40	45
Minimum primary circuit water temperature	°C	-10	-10	-10
Maximum primary circuit water temperature	°C	95	95	95
Maximum operating pressure	MPa	0.6	0.6	0.6
Net weight	kg	17	23	27
General dimensions:	ØD mm	450	450	450
	H mm	468	689	850

CONNECTIONS



TECHNICAL DATA SHEET

DIMENSIONAL DIAGRAM





Series
Type
Version
Application
Heat Source
Litres

ISPHC



HEAT COLD

ErP  B
Energy class

Buffer tank
Floor-standing
Buffer tank for hot and chilled water
Gas Boiler - District heating - Heat Pumps
From 100 to 500 litres



These buffer tanks are designed to store heating water from multiple heat sources, especially those with intermittent or variable operation. They help balance energy production and system demand, improving system stability and efficiency. In addition, they are prepared for the installation of an electric heating element, available through dedicated kits.

- Carbon steel inner tank
- Equipped with 4 + 2 connections for heat generators
- ½" threaded ports for temperature probe installation
- Rigid thick-layer polyurethane foam (PU) insulation
- 90° Front Connection Layout
- Plastic outer coating (PVC RAL 9010)
- May contain hot water or chilled water
- 1" ½ connections for the integration electric heating element

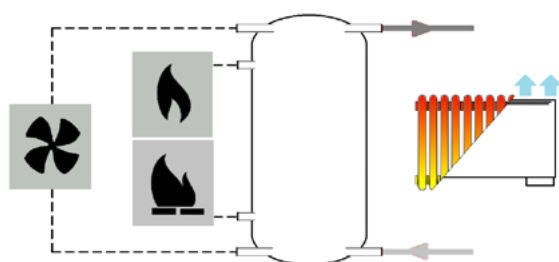


WARRANTY:	ACCESSORIES:
• 2 YEARS FOR THE TANK • 2 YEARS FOR COMPONENTS	P.77

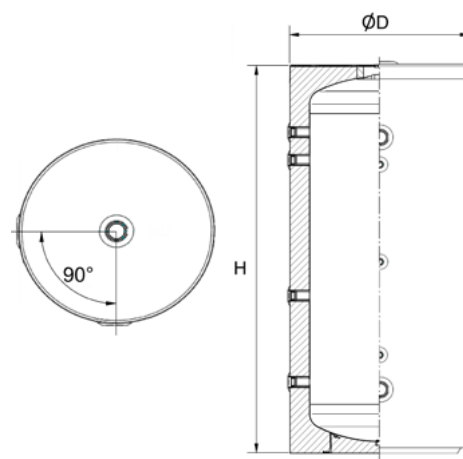
TECHNICAL DATA	Series	ISPHC				
	Model	100	200	300	400	500
	Code	FU000177	FU000178	FU000179	FU000180	FU000181
Tank capacity	l	102	180	302	400	478
Type of insulation	type	Rigid PU foam				
Insulation thickness	mm	≥50	≥50	≥50	≥50	≥50
ErP Energy Class	 B	B	B	B	C	C
ErP Heat Loss	Watt	38	57	70	86	98
Minimum primary circuit water temperature	°C	-10	-10	-10	-10	-10
Maximum primary circuit water temperature	°C	95	95	95	95	95
Maximum operating pressure	MPa	0.3	0.3	0.3	0.3	0.3
Net weight	kg	23	34	54	66	75
General dimensions:	ØD mm	555	555	705	705	705
	H mm	818	1318	1283	1633	1908
Tilting diagonal	mm	988	1430	1463	1778	2030

CONNECTIONS

DIMENSIONAL DIAGRAM



TECHNICAL DATA SHEET





Series
Type
Version
Application
Heat Source
Litres

ISPH



Buffer tank
Floor-standing
Buffer tank for hot heating water only
Gas Boiler - District Heating - Solar
From 800 to 2000 litres



These buffer tanks are designed to store heating water from multiple heat sources, especially those with intermittent or variable operation. They help balance energy production and system demand, improving system stability and efficiency. In addition, they are prepared for the installation of an electric heating element, available through dedicated kits.

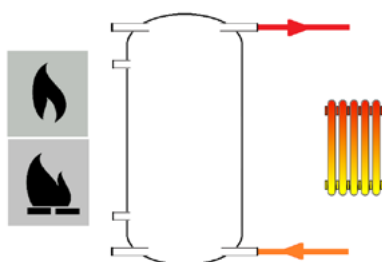
- Carbon steel inner tank
- Externally painted for corrosion protection
- Arrangement to insert probes
- Plastic outer coating (PVC or ABS RAL 9010)
- Rigid polyurethane foam (PU) insulation in pre-formed shell sections. The insulation can be separated in case of needs related to handling and installation.



WARRANTY:	ACCESSORIES:
• 5 YEARS FOR THE TANK • 2 YEARS FOR COMPONENTS	P.77

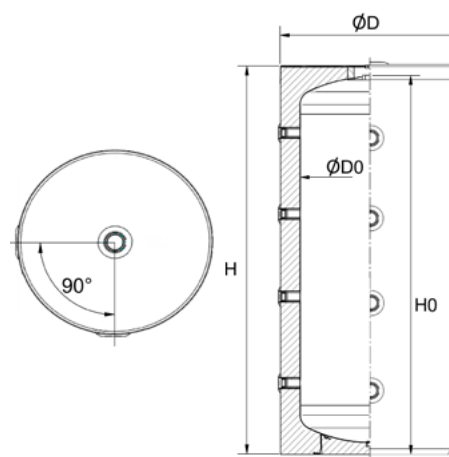
TECHNICAL DATA	Series	ISPH				
	Model	800	1000	1250	1500	2000
	Code	FU000292	FU000293	FU000294	FU000295	FU000296
Tank capacity	l	772	902	1283	1526	1998
Type of insulation	type	Hard shelled PU				
Insulation thickness	mm	≥70	≥70	≥110	≥110	≥110
ErP Energy Class	Class	C	C	C	C	C
ErP Heat Loss	Watt	≤ 129	≤ 141	≤ 163	≤ 171	≤ 187
Maximum primary circuit water temperature	°C	95	95	95	95	95
Maximum operating pressure	MPa	0.3	0.3	0.3	0.3	0.3
Net weight	kg	139	148	202	235	198
Overall dimensions (with insulation):	ØD mm	910	950	1200	1250	1350
	H mm	1970	2120	2100	2240	2420
Tilting diagonal (without insulation)	mm	1950	2100	2100	2240	2430

CONNECTIONS



TECHNICAL DATA SHEET

DIMENSIONAL DIAGRAM





Series
Type
Version
Application
Heat Source
Litres

ISPHW



ErP 
Energy class

Buffer tank
Floor-standing with integration exchanger
Buffer tanks for heating water
Gas Boiler - District Heating - Solar
From 500 to 2000 litres



These buffer tanks are designed to store heating water from multiple heat sources, especially those with intermittent or variable operation. They help balance energy production and system demand, improving system stability and efficiency. In addition, they are prepared for the installation of an electric heating element, available through dedicated kits.

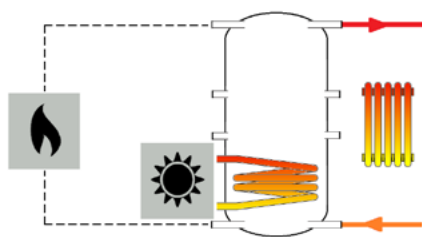
- Carbon steel inner tank
- Externally painted for corrosion protection
- 1 x Integration exchanger
- Rigid polyurethane foam (PU) insulation in pre-formed shell sections. The insulation can be separated in case of needs related to handling and installation.
- Plastic outer coating (PVC or ABS RAL 9010)
- Arrangement for electric heating element with a 1" ½ sleeve
- Arrangement to insert probes



WARRANTY:	ACCESSORIES:
• 5 YEARS FOR THE TANK • 2 YEARS FOR COMPONENTS	P.77

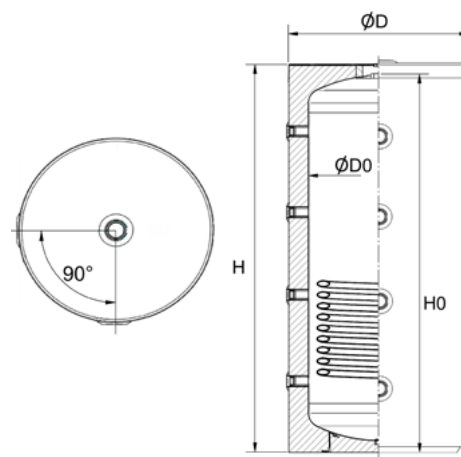
TECHNICAL DATA	Series	ISPHW					
	Model	500	800	1000	1250	1500	2000
	Code	FU000297	FU000298	FU000299	FU000300	FU000301	FU000302
Tank capacity	l	497	772	902	1283	1526	1998
Heat exchanger surface area	m²	1.8	2.4	3.1	3.2	3.5	3.8
Heat exchanger power [Twin-out 80-60°C]	kW	45	60	77.5	80	87.5	95
Primary flow rate	m³/h	1.93	2.58	3.33	3.44	3.76	4.08
Pressure drop	mbar	101	165	280	290	370	451
Type of insulation	type	Hard shelled PU					
Insulation thickness	mm	≥70	≥70	≥70	≥110	≥110	≥110
ErP Energy Class		C	C	C	C	C	C
ErP Heat Loss	Watt	≤ 104	≤ 129	≤ 141	≤ 162	≤ 171	≤ 187
Max. temp. tank/exchanger	°C	95/95	95/95	95/95	95/95	95/95	95/95
Max. tank/exchanger operating pressure	MPa	0.3 /1.0	0.3 /1.0	0.3 /1.0	0.3 /1.0	0.3 /1.0	0.3 /1.0
Net weight	kg	132	171	192	245	288	330
Overall dimensions (with insulation):	ØD mm	810	910	950	1150	1250	1350
	H mm	1750	1970	2120	2080	2240	2420
Tilting diagonal (without insulation)	mm	1740	1950	2100	2080	2240	2430

CONNECTIONS



TECHNICAL DATA SHEET

DIMENSIONAL DIAGRAM





Series
Type
Version
Application
Heat Source
Litres

ISPHWW



ErP Energy class

Buffer tank
Floor-standing with integration double exchanger
Buffer tanks for heating water
Gas Boiler - District Heating - Solar
From 800 to 2000 litres



These buffer tanks are designed to store heating water from multiple heat sources, especially those with intermittent or variable operation. They help balance energy production and system demand, improving system stability and efficiency. In addition, they are prepared for the installation of an electric heating element, available through dedicated kits.

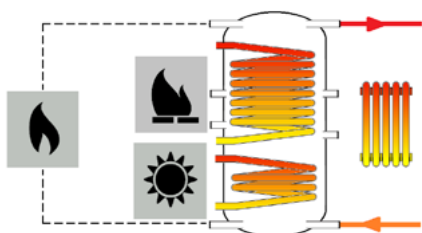
- Carbon steel inner tank
- Externally painted for corrosion protection
- 2 x Integration exchangers
- Rigid polyurethane foam (PU) insulation in pre-formed shell sections. The insulation can be separated in case of needs related to handling and installation.
- Plastic outer coating (PVC or ABS RAL 9010)
- Arrangement for electric heating element with a 1" ½ sleeve
- Arrangement to insert probes



WARRANTY:	ACCESSORIES:
• 5 YEARS FOR THE TANK • 2 YEARS FOR COMPONENTS	P.77

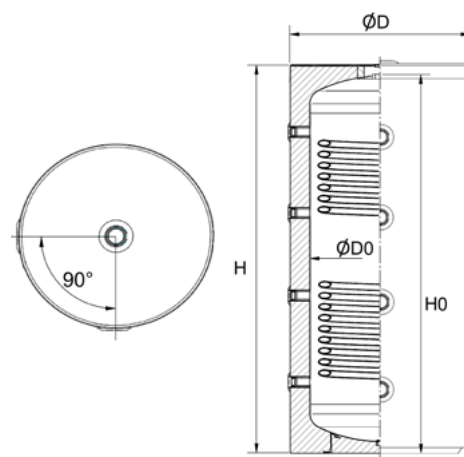
Series		ISPHWW			
TECHNICAL DATA	Model	800	1000	1500	2000
	Code	FU000303	FU000304	FU000305	FU000306
Tank capacity	l	772	902	1526	1998
Top/Bottom heat exchanger surface area	m ²	2.4/2.0	3.1/2.3	3.5/3.2	3.8/3.5
Top/Bottom heat exchanger power [Twin-out 80-60°C]	kW	60/50	77.5/57.5	87.5/80	95/87.5
Top/Bottom heat exchanger water flow rate	m ³ /h	2.58/2.15	3.33/2.47	3.76/3.45	4.08/3.76
Top/Bottom Pressure drop	mbar	165/115	280/155	370/300	451/370
Type of insulation	type	Hard shelled PU			
Insulation thickness	mm	≥70	≥70	≥110	≥110
ErP Energy Class		C	C	C	C
ErP Heat Loss	Watt	≤ 129	≤ 141	≤ 171	≤ 187
Max. temp. tank/exchanger	°C	95	95	95	95
Max. tank/exchanger operating pressure	MPa	0.3 /1.0	0.3 /1.0	0.3 /1.0	0.3 /1.0
Net weight	kg	195	220	332	382
Overall dimensions (with insulation):	ØD mm	910	950	1250	1350
	H mm	1970	2120	2240	2420
Tilting diagonal (without insulation)	mm	1950	2100	2240	2430

CONNECTIONS



TECHNICAL DATA SHEET

DIMENSIONAL DIAGRAM





Series
Type
Version
Application
Heat Source
Litres

PTS 

Multi-purpose storage tank

Floor-standing, with heat exchanger for instant DHW production

Buffer tank for heating water and instant DHW production

Gas Boiler - District Heating - Solar

From 500 to 2000 litres

ErP 
Energy class



Pipe in Tank multi-purpose storage tanks have a high capacity to store energy from multiple heat Heat Source, with operating temperatures up to 95°C. The instant domestic hot water production is guaranteed by a stainless steel coil: this system provides maximum protection against bacteria.

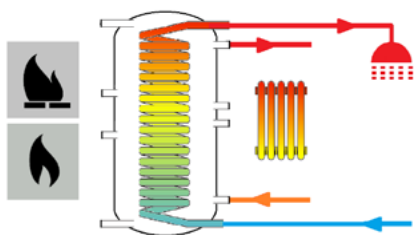
- Carbon steel inner tank
- Externally painted for corrosion protection
- Coil for domestic hot water production, in corrugated stainless steel AISI 316L
- Rigid polyurethane foam (PU) insulation in pre-formed shell sections. The insulation can be separated in case of needs related to handling and installation.
- Plastic outer coating (PVC or ABS RAL 9010)
- Arrangement for electric heating element with a 1" ½ sleeve
- Arrangement to insert probes



WARRANTY:	ACCESSORIES:
• 5 YEARS FOR THE TANK • 2 YEARS FOR COMPONENTS	P.77

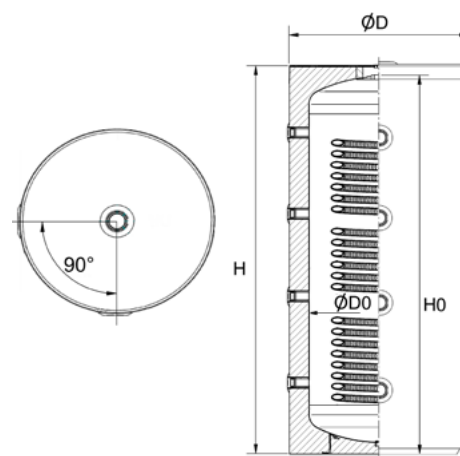
TECHNICAL DATA	Series PTS					
	Model	500	800	1000	1500	2000
	Code	FU000312	FU000313	FU000314	FU000315	FU000316
Tank capacity	l	497	772	902	1526	1998
DHW exchanger surface (corrugated)	m ²	5.5	6	6	9.8	9.8
DHW exchanger water content	l	28	30	30	50	50
Type of insulation	type	Hard shelled PU				
Insulation thickness	mm	≥70	≥70	≥70	≥110	≥110
ErP Energy Class		C	C	C	C	C
ErP Heat Loss	Watt	≤ 104	≤ 129	≤ 141	≤ 171	≤ 187
Max. temp. tank/exchanger	°C	95	95	95	95	95
Max. tank/exchanger operating pressure	MPa	0.3 / 0.6	0.3 / 0.6	0.3 / 0.6	0.3 / 0.6	0.3 / 0.6
Net weight	kg	123	155	173	264	327
Overall dimensions (with insulation):	ØD mm	810	910	950	1250	1350
	H mm	1750	1970	2120	2240	2420
Tilting diagonal (without insulation)	mm	1740	1950	2100	2240	2430

CONNECTIONS



TECHNICAL DATA SHEET

DIMENSIONAL DIAGRAM





Series
Type
Version
Application
Heat Source
Litres

PTSW



ErP Energy class

Multi-purpose storage tank
Floor-standing with integration exchangers and instant DHW production
Buffer tank for heating water and instant DHW production
Gas Boiler - District Heating - Solar
From 500 to 2000 litres



Pipe in Tank multi-purpose storage tanks have a high capacity to store energy from multiple heat Heat Source, with operating temperatures up to 95°C. The instant domestic hot water production is guaranteed by a stainless steel coil: this system provides maximum protection against bacteria.

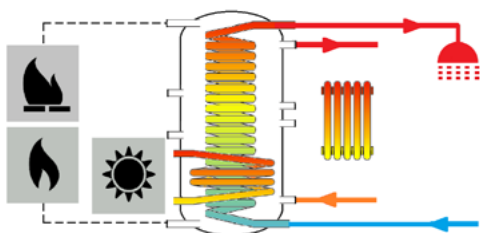
- Carbon steel inner tankArrangement to insert probes
- Coil for domestic hot water production, in corrugated stainless steel AISI 316L
- Rigid polyurethane foam (PU) insulation in pre-formed shell sections. The insulation can be separated in case of needs related to handling and installation.
- Plastic outer coating (PVC or ABS RAL 9010)
- Arrangement for electric heating element with a 1" ½ sleeve
- Integration exchanger
- Tank painted on the outside



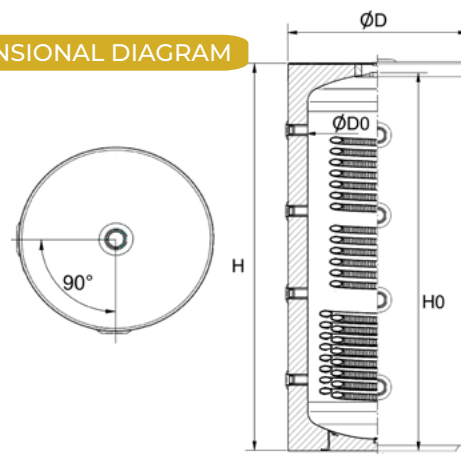
WARRANTY:	ACCESSORIES:
• 5 YEARS FOR THE TANK • 2 YEARS FOR COMPONENTS	P.77

TECHNICAL DATA	Series	PTSW				
	Model	500	800	1000	1500	2000
	Code	FU000317	FU000318	FU000319	FU000320	FU000321
Tank capacity	l	497	772	902	1526	1998
DHW exchanger surface (corrugated)	m²	5.5	6	6	9.8	9.8
DHW exchanger water content	l	28	30	30	50	50
Heat exchanger surface area	m²	1.8	2.4	3.1	3.5	3.8
Heat exchanger power [DT 35°C]	kW	45	60	77.5	87.5	95
Primary flow rate	m³/h	1.93	2.58	3.33	3.76	4.08
Pressure drop	mbar	101	165	280	370	451
Type of insulation	type	Hard shelled PU				
Insulation thickness	mm	≥70	≥70	≥70	≥110	≥110
ErP Energy Class		C	C	C	C	C
ErP Heat Loss	Watt	≤ 104	≤ 129	≤ 141	≤ 171	≤ 187
Max. operating temp.	°C	95	95	95	95	95
Max. Tank/Exchanger/Coil operating pressure	MPa	0.3 / 0.6 / 1.0	0.3 / 0.6 / 1.0	0.3 / 0.6 / 1.0	0.3 / 0.6 / 1.0	0.3 / 0.6 / 1.0
Net weight	kg	149	187	212	317	359
Overall dimensions (with insulation):	ØD mm	810	910	950	1250	1350
	H mm	1750	1970	2120	2240	2420
Tilting diagonal (without insulation)	mm	1740	1950	2100	2240	2430

CONNECTIONS



DIMENSIONAL DIAGRAM



TECHNICAL DATA SHEET



Accessories & kit

for BUFFER TANKS

230V single-phase electric heating element kit for installation on the special 1 ½" sleeve

Consisting of: an AISI 321 stainless steel heating element on a 1"½ brass sleeve, a gasket, a safety and control thermostat, shuko cable and plug, for installation on the prepared threaded connection.

REF.	CODE	DESCRIPTION	VERSION	COMPATIBLE WITH:				
				SIZE				
100	180	300	400	500				
	071185	Single-phase Stainless Steel Electric Kit 1"½ 2.0 kW 230 V~	ISPHC	x	x	x	x	x
	071186	Single-phase Stainless Steel Electric Kit 1"½ 3.0 kW 230 V~	ISPHC	x	x	x	x	x

400V three-phase electric heating element kit for installation on the special 1 ½" sleeve

Consisting of: an INCOLOY 825 stainless steel heating element on a 1"½ coupling, a gasket, an external safety and control thermostat, a power cable, to be installed on the prepared threaded connection

REF.	CODE	DESCRIPTION	VERSION	COMPATIBLE WITH:					
				SIZE					
500	800	1000	1250	1500	2000				
	071000	Three-phase stainless steel electric kit 1 " ½ 3.0 kW 400-3 V~	ISPH		x	x	x	x	x
			ISPHW	x	x	x	x	x	x
			ISPHWW		x	x		x	x
			PTS	x	x	x		x	x
			PTSW	x	x	x		x	x
	071001	Three-phase stainless steel electric kit 1 " ½ 6.0 kW 400-3 V~	ISPH		x	x	x	x	x
			ISPHW	x	x	x	x	x	x
			ISPHWW		x	x		x	x
			PTS	x	x	x		x	x
			PTSW	x	x	x		x	x
	071002	Three-phase stainless steel electric kit 1 " ½ 9.0 kW 400-3 V~	ISPH		x	x	x	x	x
			ISPHW		x	x	x	x	x
			ISPHWW		x	x		x	x
			PTS		x	x		x	x
			PTSW		x	x		x	x



STYLEBOILER

ELECTRIC WATER HEATERS

ELECTRIC WATER HEATERS



Introduction

Our range of electric storage water heaters offers complete solutions for domestic hot water production, suitable for residential, commercial and industrial applications, with single-phase and three-phase electrical connections. The portfolio includes compact models for small hot water demands, standard models for everyday use and large-capacity units for high-demand applications. The latest addition, **ELIOS PRO**, features an ultra-slim design, vertical or horizontal installation, an intuitive control display and integrated **Wi-Fi connectivity** for remote operation. All products are designed and manufactured in compliance with European and international standards.

External control knob

External control device for easy water temperature adjustment, integrated with the inspection flange to allow convenient access for storage tank inspection and cleaning operations.

Thermal insulation

With very thick high-density polyurethane (PU) foam to guarantee optimal thermal insulation.

ELECTRIC WATER HEATERS

Environmentally friendly

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

IP protection rating

Our water heaters are safe because they are splash-proof and can be installed close to water delivery points, even in public and communal settings.

Magnesium anode

Present in all products in the range, it makes the electrochemical protection of the storage tank constantly effective.

Dual safety

Obtained with an operating thermostat and overheating thermostat to prevent possible malfunctions

Tank protection against wear

Thanks to the “flow-coating” enamelling at 850°C, WRAS (BS6920-1) and KTW-BWGL approved according to UBA specifications (German Environmental Agency)



ELECTRIC WATER HEATERS

Product range: ELECTRIC WATER HEATERS

APPLICATION

Image				
Product name	VSXI Smart	ELIOS Pro	Point of Use	VD / VF / VF SE
Type of installation	vertical wall-mounted	vertical/horizontal wall-mounted	over/under sink	vertical wall-mounted
Available sizes	35, 50, 80, 100	50, 80, 100	10, 15, 30	50, 80, 100
Tank material	AISI 316L STEEL	Glass-lined carbon steel		
Electric power supply	230-1-50	230-1-50	230-1-50	230-1-50
Heating element power	1300 W	2000 W	1200 W	1200 W
Number of integration heat exchangers	0	0	0	0
Integration source	/	/	/	/
Energy Class 	A/B	B	B	C

APPLICATION

Image				
Product name	VF/T	VF	OD/OF	OF/T
Type of installation	thermo vertical wall-mounted	vertical wall-mounted	horizontal wall-mounted	thermo horizontal wall-mounted
Available sizes	50, 80, 100	150, 200	80, 100	80
Tank material	Glass-lined carbon steel			
Electric power supply	230-1-50	230-1-50	230-1-50	230-1-50
Heating element power	1200 W	2000 W	1200 W	1200 W
Number of integration heat exchangers	1	0	0	1
Integration source	 	/	/	 
Energy Class 	C	C	C	C

ELECTRIC WATER HEATERS

Product range: ELECTRIC WATER HEATERS

APPLICATION

Image		
Product name	ISS	ISSXAI
Type of installation	Floor-standing	Floor-standing
Available sizes	120, 160, 200, 300, 400, 500	120, 160, 200, 300, 400, 500
Tank material	Glass-lined carbon steel	AISI 316L STEEL
Electric power supply	230-1-50 / 400-3-50	230-1-50 / 400-3-50
Heating element power	from 2.0 kW to 5.0 kW	from 2.0 kW to 5.0 kW
Number of integration heat exchangers	/	/
Integration source	/	/
Energy Class 	C	C



Series	VSXI <i>inox</i>
Type	SMART electric water heaters
Version	STAINLESS STEEL wall-mounted
Application	Domestic hot water
Heat Source	Electric
Litres	From 35 to 100 litres



The wall-mounted "SMART" electric storage water heaters provide hot water quickly and efficiently.



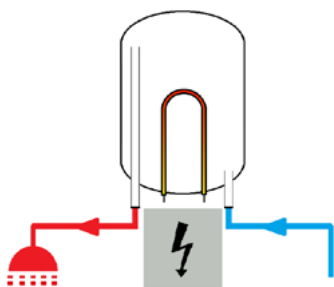
- Wi-Fi connection for remote control (iOS and Android)
- Stainless steel AISI 316L tank pickled and passivated, (EN 1.4404) welded with "TIG" and "Plasma" technologies for optimum protection from the effects of corrosion
- Incoloy 825 stainless steel heating element
- User-friendly digital interface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



WARRANTY:	ACCESSORIES:
• 10 YEARS FOR THE TANK • 2 YEARS FOR COMPONENTS	P.96

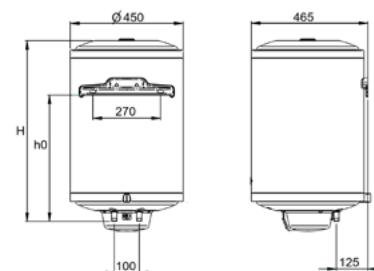
TECHNICAL DATA	Series	VSXI SMART			
	Model	35	50	80	100
	Code	IU000051	IU000052	IU000053	IU000054
Capacity	l	35	50	80	100
Power	kW	1.30			
Power supply	V-ph-Hz	230-1-50			
Heat-up time (DT=50°)	min	96	138	220	276
ErP Energy Class	A	A	B	B	B
ErP load profile	type	S	M	M	M
Max. operating temp.	°C	75			
Maximum operating pressure	MPa	0.8			
Net weight	kg	12.5	15.5	20.5	25.5
Hydraulic connections	G	1/2"	1/2"	1/2"	1/2"
Overall dimensions	H mm	512	512	742	893
	h0 mm	287	287	518	669

CONNECTIONS



TECHNICAL DATA SHEET

DIMENSIONAL DIAGRAM





Series
Type
Version
Application
Heat Source
Litres

Elios PRO

SMART electric water heaters
Double-tank wall-mounted
Domestic hot water
Electric
From 50 to 80 litres

ErP  B
Energy class

Elios Pro compact double-tank electric water heaters are ideal for producing medium quantities of water quickly and cost-effectively.



- Unit having an extremely compact design, 285 mm deep, that can be installed in a vertical or horizontal position
- Installed electric power: 1200+800 Watts
- Elegant aesthetics and simple and user-friendly control display
- SMART function for performance optimisation
- Power modulation function
- Internal structure with double tank and magne-

sium anode protection on each tank

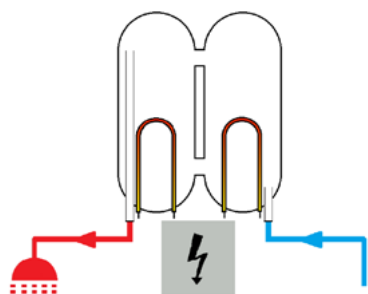
- **Glass-lined steel storage tank**
- Electric heating element on each single tank with double temperature reading to ensure maximum efficiency and availability of hot water
- Safety valve (8 bar) as standard
- **Remote control via Wi-Fi system**



WARRANTY:	ACCESSORIES:
• 5 YEARS FOR THE TANK • 2 YEARS FOR COMPONENTS	P.96

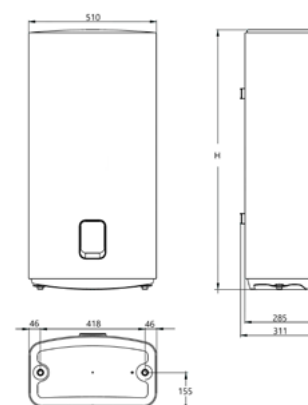
TECHNICAL DATA	Series	ELIOS PRO		
	Model	50	80	100
	Code	FU000161	FU000162	FU000163
Capacity	l	40	64	80
Power	kW	2.0 (0.8 + 1.2)		
Power supply	V-ph-Hz	230-1-50		
Heat-up time (DT=50°)	min	01:05	01:43	02:10
ErP Energy Class		B	B	B
ErP load profile	type	M	M	M
Max. operating temp.	°C	75		
Maximum operating pressure	MPa	0.8		
Net weight	kg	22.5	32	39
Hydraulic connections	G	1/2"	1/2"	1/2"
Overall dimensions	H mm	705	1032	1236

CONNECTIONS



TECHNICAL DATA SHEET

DIMENSIONAL DIAGRAM





Series
Type
Version
Application
Heat Source
Litres

Point of Use

Electric Water Heater
Wall-mounted, over/under sink
Domestic hot water
Electric
From 10 to 30 litres

ErP  B
Energy class



The electric wall-mounted storage water heaters are ideal for producing small amounts of water quickly and cost-effectively. They can be installed over or under the sink (30 litres over the sink only).

- Steel storage tank, glass-lined "Blue Glass 4753" using the flow-coating method (850°C), WRAS (BS6920-1) and KTW-BWGL approved according to UBA specifications (German Environmental Agency)
- External temperature selector (SE version)
- Equipped with an internal bipolar safety thermostat. The armoured electric heating element is curved on a flange regulated by a bipolar thermostat (Lux SE version).
- Insulation in pre-printed shells in high-density insulating material: thermal insulation and energy saving
- Integrated magnesium anode
- IPX5 protective cover over electric parts
- 1/2" connections, with a centre distance of 100 mm.

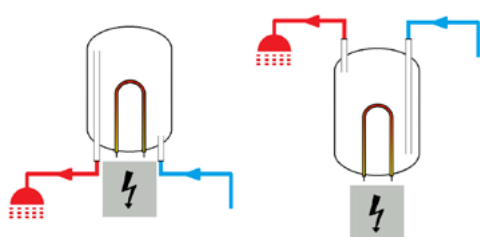
External selector for **Point of Use/SE LUX**



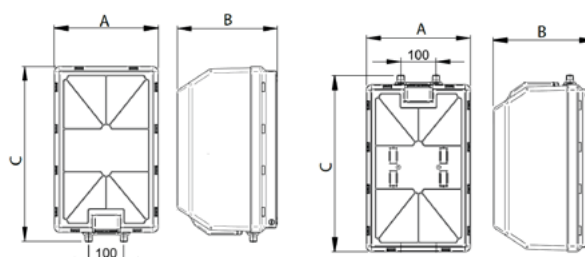
WARRANTY:	ACCESSORIES:
• 2 YEARS FOR THE TANK • 2 YEARS FOR COMPONENTS	P.96

TECHNICAL DATA	Series	POINT OF USE/2				
	Model	10/2	10/2 s	15/2	15/2 s	30/2
	Code	171513	171514	171515	171516	171517
	Warranty	2 years				
Capacity	l	10	10	15	15	30
Power	kW	1.2				
Power supply	V-ph-Hz	230-1-50				
Heat-up time (DT=50°)	min	30	30	46	46	92
ErP Energy Class		B	B	B	B	C
ErP load profile	type	XXS	XXS	XXS	XXS	S
Max. operating temp.	°C	75				
Maximum operating pressure	MPa	0.8				
Net weight	kg	6	6	7.5	7.5	10
Hydraulic connections	G	1/2"	1/2"	1/2"	1/2"	1/2"
	A mm	261	261	296	296	366
	B mm	251	251	285	285	355
Overall dimensions	C mm	450	450	498	498	568
Installation	-	over sink	under sink	over sink	under sink	over sink

CONNECTIONS



DIMENSIONAL DIAGRAM





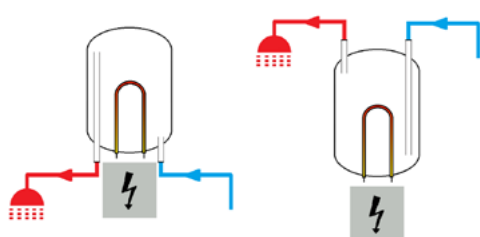
TECHNICAL DATA	Series	POINT OF USE/5				
	Model	10/5	10/5 s	15/5	15/5 s	30/5
	Code	161454	161455	161484	161485	161507
	Warranty	5 years				
Capacity	l	10	10	15	15	30
Power	kW	1.2				
Power supply	V-ph-Hz	230-1-50				
Heat-up time (DT=50°)	min	30	30	46	46	92
ErP Energy Class	 B	B	B	B	B	C
ErP load profile	type	XXS	XXS	XXS	XXS	S
Max. operating temp.	°C	75				
Maximum operating pressure	MPa	0.8				
Net weight	kg	6	6	7.5	7.5	10
Hydraulic connections	G	1/2"	1/2"	1/2"	1/2"	1/2"
Overall dimensions	A mm	261	261	296	296	366
	B mm	251	251	285	285	355
	C mm	450	450	498	498	568
Installation	-	over sink	under sink	over sink	under sink	over sink

TECHNICAL DATA	Series	POINT OF USE/SE LUX (External Selector)				
	Model	10/5	10/5 s	15/5	15/5 s	30/5
	Code	171000	171001	171002	171003	171004
	Warranty	5 years				
Capacity	l	10	10	15	15	30
Power	kW	1.2				
Power supply	V-ph-Hz	230-1-50				
Heat-up time (DT=50°)	min	30	30	46	46	92
ErP Energy Class	 B	B	B	B	B	C
ErP load profile	type	XXS	XXS	XXS	XXS	S
Max. operating temp.	°C	75				
Maximum operating pressure	MPa	0.8				
Net weight	kg	6	6	7.5	7.5	10
Hydraulic connections	G	1/2"	1/2"	1/2"	1/2"	1/2"
Overall dimensions	A mm	261	261	296	296	366
	B mm	251	251	285	285	355
	C mm	450	450	498	498	568
Installation	-	over sink	under sink	over sink	under sink	over sink

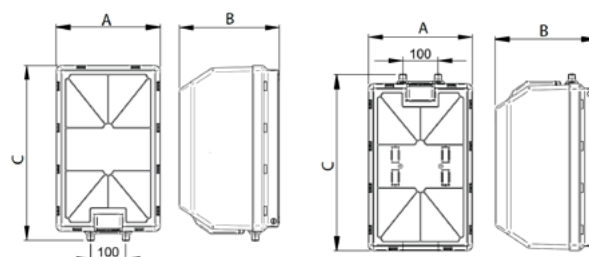
WARRANTY: ACCESSORIES:
 • 5 YEARS FOR THE TANK
 • 2 YEARS FOR COMPONENTS

P.96

CONNECTIONS



DIMENSIONAL DIAGRAM





Series
Type
Version
Application
Heat Source
Litres

Vertical VD

Electric Water Heater
Wall-mounted
Domestic hot water
Electric
From 50 to 100 litres

ErP Energy class



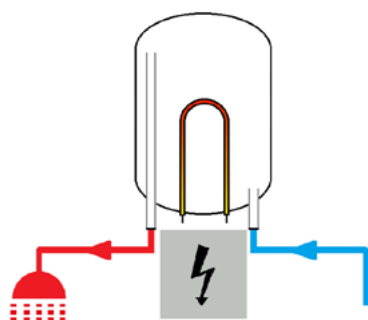
- Steel storage tank, glass-lined "Blue Glass 4753" using the flow-coating method (850°C), WRAS (BS6920-1) and KTW-BWGL approved according to UBA specifications (German Environmental Agency)
- Threaded armoured copper heating element on a 1 1/4" sleeve
- Long-life magnesium anode
- Safety and control immersion thermostat
- Indicator light bulb
- Outer casing made of epoxy powder-coated sheet metal
- Polyurethane foam (PU) insulation
- IPX4 protective cover over electric parts
- Water temperature indicator



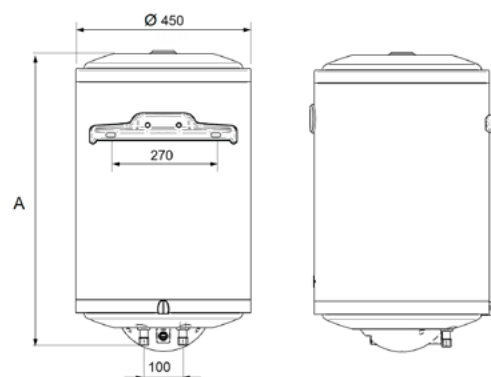
WARRANTY:	ACCESSORIES:
• 2 YEARS FOR THE TANK • 2 YEARS FOR COMPONENTS	P.96

TECHNICAL DATA	Series	VD		
	Model	50	80	100
	Code	171843	171844	171845
Capacity	l	50	80	100
Power	kW		1.2	
Power supply	V-ph-Hz		230-1-50	
Heat-up time (DT=50°)	min	153	245	306
ErP Energy Class	C	C	C	C
ErP load profile	type	M	M	L
Max. operating temp.	°C		75	
Maximum operating pressure	MPa		0.8	
Net weight	kg	15.1	21.8	25.5
Hydraulic connections	G	1/2"	1/2"	1/2"
Overall dimensions	A mm	511	742	893

CONNECTIONS



DIMENSIONAL DIAGRAM





Series
Type
Version
Application
Heat Source
Litres

Vertical VF/VF SE

Electric Water Heater
Wall-mounted
Domestic hot water
Electric
From 50 to 100 litres

ErP 
Energy class



The wall-mounted storage electric water heaters are the basic product range for the most varied requirements on the market.

- Steel storage tank, glass-lined "Blue Glass 4753" using the flow-coating method (850°C), WRAS (BS6920-1) and KTW-BWGL approved according to UBA specifications (German Environmental Agency)
- Ø 88 mm storage tank inspection flange and external temperature selector (SE version)
- Threaded armoured copper heating element on a 1 ¼ sleeve
- Long-life magnesium anode
- Safety and control immersion thermostat
- Outer casing made of epoxy powder-coated sheet metal
- Indicator light bulb
- Polyurethane foam (PU) insulation
- IPX4 protective cover over electric parts
- Water temperature indicator

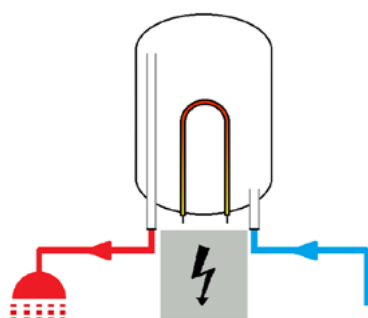
External Selector



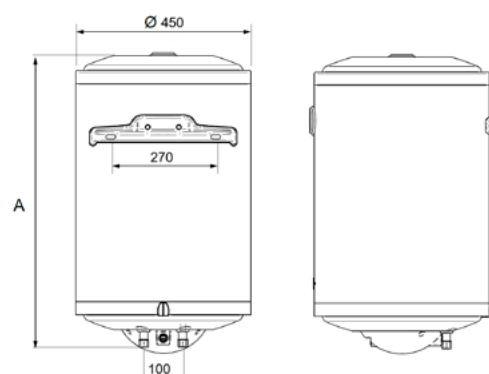
WARRANTY:	ACCESSORIES:
• 5 YEARS FOR THE TANK • 2 YEARS FOR COMPONENTS	P.96

TECHNICAL DATA	Series	VF		
	Model	50	80	100
	Code	171862	171863	171864
	Series	VF SE LUX (Flange and External Selector)		
	Model	50	80	100
	Code	171859	171860	171861
Capacity	l	50	80	100
Power	kW	1.2		
Power supply	V-ph-Hz	230-1-50		
Heat-up time (DT=50°)	min	153	245	306
ErP Energy Class		C	C	C
ErP load profile	type	M	M	L
Max. operating temp.	°C	75		
Maximum operating pressure	MPa	0.8		
Net weight	kg	15.1	21.8	25.5
Hydraulic connections	G	1/2"	1/2"	1/2"
Overall dimensions	A mm	511	742	893

CONNECTIONS



DIMENSIONAL DIAGRAM





Series
Type
Version
Application
Heat Source
Litres

Vertical VF/T

Thermo Electric Water Heater
Wall-mounted
Domestic hot water
Electric-Storage Tank
From 50 to 100 litres

ErP Energy class



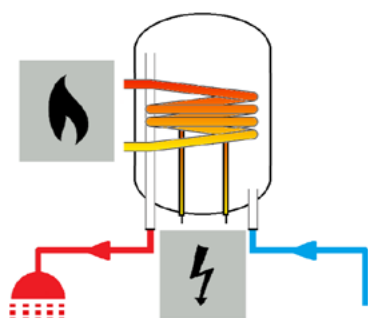
- Steel storage tank, glass-lined "Blue Glass 4753" using the flow-coating method (850°C), WRAS (BS6920-1) and KTW-BWGL approved according to UBA specifications (German Environmental Agency)
- Long-life magnesium anode
- Threaded armoured copper heating element on a 1 1/4" sleeve
- Internal safety and control immersion thermostat
- Indicator light bulb
- Outer casing made of epoxy powder-coated sheet metal
- Polyurethane foam (PU) insulation
- IPX4 protective cover over electric parts
- Stored water temperature indicator
- Exchanger for integration with ambidextrous connection



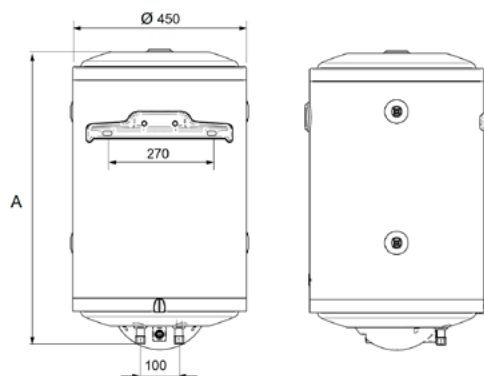
WARRANTY:	ACCESSORIES:
• 5 YEARS FOR THE TANK • 2 YEARS FOR COMPONENTS	P.96

TECHNICAL DATA	Series	VF/T		
	Model	50	80	100
	Code	171867	171868	171869
Capacity	l	50	80	100
Power	kW		1.2	
Power supply	V-ph-Hz		230-1-50	
Heat-up time (DT=50°)	min	153	245	306
ErP Energy Class			C	
ErP load profile	type	M	M	L
Max. operating temp.	°C		75	
Maximum operating pressure	MPa		0.8	
Coil surface area	m²	0.08	0.16	0.16
Heat exchanger power [DT 35°C]	kW	1.8	3.6	3.6
Continuous DHW production [DT 35°C]	l/h	44	88	88
Primary flow rate	m³/h	2	2	2
Net weight	kg	17.0	23.5	27.5
Hydraulic connections	G	1/2"	1/2"	1/2"
Overall dimensions	A mm	511	742	839

CONNECTIONS



DIMENSIONAL DIAGRAM





Series
Type
Version
Application
Heat Source
Litres

Vertical VF

Electric Water Heater
Wall-mounted
Domestic hot water
Electric
From 150 to 200 litres

ErP  Energy class

The wall-mounted storage electric water heaters are the basic product range for the most varied requirements on the market.



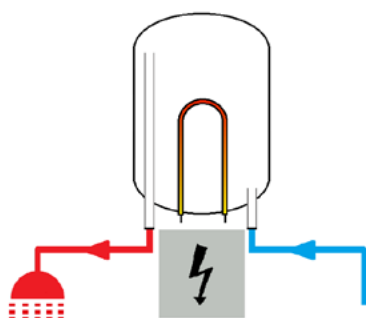
- Steel storage tank, glass-lined "Blue Glass 4753" using the flow-coating method (850°C), WRAS (BS6920-1) and KTW-BWGL approved according to UBA specifications (German Environmental Agency)
- Long-life magnesium anode
- INCOLOY 800 STAINLESS STEEL electric heating element on Ø 134 mm inspection flange
- Safety and control immersion thermostat
- Outer casing made of epoxy powder-coated sheet metal
- Polyurethane foam (PU) insulation
- IPX4 protective cover over electric parts
- Stored water temperature indicator
- Inspection flange



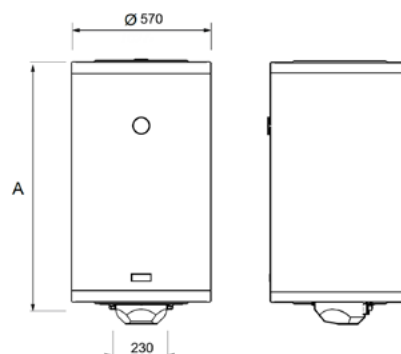
WARRANTY:	ACCESSORIES:
• 5 YEARS FOR THE TANK • 2 YEARS FOR COMPONENTS	P.96

TECHNICAL DATA	Series	VF	
	Model Code	150	200
		172418	172419
Capacity	l	157	210
Power	kW	2	
Power supply	V-ph-Hz	230-1-50	
Heat-up time (DT=50°)	min	275	357
ErP Energy Class		C	
ErP load profile	type	L	
Max. operating temp.	°C	95	
Maximum operating pressure	MPa	0.6	
Net weight	kg	59.5	70
Hydraulic connections	G	3/4" Rp	
Overall dimensions	A mm	1026	1297

CONNECTIONS



DIMENSIONAL DIAGRAM





Series
Type
Version
Application
Heat Source
Litres

Electric Water Heater
Horizontal wall-mounted
Domestic hot water
Electric
80 to 100 litres

ErP Energy class

Horizontal OD/OF

The wall-mounted storage electric water heaters are the basic product range for the most varied requirements on the market.



- Steel storage tank, glass-lined "Blue Glass 4753" using the flow-coating method (850°C), WRAS (BS6920-1) and KTW-BWGL approved according to UBA specifications (German Environmental Agency)
- Ø 88 mm storage tank inspection flange
- Long-life magnesium anode
- Heating element in armoured copper on flange
- Safety and control immersion thermostat
- Polyurethane foam (PU) insulation
- IPX4 protective cover over electric parts
- Outer casing made of epoxy powder-coated sheet metal
- Stored water temperature indicator



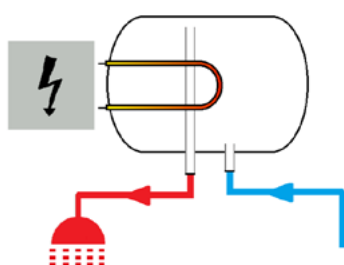
WARRANTY:	ACCESSORIES:
• 2 YEARS FOR THE TANK • 2 YEARS FOR COMPONENTS	P.96

WARRANTY:	ACCESSORIES:
• 5 YEARS FOR THE TANK • 2 YEARS FOR COMPONENTS	P.96

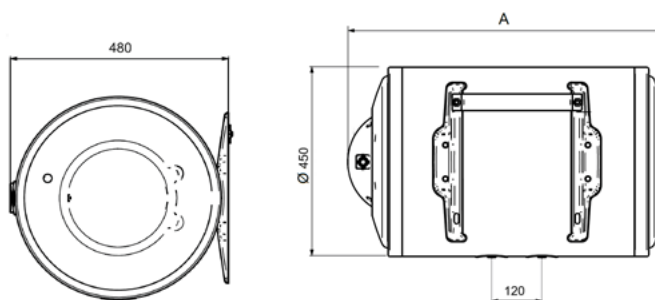
TECHNICAL DATA	Series	OD		OF	
	Model	80		80	100
	Code	171900 RH 171901 LH		171903 RH 171904 LH	171905 RH 171906 LH
Capacity	l	80		80	100
Power	kW	1.2		1.2	
Power supply	V-ph-Hz	230-1-50		230-1-50	
Heat-up time (DT=50°)	min	245		245	306
ErP Energy Class		C		C	C
ErP load profile	type	M		M	L
Max. operating temp.	°C	75		75	75
Maximum operating pressure	MPa	0.8		0.8	0.8
Net weight	kg	20.5		20.5	25.5
Hydraulic connections	G	1/2"		1/2"	1/2"
Overall dimensions	A mm	757		757	908

Notes: RH = Right version , LH = Left version

CONNECTIONS



DIMENSIONAL DIAGRAM





Series
Type
Version
Application
Heat Source
Litres

Horizontal OF/T

THERMO Electric Water Heater
Horizontal wall-mounted
Domestic hot water
Electric-Storage Tank
From 80 litres

ErP  Energy class

HEAT PUMPS

The wall-mounted storage electric water heaters are the basic product range for the most varied requirements on the market.



- Steel storage tank, glass-lined "Blue Glass 4753" using the flow-coating method (850°C), WRAS (BS6920-1) and KTW-BWGL approved according to UBA specifications (German Environmental Agency)
- Ø 88 mm storage tank inspection flange
- Long-life magnesium anode
- Heating element in armoured copper on flange
- Safety and control immersion thermostat
- Integration exchanger
- Polyurethane foam (PU) insulation
- IPX4 protective cover over electric parts
- Outer casing made of epoxy powder-coated sheet metal
- Indicator lamp
- Stored water temperature indicator

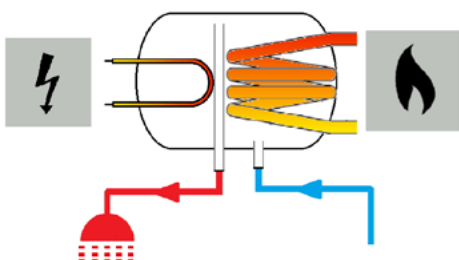


WARRANTY:	ACCESSORIES:
• 5 YEARS FOR THE TANK • 2 YEARS FOR COMPONENTS	P.96

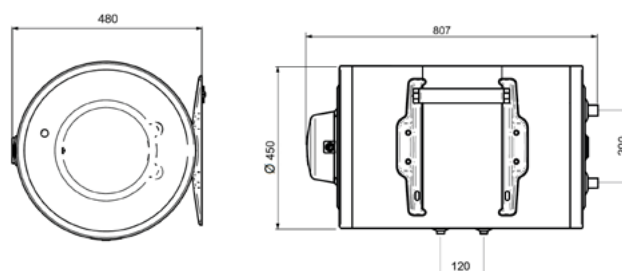
TECHNICAL DATA	Series	OF/T
	Model	80
	Code	171907 RH 171908 LH
Capacity	l	80
Power	kW	1.2
Power supply	V-ph-Hz	230-1-50
Heat-up time (DT=50°)	min	245
ErP Energy Class		C
ErP load profile	type	M
Max. operating temp.	°C	75
Maximum operating pressure	MPa	0.8
Coil surface area	m²	0.21
Heat exchanger power [DT 35°C]	kW	4.7
Continuous DHW production [DT 35°C]	l/h	115
Primary flow rate	m³/h	2
Net weight	kg	26.5
Hydraulic connections and heat exchanger	G	1/2"

Notes: RH = Right version , LH = Left version

CONNECTIONS



DIMENSIONAL DIAGRAM



STAINLESS STEEL INDIRECT CYLINDERS

GLASS-LINED INDIRECT CYLINDERS

COMBI INDIRECT CYLINDERS

STORAGE TANKS

WATER HEATERS



Series
Type
Version
Application
Heat Source
Litres

Floor-standing Electric ISS

Electric Water Heater
Floor-standing
Domestic hot water
Electric
From 120 to 500 litres



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 is made of very thick high-density polyurethane (PU) foam to minimise heat loss. They are ideal for communal use.

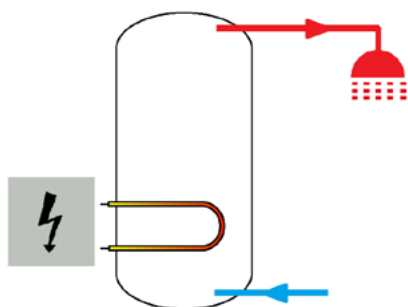
- Steel storage tank, glass-lined "Blue Glass 4753" using the flow-coating method (850°C), WRAS (BS6920-1) and KTW-BWGL approved according to UBA specifications (German Environmental Agency)
- Ø 134 mm front inspection hatch
- Long-life magnesium anode
- INCOLOY 800 STAINLESS STEEL electric heating element on flange
- Safety and control thermostat
- Thick-layer polyurethane foam (PU) insulation
- IPX5 protective cover over electric parts
- Stored water temperature indicator
- Adjustable floor supporting feet.
- Plastic outer coating (PVC)



WARRANTY:	ACCESSORIES:
• 2 YEARS FOR THE TANK • 2 YEARS FOR COMPONENTS	P.96

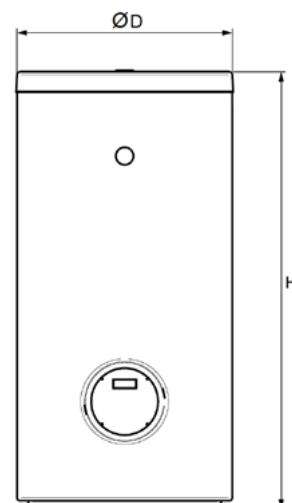
TECHNICAL DATA	Series	ISS					
	Model	120	160	200	300/3	400/3	500/3
	Code	172478	172479	172480	172481	172482	172483
Capacity	l	120	160	200	300	400	500
Power	kW	1,5	2,0	2,0	3,0	4,0	5,0
Power supply	V-ph-Hz	230-1-50			400-3-50		
Heat-up time (DT=50°)	min	294	294	367	367	367	367
ErP Energy Class		C					
ErP load profile	type	L	L	L	L	XL	XL
Max. operating temp.	°C	75	75	75	75	75	75
Maximum operating pressure	MPa	0.6	0.6	0.6	0.6	0.6	0.6
Net weight	kg	38	46	53	77	99	115
Hydraulic connections	Rp	3/4"	3/4"	3/4"	1"	1"	1"
Overall dimensions	ØD mm	610	610	610	650	750	750
	H mm	854	1056	1329	1560	1553	1818

CONNECTIONS



TECHNICAL DATA SHEET

DIMENSIONAL DIAGRAM





Series
Type
Version
Application
Heat Source
Litres

Floor-standing Electric ISSXAI

INOX Electric Water Heater
Floor-standing
Domestic hot water
Electric
From 120 to 500 litres

inox

ErP  Energy class



Floor-standing electric storage water heaters are designed to meet the new expectations in terms of durability and perfection. To this end, the stainless steel product line was introduced, providing maximum quality and durability due to the use of special materials, such as stainless steel and sophisticated technological solutions, such as "TIG" and "Plasma" welding. The insulation is made of very thick high-density polyurethane (PU) foam to minimise heat loss. They are ideal for communal use.

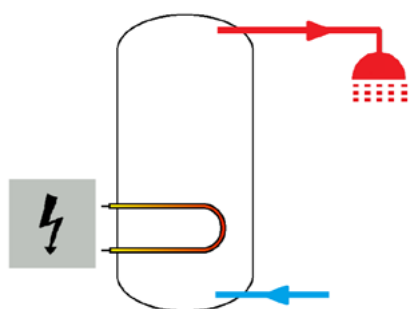
- AISI 316L stainless steel storage tank (EN 1.4404) with pickling and passivation treatment
- 100x150 mm front handhole for models 120-160-200
- Ø134 mm front inspection hatch in models of 300, 400 and 500 litres
- INCOLOY 825 stainless steel single-phase and three-phase heating element
- Safety and control thermostat
- Plastic outer coating (PVC)
- Adjustable floor supporting feet



WARRANTY:	ACCESSORIES:
• 5 YEARS FOR THE TANK • 2 YEARS FOR COMPONENTS	P.96

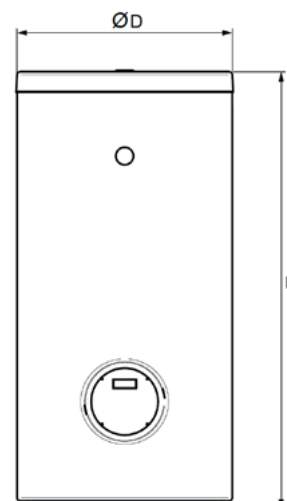
TECHNICAL DATA	Series	ISSXAI					
	Model	120	160	200	300/3	400/3	500/3
	Code	IU000035	IU000036	IU000037	IU000058	IU000059	IU000061
Capacity	l	120	160	200	300	400	500
Power	kW	2.0	2.0	2.0	3.0	4.0	5.0
Power supply	V-ph-Hz	230-1-50			400-3-50		
Heat-up time (DT=50°)	min	294	294	367	367	367	367
ErP Energy Class		C					
ErP load profile	type	L	L	L	L	XL	XL
Max. operating temp.	°C	75	75	75	75	75	75
Maximum operating pressure	MPa	0.6	0.6	0.6	0.6	0.6	0.6
Net weight	kg	38	46	53	77	99	115
Hydraulic connections	Rp	3/4"	3/4"	3/4"	1"	1"	1"
Overall dimensions	ØD mm	550	550	550	650	750	750
	H mm	924	1174	1524	1526	1530	1796

CONNECTIONS



TECHNICAL DATA SHEET

DIMENSIONAL DIAGRAM



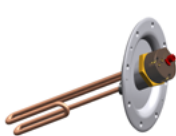
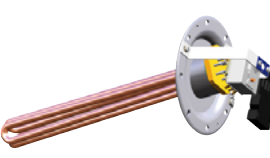


Accessories & kit

for ELECTRIC WATER HEATERS

Electric heating element kit for installation on the front flange Ø 134

Consisting of: a Ø 134 mm counter-flange with a 1" ¼ sleeve, a gasket, copper-sheathed heating element and a thermostat, for installation on the prepared front flange.

REF.	CODE	DESCRIPTION	VERSION	COMPATIBLE WITH:					
				SIZE					
120	160	200	300	400	500				
	070265	Single-phase electric kit 1" ¼ 2.0 kW 230 V~ (FL. Ø 134 mm)	ISS	x	x	x	x	x	x
	070266	Single-phase electric kit 1" ¼ 3.0 kW 230 V~ (FL. Ø 134 mm)	ISS	x	x	x	x	x	x
	070267	Three-phase Electric Kit 2" 3.0 kW 400/3 V~ (FL. Ø 134 mm)	ISS	x	x	x	x	x	x
	070268	Three-phase Electric Kit 2" 4.0 kW 400/3 V~ (FL. Ø 134 mm)	ISS	x	x	x	x	x	x
	070269	Three-phase Electric Kit 2" 5.0 kW 400/3 V~ (FL. Ø 134 mm)	ISS	x	x	x	x	x	x

Electric heating element kit for installation on the front flange Ø 134

Consisting of: a Ø 134 counter-flange, a gasket, an incoloy 800 stainless steel 3-element heating unit, a thermostat and a support bracket.

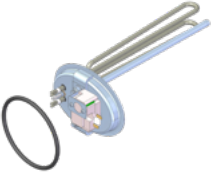
REF.	CODE	DESCRIPTION	VERSION	COMPATIBLE WITH:					
				SIZE					
120	160	200	300	400	500				
	AE000010	Single-phase electric kit HLZ 003 2.0 kW 230 V (FL. Ø 134 mm)	ISS	x	x	x			
	070137	Three-phase stainless steel electric kit 3.0÷6.0 kW 400/3V~ (FL. Ø 134 mm)	ISS	x	x	x	x		
	070138	Three-phase stainless steel electric kit 4.0÷8.0 kW 400/3V~ (FL. Ø 134 mm)	ISS					x	x
	070136	Three-phase stainless steel elec- tric kit 5.0÷10.0 kW 400/3V~ (FL. Ø 134 mm)	ISS					x	x

Accessories & kit

for ELECTRIC WATER HEATERS

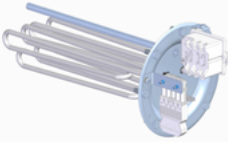
Electric heating element kit for installation on the front flange 100x150

Consisting of: a 100x150 mm stainless steel counter-flange, a gasket, an insulated Incoloy 825 (EN 2.4858) electric heating element and a double-bulb thermostat (safety and control).

REF.	CODE	DESCRIPTION	VERSION	COMPATIBLE WITH:					
				SIZE					
120	160	200	300	400	500				
	AM000008	Single-phase Stainless Steel Electric Kit 2.0 KW 230 V~ (FL. Ø 100x150 mm)	ISSXAI	x	x	x			

Electric heating element kit for installation on the front flange Ø 134

Consisting of: a Ø 134 counter-flange, a gasket, an incoloy 825 stainless steel 3-element heating unit, a thermostat and a support bracket

REF.	CODE	DESCRIPTION	VERSION	COMPATIBLE WITH:					
				SIZE					
120	160	200	300	400	500				
	AE000027	Complete kit of insulated heating elements 4.0 KW 400-3 V~	ISSXAI				x	x	x
	AE000023	Complete kit of insulated heating elements 6.0 KW 400-3 V~	ISSXAI				x	x	x
	AE000028	Complete kit of insulated heating elements 8.0 KW 400-3 V~	ISSXAI					x	x
	AE000029	Complete kit of insulated heating elements 10.0 KW 400-3 V~	ISSXAI						x



Spare parts

for ELECTRIC WATER HEATERS

Electric heating element kit

REF.	CODE	DESCRIPTION	SERIES	COMPATIBLE WITH: SIZE			
				35	50	80	100
	IG000041	CONT. 5F STAINLESS STEEL ELECTRIC HEATING ELEMENT, 2 KW, INSULATED	VS Smart	x	x	x	x
	IG000042	CONT. 5F STAINLESS STEEL ELECTRIC HEATING ELEMENT, 1,3 KW, INSULATED		x	x	x	x

REF.	CODE	DESCRIPTION	SERIES	VERSION	COMPATIBLE WITH: SIZE		
					10	15	30
	071190	REPLACEMENT HEATING ELEMENT W1200 230V ANODE 18X100+O-RING	Point of Use 2	OVER SINK	x	x	x
	071210	REPLACEMENT HEATING ELEMENT 1-1/4 W1200 SL 18X100+O-RING	Point of Use 5	UNDER SINK	x	x	

REF.	CODE	DESCRIPTION	SERIES	COMPATIBLE WITH: SIZE		
				50	80	100
	071190	REPLACEMENT HEATING ELEMENT W1200 230V ANODE 18X100+O-RING	VD	x		
	071176	REPLACEMENT HEATING ELEMENT W1200 230V ANODE 22X200+O-RING			x	x



Spare Parts

for ELECTRIC WATER HEATERS

Thermostats

					COMPATIBLE WITH:		
REF.	CODE	DESCRIPTION	SERIES	VERSION	SIZE		
					10	15	30
	070723	RTS THERMOSTAT 70°/70 GREEN X SELECT	Point of Use 2	OVER SINK	x	x	x
	070722	RTS THERMOSTAT 78°/90 RED X SELECT	Point of Use 5 Point of Use SE	UNDER SINK	x	x	

					COMPATIBLE WITH:		
REF.	CODE	DESCRIPTION	SERIES		SIZE		
					80		
	070054	RTS THERMOSTAT 80°/90° RED	LGE		x		

Thermometers

					COMPATIBLE WITH:		
REF.	CODE	DESCRIPTION	SERIES		SIZE		
					50	80	100
	090580	THERMOSTAT D.70, GREY, BAYONET FITTING, INTER- NAL 15/20 MM	VD		x	x	x
	090591	THERMOSTAT D.70 GREY, BAYONET FITTING, INTER- NAL 25 MM	OD and OF			x	x

WOOD-FIRED WATER HEATER



Introduction

A product that fully harnesses the natural energy released by a simple fuel, wood, which becomes a valuable and easily usable energy source. Using a wood-fired water heater, alone or in combination with an electric heating element, means having low-cost heat while respecting our ecosystem. The models proposed are aimed at mainly domestic users with a strong predisposition to ecological choices and environmental protection. In fact, wood is deemed renewable and an environmentally friendly energy source, all combined with simplicity of installation.

Magnesium anode

Magnesium anode ensures continuous electrochemical protection of the storage tank against corrosion.

- **Steel storage tank, glass-lined with Blue Glass 4753 using the flow-coating process fired at 850°C for long-lasting internal corrosion protection.**
- Refractory material combustion chamber with extractable ash collector
- Mineral wool insulation for reduced heat loss
- Armoured copper heating element, safety and control immersion thermostat (wood-electric version only)
- Outer casing made of epoxy powder-coated sheet metal
- Stored water temperature indicator
- Available in wood-electric version with integrated electric heating element

WOOD-FIRED WATER HEATER

TECHNICAL DATA	Series	LG	LGE
	Model	80	80
	Code	FU000184	FU000185
Capacity	l	80	80
Useful power when operating on wood	kW	15	15
Firebox opening	hxl - mm	115x125	115 x 125
Firebox capacity	dm ³	10.5	10.5
Wood log length	cm	25	25
Electric power supply*	V	/	230 ~
Electric heating element power *	kW	/	1.2
Current absorption*	A	/	5.2
Heating time ΔT 50° *	min	/	250
Max. operating temp.	°C	90	90
Max. operating pressure	MPa	0.7	0.7
Net weight	kg	44	44

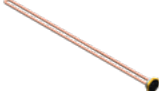
Notes: LG = wood version LGE = Electric-wood version

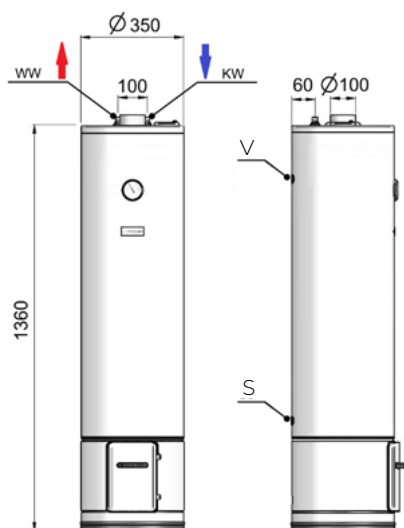
* For the version with electric heating element

Connection legend		
Ref.	Function	Dimensions
KW	Cold water inlet	1/2"
WW	Hot water outlet	1/2"
S	Drain connection	3/4"
V	T&P valve coupling	3/4"

WARRANTY:

- **3 YEARS** FOR THE TANK
- **2 YEARS** FOR COMPONENTS

Accessories & kit			COMPATIBLE WITH:	
for WOOD-FIRED WATER HEATERS			SIZE	
REF.	CODE	DESCRIPTION	VERSION	80
	070011	STRAIGHT HEATING ELEMENT W1200 LG740/290 - WOOD	LGE	x





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new **Green generation** 



2026

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