



**STYLEBOILER**

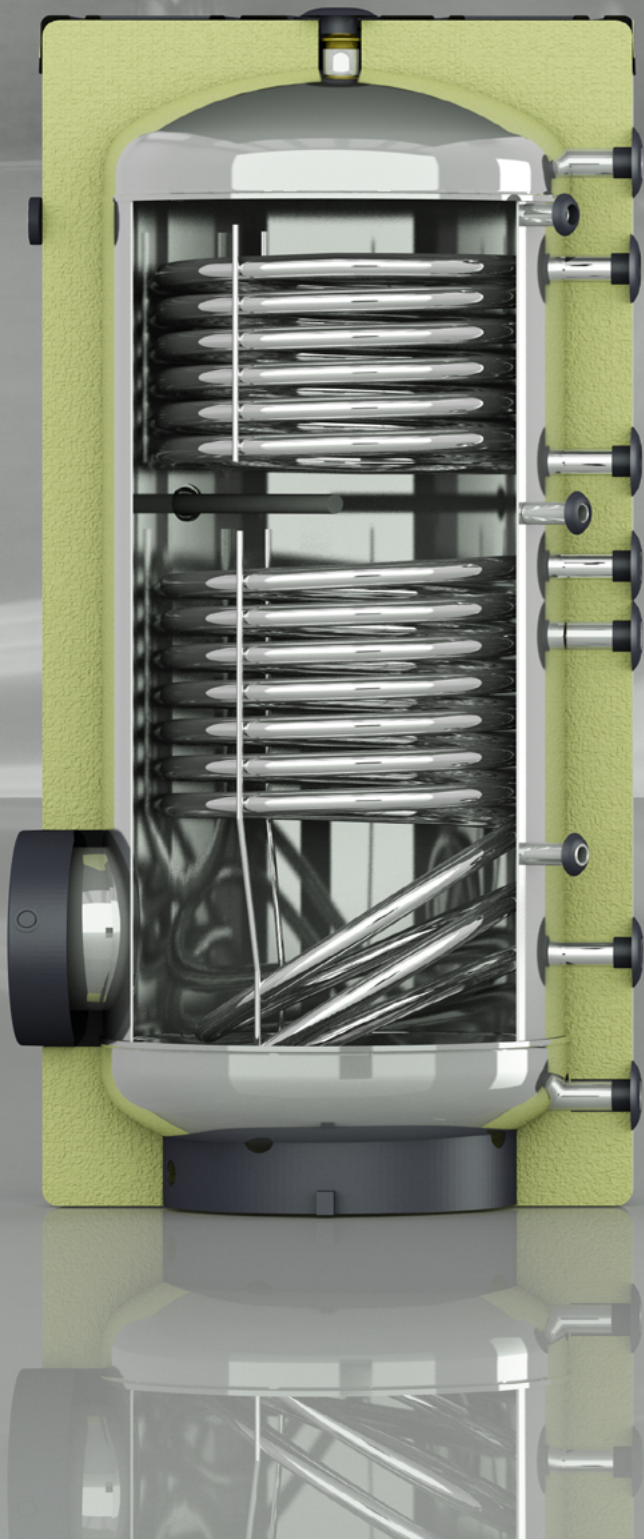
# STAINLESS STEEL INDIRECT CYLINDERS



# STAINLESS STEEL INDIRECT CYLINDERS

## The STRENGTHS of the product range in detail:

The range of stainless steel indirect cylinders is available with one or two fixed coils with large heat exchange surfaces. Provide an easy and large supply of hot water for each type of service. They can be connected to systems of heating, centralized heating or for use in solar heating systems with forced circulation allowing high yields of heat transfer. The range of volumes starts from 120 to 1000 liters with potential exchange of the coils from 20 kW to over 90 kW of power. The use of stainless steel AISI 316L (EN 1.4404) ensure excellent corrosion protection and durability for long life, in addition to top performances.



### Technology

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

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

### Protection lasts over time

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

### Electronic anode

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



## Thermal insulation

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

## Safety

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

## Environmentally friendly

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





# Free Standing *inox*

## 1 Coil

ErP Energy Class

B



### SERIES ISSWXA 120÷1000 +Upgrades

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

- AISI 316L stainless steel tank pickled and passivated, welded with TIG and Plasma technology
- AISI 316L High capacity smooth wall stainless steel coil
- Front inspection hatch (100x150 mm) for 120-500 liters models
- Front inspection hatch (DN 180) for 750-1000 liters models
- Coil with lowered turns to optimize heat exchange and reduce limescale formation
- Option for electronic anode installation (optional)
- External coating in grey PVC material (RAL 7001) for 120 to 500 liters models
- External coating in white ABS material (RAL 9010) for 750 to 1000 liters models
- Hydraulic fittings positioned at the rear
- High-thickness, high-energy-efficiency polyurethane (PU) foam insulation ( $\lambda = 0.022$  W/mK) for 120-500 liters models
- Removable graphite EPS insulation (for 750-1000 liters models)
- Adjustable feet for floor standing
- 1" ½ connection for heating element integration kit
- Probe holder connections
- Recirculation fittings

ACCESSORIES PP. 88

#### WARRANTY:

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



EN 1.4404

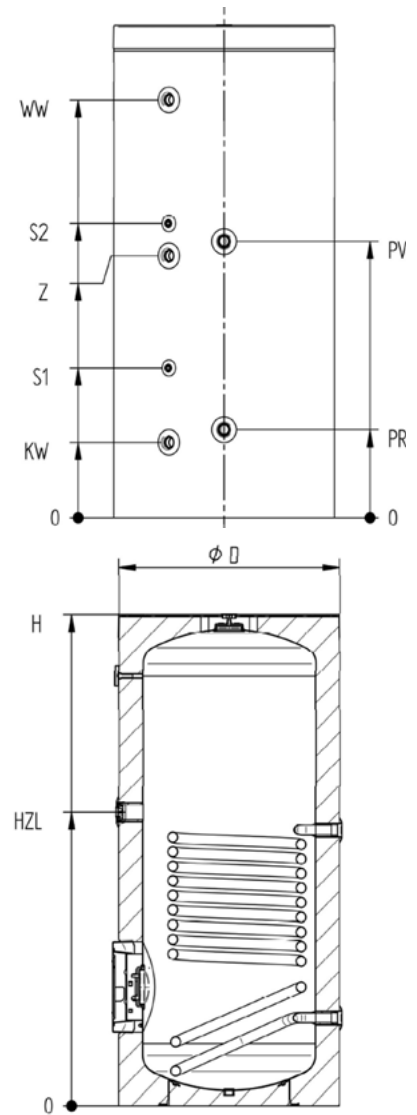


		ISSWXA							
TECHNICAL DATA	Size	120	160	200	300	400	500	750	1000
	Code	IU000147	IU000148	IU000149	IU000150	IU000151	IU000152	IU000153	IU000154
Capacity	l	118	149	197	315	409	487	741	953
Heat exchange surface	m <sup>2</sup>	0,6	1,1	1,3	1,5	1,7	2,1	3,0	3,5
Power ( $\Delta T35k$ )*	kW	27	36	41	61	69	79	107	112
D.H.W. production ( $\Delta T35k$ )*	l/h	663	884	1007	1499	1695	1941	2629	2752
Heating time ( $\Delta T35k$ )*	min.	11	11	12	13	15	16	18	22
Flow resistance	mbar	28	52	62	158	180	225	270	288
Primary flow rate	m <sup>3</sup> /h	2	2	2	3	3	3	3	3
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/h	≤ 45	≤ 52	≤ 55	≤ 65	≤ 73	≤ 80	≤ 105	≤ 120
Max. operating temperature	°C	95	95	95	95	95	95	95	95
Max. operating pressure <sup>1/2</sup>	MPa	0,6	0,6	0,6	0,6	0,6	0,6	0,6	0,6
Net weight	kg	33	45	48	69	107	124	-	-
Hydraulic connections (KW-WW)	Rp	¾"	¾"	¾"	1"	1"	1"	1 ¼"	1 ¼"
Exchanger fittings (PV-PR)	Rp	1"	1"	1"	1"	1"	1"	1 ¼"	1 ¼"
Recirculation fittings (Z)	Rp	¾"	¾"	¾"	1"	1"	1"	¾"	¾"
Hydraulic connection temperature probes (S1,S2)	Rp	3/8"	3/8"	3/8"	3/8"	3/8"	3/8"	1/2"	1/2"
Heating element connection (HZL)	Rp	1 1/2"	1 1/2"	1 1/2"	1 1/2"	1 1/2"	1 1/2"	1 1/2"	1 1/2"
Inner Ø (S1,S2)	mm	9	9	9	9	9	9	-	-
Tilt height	mm	1075	1300	1470	1675	1700	1930	1840	2270

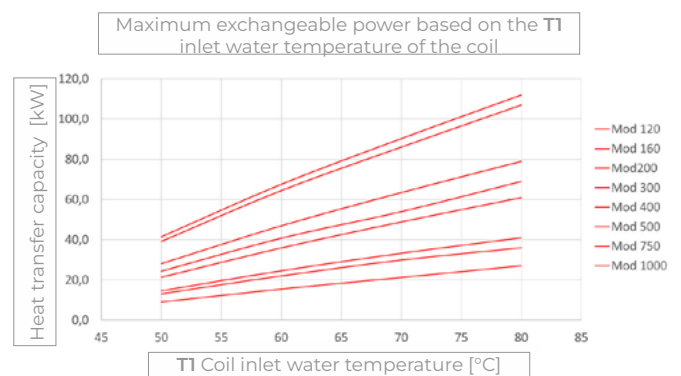
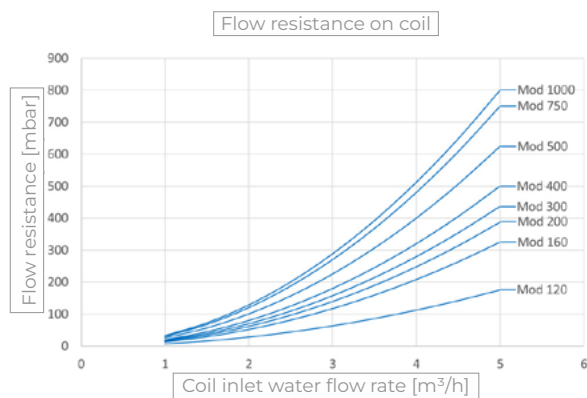
Notes: \* Primary circuit temperature 80° / Secondary circuit temperature 10-45°C / Primary flow rate indicated in the table - D.H.W. = domestic hot water

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





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







# Free Standing *inox*

## 2 Coils

ErP Energy Class

B



### SERIES ISSWWXA 200÷500 **+Upgrades**



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

- AISI 316L stainless steel tank pickled and passivated, welded with TIG and Plasma technology
- AISI 316L High capacity smooth wall stainless steel coil
- Frontal inspection hatch (100x150 mm)
- Lowered coil to optimize the heat exchange process and limit the formation of limescale
- Probe holder connections
- External coating in grey PVC material (RAL 7001)
- Recirculation fittings
- Hydraulic fittings positioned at the rear
- CFC and HCFC-free very thick polyurethane (PU) foam insulation layer ( $\lambda = 0,022 \text{ W/mK}$ )
- Adjustable feet for floor standing
- 1" ½ connection for heating element integration kit
- Option for electronic anode installation (optional)



EN 1.4404



ACCESSORIES PP. 88

**WARRANTY:**

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

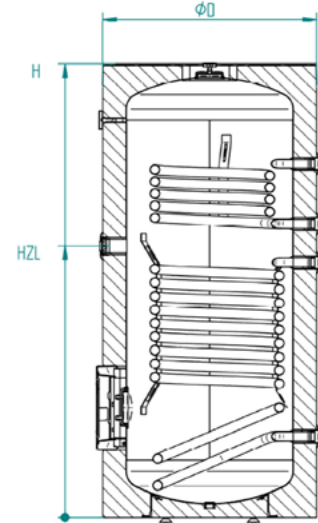
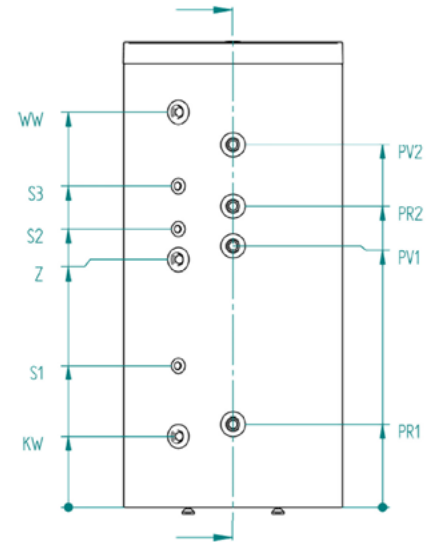
TECHNICAL DATA	ISSWWXA				
	Size	200	300	400	500
	Code	IU000155	IU000156	IU000157	IU000158
Capacity	l	197	315	409	487
Heat exchange surface bot./top	m <sup>2</sup>	1,3/0,5	1,5/0,7	1,7/0,7	2,1/1,0
Power ( $\Delta T35k$ )* bot./top	kW	41/25	65/32	81/32	91/36
D.H.W. production ( $\Delta T35k$ )* bot./top	l/h	1007/614	1597/786	1990/786	2236/884
Heating time ( $\Delta T35k$ )* bot./top	min.	12/8**	12/10**	13/13**	14/14**
Flow resistance bot./top	mbar	140/110	178/130	183/130	235/117
Primary flow rate	m <sup>3</sup> /h	2,0	3,0	3,0	3,0
Insulation thickness	mm	≥75	≥75	≥75	≥75
ErP Energy Class		B	B	B	B
ErP Heat Loss Watt	W/h	59	67	75	81
Max. operating temperature	°C	95	95	95	95
Max. operating pressure <sup>1/2</sup>	MPa	1,0/2,0	1,0/2,0	1,0/2,0	1,0/2,0
Net weight	kg	54,5	77,0	115,3	136,0
Hydraulic connections (KW-WW)	Rp	¾"	1"	1"	1"
Exchanger fittings (PV-PR)	Rp	1"	1"	1"	1"
Recirculation fittings (Z)	Rp	¾"	1"	1"	1"
Hydraulic connection temperature probes (S1,S2,S3)	Rp	3/8"	3/8"	3/8"	3/8"
Inner Ø S1, S2, S3	mm	9	9	9	9
Tilt height	mm	1470	1675	1700	1930

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

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

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





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

