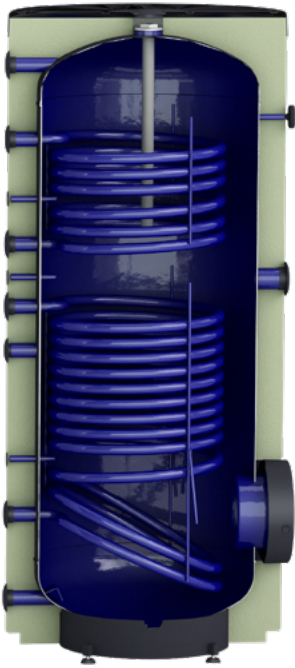




# Free Standing 2 Coils

SERIES ISSWW 200÷2000



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

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

**WARRANTY:**

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



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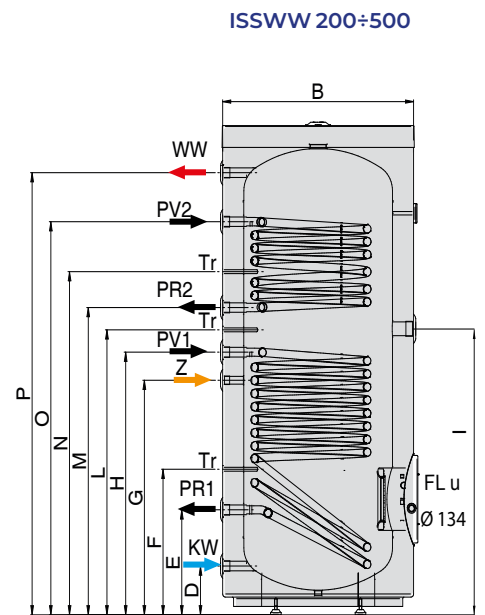
TECHNICAL DATA	U.M.	ISSWW 200	ISSWW 300	ISSWW 400	ISSWW 500	ISSWW 800 L	ISSWW 1000 L	ISSWW 1500 L	ISSWW 2000 L
Capacity	l	198	294	401	487	804	905	1498	2055
Code	/	171952	171953	171954	171955	FU000038	FU000039	FU000040	FU000041
Heat exchange surface bot./top	m <sup>2</sup>	0,7/0,5	1,3/0,9	1,7/0,9	1,7/0,9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

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

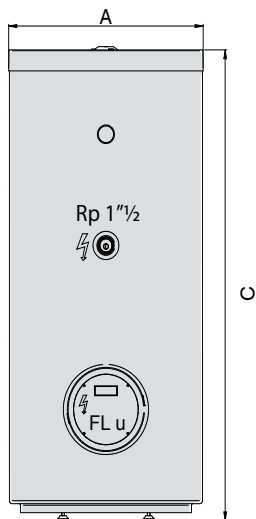
Notes: \*\* Using only the top exchanger volume that is affected will be equal to 40% of the total accumulation

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

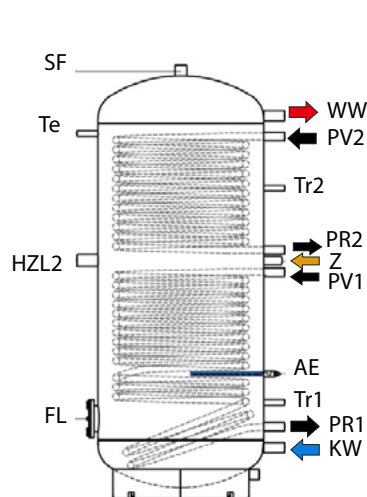
TECHNICAL DATA	U.M.	ISSWW 200	ISSWW 300	ISSWW 400	ISSWW 500
Dimensional values : A	mm	650	705	755	785X800
Dimensional values : B	mm	668	725	775	825
Dimensional values : C	mm	1335	1565	1755	1821
Dimensional values : D	mm	157	154	154	168
Dimensional values : E	mm	268	336	357	371
Dimensional values : F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



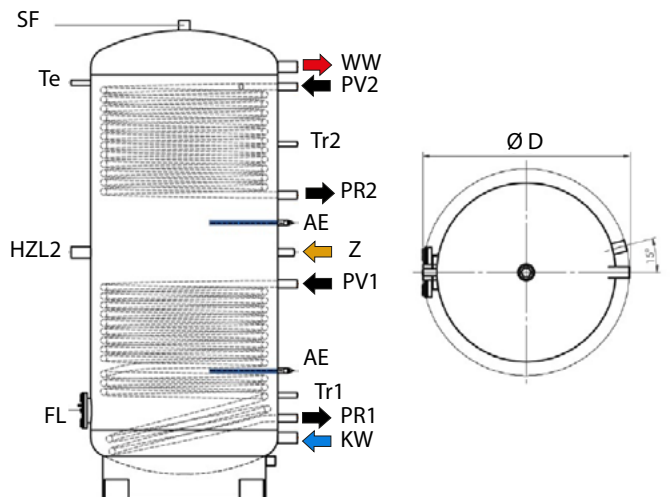
ISSWW 200÷500



ISSWW 800÷1000 L



ISSWW 1500÷2000 L



**DIMENSIONS**

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

**KEY**

KW	Domestic cold water	Z	Recirculation fitting
WW	Domestic hot water	Tr1	Lower dry-well Ø 20 1/2"
PV1	Lower coil inlet	Tr2	Upper dry-well 1/2"
PR1	Lower coil outlet	HZL2	Immersion heater
PV2	Upper coil inlet	Te	Thermometer
PR2	Upper coil outlet	SF	Air vent