



Free Standing 1 Coil

SERIES ISSW 120÷2000



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

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

ACCESSORIES PP. 88

WARRANTY:

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



AVAILABLE ON REQUEST

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

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

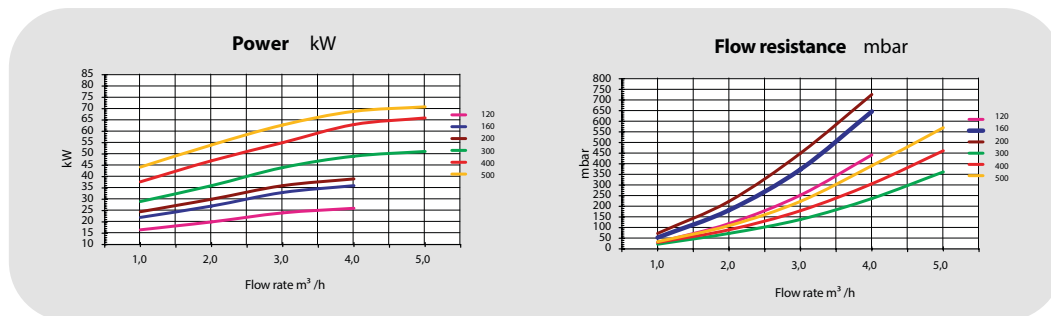
Notes: ¹ Max. operating pressure, ² Max. pressure test according to EN 12897 P.4.4.1

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



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

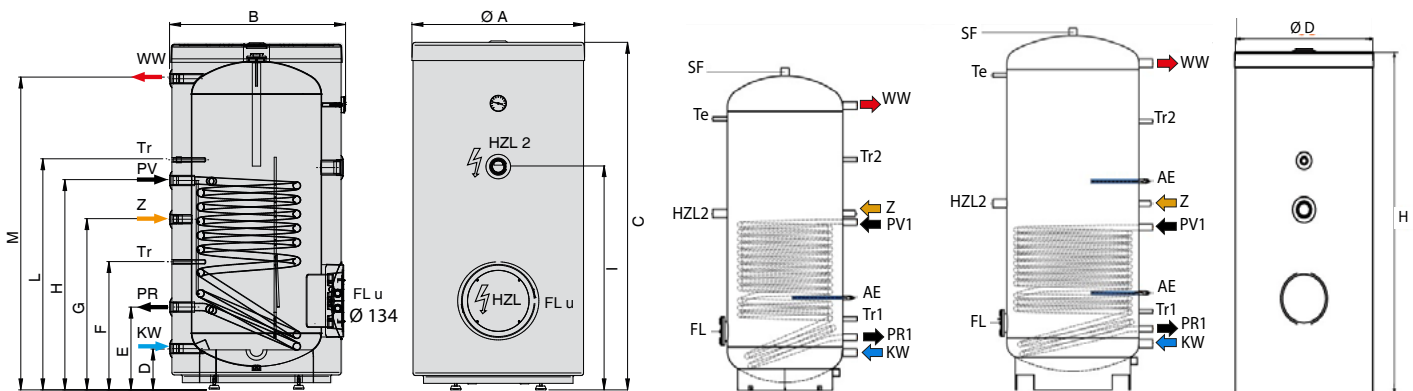
ISSW 120÷500



ISSW 120÷500

ISSW 800÷1000 L

ISSW 1500÷2000 L



DIMENSIONS

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

KEY

KW	Domestic cold water	Z	Recirculation fittings
WW	Domestic hot water	Tr1	Lower dry-well Ø ½"
PV1	Lower coil inlet	Tr2	Upper dry-well ½"
PR1	Lower coil outlet	HZL2	Immersion heater
FLu	Hatch Ø 134	Te	Thermometer
FL	Hatch Ø 180	SF	Air vent