



Free Standing 1 Double Wind

SERIES ISSWP 200÷1000

HIGH PERFORMANCE COIL



Double wound cylinders are equipped with double winding coil, it means high thermic exchange for the best performance with low flow resistance.

Designed for easy and large domestic hot water using heat pumps, can also be connected to central heating and provided with further systems integration. Indicated for all types of users.

- Storage tank of steel, glass-lined with "Blue Glass 4753" flow-coating method at 850°C WRAS (BS6920-1) and KTW-BWGL approved according to UBA specifications (German Environmental Agency)
- Frontal inspection hatch Ø180 mm
- **HIGH Performance** coil with lowered loops to optimize the heat exchange and reduce the limescale production, perfect for technical sanitary water circulation produced by a heat pump
- 1 Corrosion-proof magnesium anode for SERIES 200 lt
- 2 Corrosion-proof magnesium anode for SERIES 300÷600
- Elettronic anode for SERIES 800-1000
- **Lower pressure loss** with consequent savings in system of circulation of the heating fluid
- Suitable housing for sensors (Tr)
- High density very thick polyurethane (PU) hard foam for the utmost energy efficiency (Lambda 0,022 W/mK) for SERIES 200÷600
- High density very thick polyurethane (PU) soft foam for the utmost energy efficiency for SERIES 800-1000
- Electric integration kits available with single and three-phase connection heating element
- **Perfect for heat pumps**

WARRANTY:

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



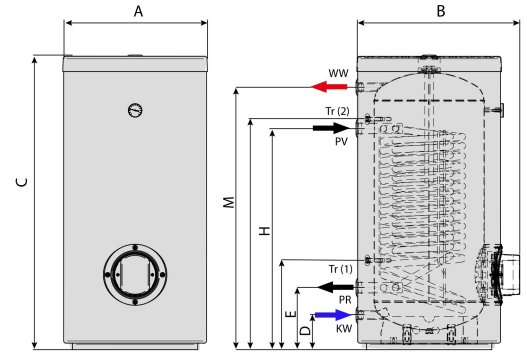
ACCESSORIES PP. 88

TECHNICAL DATA	U.M.	ISSWP 200	ISSWP 300	ISSWP 400	ISSWP 500	ISSWP 600	ISSWP 800 L	ISSWP 1000 L
Capacity	l	208	286	383	475	572	804	905
Code	/	FU000087	172484	172485	172486	172487	FU000042	FU000043
Heat exchange surface	m ²	2,7	3,1	4,9	5,75	6,35	7,7	8,5
Heat exchange surface (ΔT 35°C)*	kW	35,2	42,0	58,8	72,0	76,2	98,0	119,0
D.H.W. production heat exchanger (ΔT 35°C)*	l/h	866	1032	1297	1769	1873	2408	2924
Heating time using exchanger (ΔT 35°C)*	min.	see technical data sheet on next page					21	20
Insulation thickness	mm	≥75	≥75	≥75	≥75	≥50	≥100	≥100
Thermal insulation	-	Very thick PU insulation layer					Polyester fiber insulation 100 mm + external black PVC	
Tank protection against corrosion	-	Blue Glass 4753" enamelling process certified WRAS BS 6320-1) and KTW-BWGL approved according to UBA specifications, magnesium anode					Enamelling process as per DIN 4753, magnesium anode	
ErP Energy Class		B	B	B	B	C	C	C
ErP Heat Loss Watt	W/h	58	65	73	77	110	127	142
Max. operating temperature	°C	95	95	95	95	95	95	95
Max. operating temperature ^{1/2}	MPa	0,6/1,2	0,6/1,2	0,6/1,2	0,6/1,2	0,6/1,2	0,6/1,2	0,6/1,2
Net weight	kg	91	138	171	201	253	305	360
Ø Frontal inspection hatch (FL)	mm	180	180	180	180	180	180	180
Hydraulic connections (KW-WW)	mm	1"	1" Rp	1" Rp	1" Rp	1" Rp	1" ½ IG	1" ½ IG
Exchanger fittings (PV-PR)	mm	1"¼	1"¼ Rp	1"¼ Rp	1"¼ Rp	1"¼ Rp	1" ½ IG	1" ½ IG
Recirculation fitting (Z)	Rp	nd	¾" / Rp	¾" / Rp	¾" / Rp	¾" / Rp	1" IG	1" IG
Heating element connection (HZL2)	Rp	nd	1" ½ Rp	1" ½ Rp	1" ½ Rp	1" ½ Rp	1" ½ IG	1" ½ IG

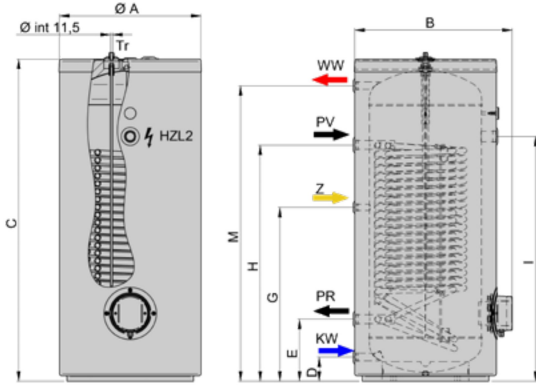
Note : ¹ Max. operating pressure, ² Max. pressure test according to EN 12897 P.4.4.1

TECHNICAL DATA	U.M.	ISSWP 200	ISSWP 300	ISSWP 400	ISSWP 500	ISSWP 600
Dimensional values : A	mm	650	710	755	780x805	780x805
Dimensional values : B	mm	745	725	775	825	825
Dimensional values : C	mm	1345	1565	1755	1821	1825
Dimensional values : D	mm	158	154	155	168	130
Dimensional values : E	mm	248	344	358	371	287
Dimensional values : G	mm	-	834	958	913	1182
Dimensional values : H	mm	1014	1044	1293	1366	1282
Dimensional values : I	mm	-	1094	1339	1412	1335
Dimensional values : M	mm	1204	1415	1586	1658	1665
Dimensional values : Tr (1)	mm	410	-	-	-	-
Dimensional values : Tr (2)	mm	1058	-	-	-	-
Tilt height	mm	1475	1675	1868	1950	1955

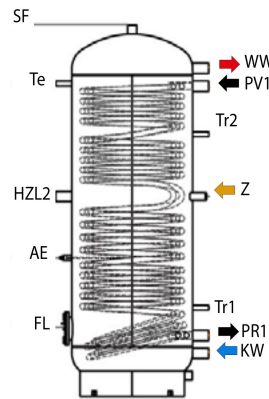
ISSWP 200



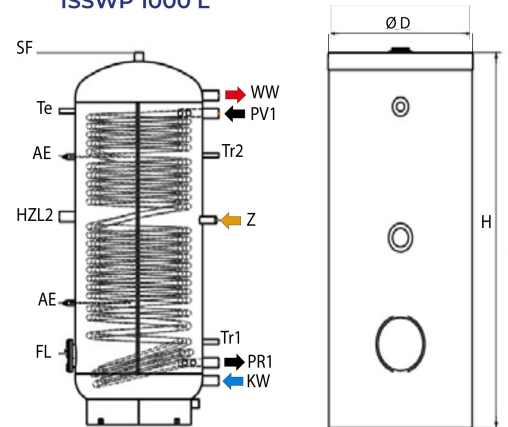
ISSWP 300÷600



ISSWP 800 L



ISSWP 1000 L



PERFORMANCE DATA

Continuous D.H.W. production calculated with the following temperature ¹

Value as per DIN 4708 (NL data) ²

D.H.W. production in 60 min ³

Coil	50 °C		60 °C		NL	Max Performance 10 min		D.H.W. Performance after 30 min		Inlet temperature 55 °C
	[kW]	[l/h]	[kW]	[l/h]		[l]	[l/min]	[l]	[l/min]	
200	10,9	268	31,2	766	3,3	243	24,3	122	21,2	587
300	14,7	361	42,0	1032	4,2	273	27,3	155	23,3	724
400	18,5	454	58,8	1297	6,0	326	32,6	221	27,0	935
500	25,2	619	72,0	1769	9,1	393	39,3	335	31,7	1183
600	26,7	655	76,2	1873	10,6	437	43,7	388	34,9	1332

1 - Cold water heated from 10° up to 45° C

2 - Cold water heated from 10° up to 45° C; Inlet at 70°C; Cylinder temperature CW+50K

3 - Datas calculated on max. Performance; Cold water from 10° up to 45; cylinder temperature at 60°C

DIMENSIONS

1 COIL	KW	WW	PR1	PV1	Z	Tr1	Tr2	HZL2	Te	Ø D	H
ISSWP 800 L	237	1815	336	1716	1106	1106	1450	1106	1730	950	2090
ISSWP 1000 L	243	1820	342	1722	1132	1132	1490	1152	1736	990	2090

KEY

KW	Domestic cold water	Z	Recirculation fitting
WW	Domestic hot water	Tr1	Lower dry-well Ø ½"
PV1	Lower coil inlet	Tr2	Upper dry-well ½"
PR1	Lower coil outlet	HZL2	Immersion heater
PV2	Upper coil inlet	Te	Thermometer
PR2	Upper coil outlet	SF	Air vent

