



Free Standing 2 Double Wind

SERIES ISSWWP 400÷1000

ErP Energy Class

Up to **B**

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
- 2 Corrosion-proof magnesium anode for SERIES 400-500
- Electronic anode for SERIES 800-1000
- 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 400-500
- High density very thick polyurethane (PU) soft foam for the utmost energy efficiency for SERIES 800-1000
- Integration kits available with single and three-phase connection heating element
- **Perfect for heat pumps**
- **Lower pressure loss** with consequent savings in system of circulation of the heating fluid

WARRANTY:

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



ACCESSORIES PP. 88

TECHNICAL DATA	U.M.	ISSWWP 400	ISSWWP 500	ISSWWP 800 L	ISSWWP 1000 L
Capacity	l	390	480	804	905
Code	/	172488	172489	FU000044	FU000045
Heat exchange surface top	m ²	3,3	3,8	6,5	6,5
Heat exchange surface bot	m ²	1,5	1,4	2,4	2,9
Insulation thickness	mm	≥75	≥75	≥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	ErP	B	B	C	C
ErP Heat Loss Watt	W/h	73	77	127	142
Max. operating temperature	°C	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
Net weight	kg		171	317	340
Ø Frontal inspection hatch (FL)	mm	180	180	180	180
Hydraulic connections (KW-WW)	mm	1"	1" Rp	1" ½ IG	1" ½ IG
Exchanger fittings (PV-PR)	mm	1" ¼	1" ¼ Rp	1" ½ IG	1" ½ IG
Recirculation fitting (Z)	Rp	¾" / Rp	¾" / Rp	1"	1"
Heating element connection (HZL2)	mm	1" ½	1" ½	1" ½ IG	1" ½ IG
Dimensional values : A	mm	755	785X800		
Dimensional values : B	mm	768	825		
Dimensional values : C	mm	1755	1821		
Dimensional values : D	mm	155	169		
Dimensional values : E	mm	358	358		
Dimensional values : F	mm	-	-		
Dimensional values : G	mm	685	658		

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



TECHNICAL DATA	U.M.	ISSWWP 400	ISSWWP 500
Dimensional values : H	mm	785	758
Dimensional values : l	mm	853	810
Dimensional values : L	mm	-	-
Dimensional values : M	mm	928	873
Dimensional values : N	mm	1418	1465
Quote dimensionali : O	mm	-	-
Dimensional values : P	mm	1611	1658
Tilt height	mm	1870	1950

PERFORMANCE DATA

Upper coil	Continuous D.H.W. production calculated with the following temperature ¹				NL	Value as per DIN 4708 (NL data) ²				D.H.W. production in 60 min ³	
	50 °C		60 °C			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]		
400	11,3	278	32	795	1,5	180	18,0	54	17,2	430	
500	13,9	340	40	972	3,3	225	22,6	121	19,5	557	
800 L	-	-	25	619	-	-	-	-	-	-	
1000 L	-	-	34	826	-	-	-	-	-	-	

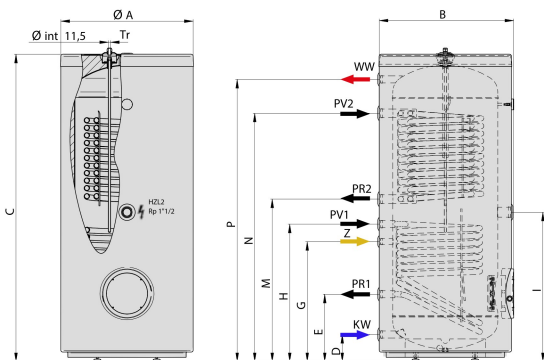
Lower coil	Continuous D.H.W. production calculated with the following temperature ¹						NL	Value as per DIN 4708 (NL data) ²				D.H.W. production in 60 min ³	
	50 °C		60 °C		70 °C			Max Performance 10 min		D.H.W. Performance after 30 min			Inlet temperature 70 °C
	[kW]	[l/h]	[kW]	[l/h]	[kW]	[l/h]		[l]	[l/min]	[l]	[l/min]		
400	5,5	134	15,6	383	27	670	4,2	252	25,2	153	21,3	1210	
500	6,3	155	18,0	442	31	774	4,8	291	29,1	177	24,6	1397	
800 L	-	-	34	826	53	1307	-	-	-	-	-	-	
1000 L	-	-	42	1032	67	1634	-	-	-	-	-	-	

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

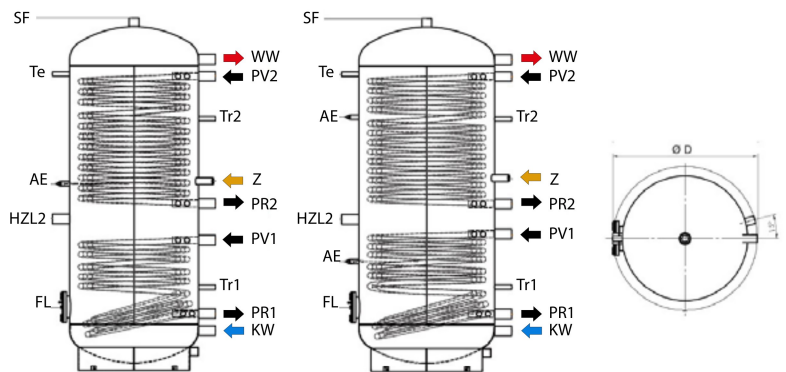
2 - Cold water heated from 10° up to 45° C; Inlet at 70°C; Cylinder temperature CW+50K

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

ISSWWP 400-500



ISSWWP 800-1000 L



DIMENSIONS

2 COILS	KW	WW	PR1	PV1	PR2	PV2	Z	Tr1	Tr2	HZL2	Te	Ø D	H
ISSWWP 800 L	237	1815	336	763	976	1716	1106	1106	1470	886	1730	950	2090
ISSWWP 1000 L	243	1820	342	807	982	1722	1132	1132	1476	892	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	FL	Inspection hatch Ø 180 mm

