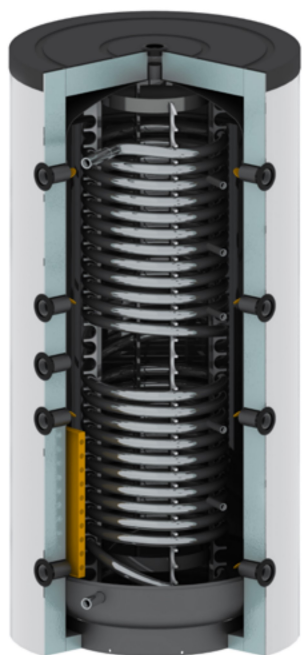




Pipe in Tank Solar



SERIE PTSW 500÷2000 L

Pipe In Tank Solar main feature is the ability to store energy from multiple heat sources, with operating temperature up to 95°C.

The production of hot instantaneous sanitary water is granted by a stainless steel coil: this system provides the maximum protection against the formation of bacteria.

- Raw carbon steel tank
- External soft plastic coating (PVC RAL 9010)
- 7 fittings 1" ½ to connect other heating sources
- Integrated solar coil
- 1" ½ connection for heating element
- High thermal insulation with polyurethane hard foam (PU) for SERIES 500 lt
- Corrugated Stainless steel AISI 316L coil for the instantaneous domestic hot water production
- Polyester fiber insulation 100 mm + external soft plastic coating (PVC RAL 9010) for SERIES 800-2000 lt

WARRANTY:

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

AVAILABLE ON REQUEST AVAILABLE ON REQUEST

TECHNICAL DATA	U.M.	PTSW 500 L	PTSW 800 L	PTSW 1000 L	PTSW 1500 L	PTSW 2000 L
Total working capacity	l	490	732	925	1515	2054
Code	/	FU000026	FU000027	FU000028	FU000079	FU000080
D.H.W. coil exchange surface	m ²	4,0	6,0	7,5	10,0	10,0
D.H.W. coil capacity	l	28,0	30,0	30,0	50,0	50,0
Anti-corrosion coil for D.H.W. production	[-]	Stainless steel AISI 316L EN 1.4404				
Heat exchange surface solar coil	m ²	1,8	2,4	3,0	3,6	4,2
Thermal insulation	[-]	Hard PU foam insulation shells (λ=0,024 W/mK)		Polyester fiber insulation 100 mm + PVC		
Insulation thickness	mm	≥50	≥100	≥100	≥100	≥100
ErP Energy Class		C	C	C	C	D
ErP Heat Loss Watt	W/h	92	117	144	170	204
Heat loss	kW/24h	2,50	3,10	3,38	4,10	4,44
Max. Operating temperature	°C	95	95	95	95	95
Max. Operating temperature (D.H.W. coil)	°C	95	95	95	95	95
Max. Operation temperature solar coil	°C	110	110	110	110	110
Max. Operating pressure ^{1/2}	MPa	0,3/0,45	0,3/0,45	0,3/0,45	0,3/0,45	0,3/0,45
Max. Operating pressure (D.H.W. coil) ^{1/2}	MPa	0,6/0,9	0,6/0,9	0,6/0,9	0,6/0,9	0,6/0,9
Max. Operation pressure solar coil ^{1/2}	MPa	1,0/1,5	1,0/1,5	1,0/1,5	1,0/1,5	1,0/1,5
Net weight (dry)	kg	128	169	202	272	366
Total height (incl. Insulation)	mm	1630	1760	2090	2200	2420
Ø Diameter (without Insulation)	mm	-	790	790	1000	1100
Ø Diameter (incl. Insulation)	mm	750	990	990	1200	1300
Heating element (max. length)	mm	500	500	500	1000	1100
Tilt height	mm	1794	1720	2069	2193	2431

Notes: ¹ Max. operating pressure, ² Max. pressure test according to EN 12897 P.4.4.1 - D.H.W. = Domestic hot water

TECHNICAL DATA	U.M.	AVAILABLE ON REQUEST		AVAILABLE ON REQUEST		
		PTSW 500 L	PTSW 800 L	PTSW 1000 L	PTSW 1500 L	PTSW 2000 L
Boiler Inlet connection (1)	IG / mm	1"½ / 1381	1"½ / 1426	1"½ / 1720	1"½ / 1750	1"½ / 2025
Vacant (2)	AG / mm	1"½ / 971	1"½ / 1026	1"½ / 1249	1"½ / 1285	1"½ / 1489
Vacant (3)	IG / mm	1"½ / 651	1"½ / 626	1"½ / 844	1"½ / 900	1"½ / 959
Outlet heating system (4)	IG / mm	1"½ / 211	1"½ / 256	1"½ / 300	1"½ / 350	1"½ / 325
Boiler Inlet connection high temp. (5)	IG / mm	1"½ / 1381	1"½ / 1426	1"½ / 1720	1"½ / 1750	1"½ / 2025
Boiler Inlet connection low temp. (6)	IG / mm	1"½ / 971	1"½ / 1026	1"½ / 1249	1"½ / 1285	1"½ / 1489
Heating return / To generator (7)	IG / mm	1"½ / 651	1"½ / 626	1"½ / 844	1"½ / 900	1"½ / 959
Heating return / To generator (8)	IG / mm	1"½ / 211	1"½ / 256	1"½ / 300	1"½ / 350	1"½ / 325
Heating element (9)	IG / mm	1"½ / 821	1"½ / 866	1"½ / 1040	1"½ / 1128	1"½ / 1214
Inlet solar coil (AS1)	IG / mm	1" / 721	1" / 801	1" / 970	1" / 1000	1" / 1105
Outlet solar coil (RS1)	IG / mm	1" / 211	1" / 256	1" / 300	1" / 1240	1" / 1475
Air Vent (S)	AG / mm	1"½ / 1621	1"½ / 1685	1"½ / 2040	1"½ / 2149	1"½ / 2374
Dry-well connection (SD1)	IG / mm	½" / 1381	½" / 1426	½" / 1720	½" / 1750	½" / 2025
Dry-well connection (SD2)	IG / mm	½" / 1190	½" / 1226	½" / 1479	½" / 1525	½" / 1780
Dry-well connection (SD3)	IG / mm	½" / 971	½" / 1026	½" / 1249	½" / 1285	½" / 1489
Dry-well connection (SD4)	IG / mm	½" / 651	½" / 626	½" / 844	½" / 900	½" / 959
Dry-well connection (SD5)	IG / mm	½" / 420	½" / 441	½" / 567	½" / 610	½" / 645
Domestic cold water inlet (AF)	IG / mm	1" / 136	1" / 181	1" / 220	1" / 261	1" / 235
Domestic hot water inlet (AC)	IG / mm	1" / 1455	1" / 1500	1" / 1800	1" / 1839	1" / 2114

Notes : AG = Male fitting, IG = Female fitting

