

# **DATA SHEET**

## **PSWF 1500 N+Thermal Store**



Main Features	
Application	Storage and subsequent distribution of thermal energy from solid-fuel boilers, heat pumps or other heat sources; the tank is fitted with a solar heat exchanger and a flanged opening that permits installation of a DHW tube heat exchanger or connecting a solar thermal system
Working fluid	water, water-glycol mixture (max. 1:1), water-glycerine mixture (max. 2:1), thermal oil
Storage tank code	15234
Insulation code	19350

Energy Efficiency Data (as per EC Regulation No. 812/2013)		
	valid for a tank with insulation	
Energy efficiency class	neudává se	
Static loss	167 W	
Storage volume	1476	

Technical data	
Total storage tank volume	1498
Fluid volume in tank	1476
Heat exchanger volume	22.0
Heat exchanger surface area	4.0 m²
Max. working temperature in storage tank	95 °C
Max. working temperature in heat exchanger	110 °C
Max. working pressure in storage tank	3 bar
Max. working pressure in heat exchanger	10 bar
Storage tank diameter	1100 mm
Storage tank diameter with insulation	1300 mm
Storage tank overall height	1885 mm
Tipping height without insulation	1965 mm
Storage tank perimeter insulation thickness	100 mm
Storage tank bottom insulation thickness	50 mm
Storage tank top insulation thickness	100 mm
Empty weight without insulation	265 kg

Materials	
Storage tank material	S235JR
Storage tank perimeter insulation	fleece
Storage tank outer surface insulation	hard polystyrene
Top and bottom storage tank insulation	fleece
Solar heat exchager	S235JR+N

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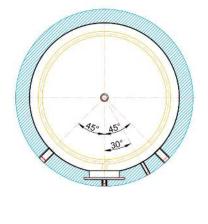
Dimensions

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Accessories	
Electrical heating element	ETT-A, C, D, F, P, M
Heating element max. length	955 mm
Blind flange	code 6230
Blind flange for heat exchanger	code 6231 / 6232
Tube heat exchanger	max. area 4.5 m²

#### Ø1300 Ø1100 H1 H1 Ø1300 Ø1100 H1 Ø1300 Ø1100 H1 Ø1300 Ø1100 Ø1100



TAPPINGS				
pos.	description	connection	height [mm]	
Heat sources				
B1	Supply from heat source	G 6/4" F	1475	
B2	Return to heat source	G 6/4" F	335	
Heating	system			
H1	Supply to heat sink	G 6/4" F	1885	
H2	Return from heat sink	G 6/4" F	335	
Control and safety				
C1	Temperature sensor	G 1/2" F	1490	
C2	Temperature sensor	G 1/2" F	735	
C3	Temperature sensor	G 1/2" F	1175	
Т	Thermometer	G 1/2" F	1270	
Р	Safety valve	G 1/2" F	550	
Univers	al inlet/outlet			
U1	Universal inlet/outlet	G 6/4" F	1475	
U2	Universal inlet/outlet	G 6/4" F	535	
U3	Universal inlet/outlet	G 6/4" F	1095	
U4	Universal inlet/outlet	G 6/4" F	715	
U5	Universal inlet/outlet	G 6/4" F	1255	
Solar thermal system				
X1	Inlet from solar thermal collector	G 1" F	940	
X2	Return to solar thermal collector	G 1" F	335	
Flanges				
L1	Upper flange	12 x M12	1375	

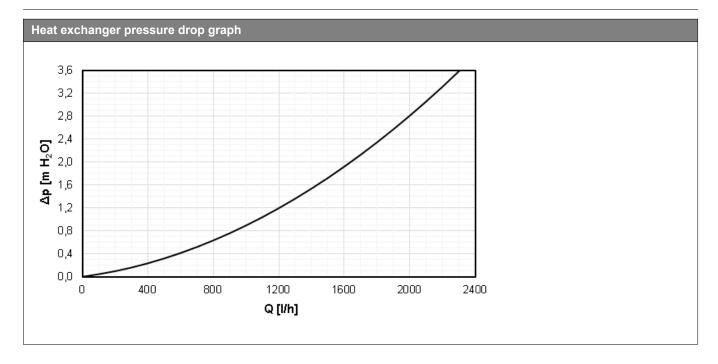
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