

DATA SHEET

PSWF 1000 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	15232
	Insulation code	19325

Energy Efficiency Data (as per EC Regulation No. 812/2013)

valid for a tank with insulation	
Energy efficiency class	neudává se
Static loss	140 W
Storage volume	912 l

Technical data

Total storage tank volume	930 l
Fluid volume in tank	912 l
Heat exchanger volume	18.0 l
Heat exchanger surface area	3.2 m ²
Max. working temperature in storage tank	95 °C
Max. working temperature in heat exchanger	110 °C
Max. working pressure in storage tank	4 bar
Max. working pressure in heat exchanger	10 bar
Storage tank diameter	800 mm
Storage tank diameter with insulation	1000 mm
Storage tank overall height	2080 mm
Tipping height without insulation	2120 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	180 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 exchanger	S235JR+N

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Accessories			
Electrical heating element			ETT-A, C, D, F, P, M
Heating element max. length			755 mm
Blind flange			code 6230
Blind flange for heat exchanger			code 6231 / 6232
Tube heat exchanger			max. area 4.5 m ²
Dimensions			
	TAPPINGS		
	pos.	description	connection height [mm]
Heat sources			
B1	Supply from heat source	G 6/4" F	1690
B2	Return to heat source	G 6/4" F	300
Heating system			
H1	Supply to heat sink	G 6/4" F	2080
H2	Return from heat sink	G 6/4" F	300
Control and safety			
C1	Temperature sensor	G 1/2" F	1705
C2	Temperature sensor	G 1/2" F	740
C3	Temperature sensor	G 1/2" F	1345
T	Thermometer	G 1/2" F	1475
P	Safety valve	G 1/2" F	525
Universal inlet/outlet			
U1	Universal inlet/outlet	G 6/4" F	1690
U2	Universal inlet/outlet	G 6/4" F	510
U3	Universal inlet/outlet	G 6/4" F	1230
U4	Universal inlet/outlet	G 6/4" F	760
U5	Universal inlet/outlet	G 6/4" F	1460
Solar thermal system			
X1	Inlet from solar thermal collector	G 1" F	950
X2	Return to solar thermal collector	G 1" F	300
Flanges			
L1	Upper flange	12 x M12	1590

PSWF 1000 N+ Thermal Store**Heat exchanger pressure drop graph**