

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
	Thermal store code	15232
	Insulation code	19325

Energy Efficiency Data (as per EC Regulation No. 812/2013)	
	valid for a thermal store with insulation
Energy efficiency class	N/A
Static loss	140 W
Storage volume	912 l

Technical data	
Total thermal store volume	930 l
Fluid volume in thermal store	912 l
Fluid volume in heat exchanger	18.0 l
Heat exchanger surface area	3.2 m ²
Max. working temperature in thermal store	95 °C
Min. working temperature in thermal store	7 °C
Max. working temperature in heat exchanger	110 °C
Max. working pressure in thermal store	4 bar
Max. working pressure in heat exchanger	10 bar
Thermal store diameter	800 mm
Thermal store diameter with insulation	1000 mm
Thermal store overall height	2080 mm
Tipping height without insulation	2120 mm
Thermal store perimeter insulation thickness	100 mm
Thermal store bottom insulation thickness	50 mm
Thermal store top insulation thickness	100 mm
Empty weight without insulation	159 kg

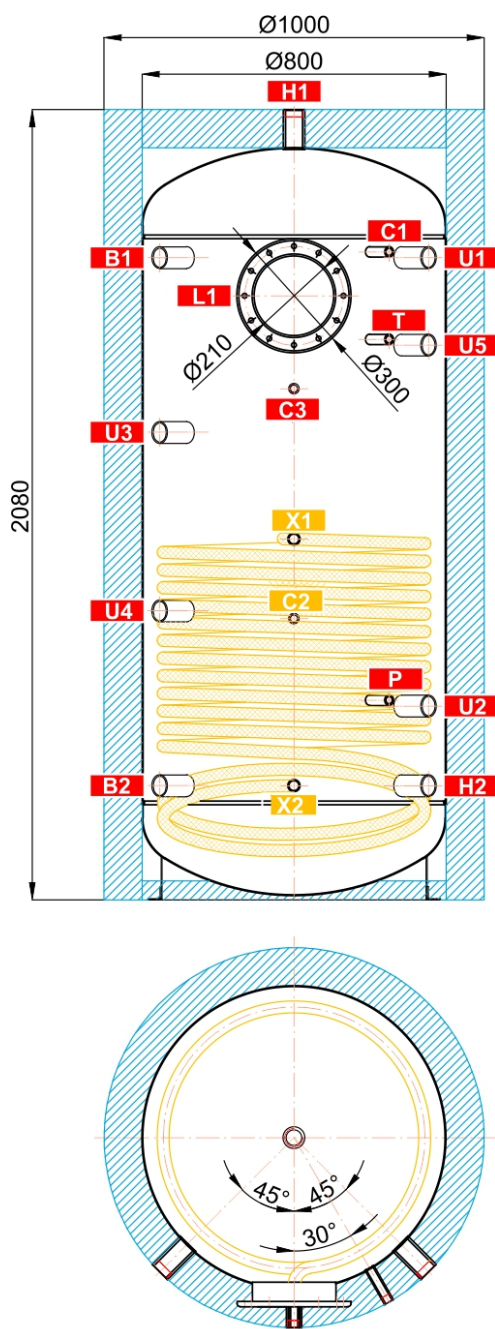
Materials	
Thermal store material	S235JR
Thermal store perimeter insulation	fleece
Thermal store outer surface insulation	hard polystyrene
Top and bottom thermal store insulation	fleece
Solar heat exchanger	S235JR+N

Insulation thermal conductivity $\lambda \leq 0.037$ W/mK, thermal resistance (short/long term) 150/100 °C, fire class E.

Accessories	
Electric heating element	ETT-A, C, D2, M, R, U, F2, P, S
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

PSWF 1000 N+ Thermal Store

Dimensions



CONNECTIONS

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	Flow to heating system	G 6/4" F	2080
H2	Return from heating system	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	Supply from solar collectors	G 1" F	950
X2	Return to solar collectors	G 1" F	300
Flanges			
L1	Upper flange	12 x M12	1590

PSWF 1000 N+ Thermal Store

Heat exchanger pressure drop graph

