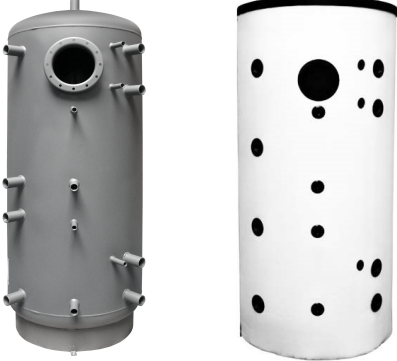


DATA SHEET

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

PSWF 1000 N+ Thermal Store

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																																																																																															
	<table border="1"> <thead> <tr> <th>pos.</th> <th>description</th> <th>connection</th> <th>height [mm]</th> </tr> </thead> <tbody> <tr> <td colspan="4">Heat sources</td> </tr> <tr> <td>B1</td> <td>Supply from heat source</td> <td>G 6/4" F</td> <td>1690</td> </tr> <tr> <td>B2</td> <td>Return to heat source</td> <td>G 6/4" F</td> <td>300</td> </tr> <tr> <td colspan="4">Heating system</td> </tr> <tr> <td>H1</td> <td>Supply to heat sink</td> <td>G 6/4" F</td> <td>2080</td> </tr> <tr> <td>H2</td> <td>Return from heat sink</td> <td>G 6/4" F</td> <td>300</td> </tr> <tr> <td colspan="4">Control and safety</td> </tr> <tr> <td>C1</td> <td>Temperature sensor</td> <td>G 1/2" F</td> <td>1705</td> </tr> <tr> <td>C2</td> <td>Temperature sensor</td> <td>G 1/2" F</td> <td>740</td> </tr> <tr> <td>C3</td> <td>Temperature sensor</td> <td>G 1/2" F</td> <td>1345</td> </tr> <tr> <td>T</td> <td>Thermometer</td> <td>G 1/2" F</td> <td>1475</td> </tr> <tr> <td>P</td> <td>Safety valve</td> <td>G 1/2" F</td> <td>525</td> </tr> <tr> <td colspan="4">Universal inlet/outlet</td> </tr> <tr> <td>U1</td> <td>Universal inlet/outlet</td> <td>G 6/4" F</td> <td>1690</td> </tr> <tr> <td>U2</td> <td>Universal inlet/outlet</td> <td>G 6/4" F</td> <td>510</td> </tr> <tr> <td>U3</td> <td>Universal inlet/outlet</td> <td>G 6/4" F</td> <td>1230</td> </tr> <tr> <td>U4</td> <td>Universal inlet/outlet</td> <td>G 6/4" F</td> <td>760</td> </tr> <tr> <td>U5</td> <td>Universal inlet/outlet</td> <td>G 6/4" F</td> <td>1460</td> </tr> <tr> <td colspan="4">Solar thermal system</td> </tr> <tr> <td>X1</td> <td>Inlet from solar thermal collector</td> <td>G 1" F</td> <td>950</td> </tr> <tr> <td>X2</td> <td>Return to solar thermal collector</td> <td>G 1" F</td> <td>300</td> </tr> <tr> <td colspan="4">Flanges</td> </tr> <tr> <td>L1</td> <td>Upper flange</td> <td>12 x M12</td> <td>1590</td> </tr> </tbody> </table>	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
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																																																																																													

DATA SHEET

PSWF 1000 N+ Thermal Store

Heat exchanger pressure drop graph

