


DATA SHEET
PSWF 2000 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	15236
	Insulation code	19355

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

	valid for a tank with insulation
Energy efficiency class	neudává se
Static loss	185 W
Storage volume	1971 l

Technical data

Total storage tank volume	1996 l
Fluid volume in tank	1971 l
Heat exchanger volume	25.0 l
Heat exchanger surface area	4.5 m ²
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	1250 mm
Storage tank diameter with insulation	1450 mm
Storage tank overall height	1955 mm
Tipping height without insulation	2050 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	311 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	955 mm
Blind flange	code 6230
Blind flange for heat exchanger	code 6231 / 6232
Tube heat exchanger	max. area 4.5 m ²

Dimensions																																																																																																	
	<p>TAPPINGS</p> <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>1510</td> </tr> <tr> <td>B2</td> <td>Return to heat source</td> <td>G 6/4" F</td> <td>370</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>1955</td> </tr> <tr> <td>H2</td> <td>Return from heat sink</td> <td>G 6/4" F</td> <td>370</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>1525</td> </tr> <tr> <td>C2</td> <td>Temperature sensor</td> <td>G 1/2" F</td> <td>760</td> </tr> <tr> <td>C3</td> <td>Temperature sensor</td> <td>G 1/2" F</td> <td>1210</td> </tr> <tr> <td>T</td> <td>Thermometer</td> <td>G 1/2" F</td> <td>1305</td> </tr> <tr> <td>P</td> <td>Safety valve</td> <td>G 1/2" F</td> <td>585</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>1510</td> </tr> <tr> <td>U2</td> <td>Universal inlet/outlet</td> <td>G 6/4" F</td> <td>570</td> </tr> <tr> <td>U3</td> <td>Universal inlet/outlet</td> <td>G 6/4" F</td> <td>1130</td> </tr> <tr> <td>U4</td> <td>Universal inlet/outlet</td> <td>G 6/4" F</td> <td>750</td> </tr> <tr> <td>U5</td> <td>Universal inlet/outlet</td> <td>G 6/4" F</td> <td>1290</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>955</td> </tr> <tr> <td>X2</td> <td>Return to solar thermal collector</td> <td>G 1" F</td> <td>370</td> </tr> <tr> <td colspan="4">Flanges</td> </tr> <tr> <td>L1</td> <td>Upper flange</td> <td>12 x M12</td> <td>1410</td> </tr> </tbody> </table>	pos.	description	connection	height [mm]	Heat sources				B1	Supply from heat source	G 6/4" F	1510	B2	Return to heat source	G 6/4" F	370	Heating system				H1	Supply to heat sink	G 6/4" F	1955	H2	Return from heat sink	G 6/4" F	370	Control and safety				C1	Temperature sensor	G 1/2" F	1525	C2	Temperature sensor	G 1/2" F	760	C3	Temperature sensor	G 1/2" F	1210	T	Thermometer	G 1/2" F	1305	P	Safety valve	G 1/2" F	585	Universal inlet/outlet				U1	Universal inlet/outlet	G 6/4" F	1510	U2	Universal inlet/outlet	G 6/4" F	570	U3	Universal inlet/outlet	G 6/4" F	1130	U4	Universal inlet/outlet	G 6/4" F	750	U5	Universal inlet/outlet	G 6/4" F	1290	Solar thermal system				X1	Inlet from solar thermal collector	G 1" F	955	X2	Return to solar thermal collector	G 1" F	370	Flanges				L1	Upper flange	12 x M12	1410
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Heat exchanger pressure drop graph

