


**DATA SHEET**
**PS2F 3000 N25 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 2 flanged openings that can permit installation of a DHW tube heat exchanger or connecting a solar thermal system. It is fitted with G 2.5" F threaded tappings.
	Working fluid	water, water-glycol mixture (max. 1:1), water-glycerine mixture (max. 2:1), thermal oil
	Storage tank code	14460
	Insulation code	19359

Energy Efficiency Data (as per EC Regulation No. 812/2013)	
	valid for a tank with insulation
Energy efficiency class	N/A
Static loss	264 W
Storage volume	3027 l

Technical data	
Total storage tank volume	3027 l
Max. working temperature in storage tank	93 °C
Max. working pressure in storage tank	3 bar
Storage tank diameter	1500 mm
Storage tank diameter with insulation	1700 mm
Storage tank overall height	2065 mm
Tipping height without insulation	2189 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	315 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

**PS2F 3000 N25 Thermal Store**

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 <sup>2</sup>

*For the electric heater, a G 2.5" M x G 6/4" F reducer must be used*

Dimensions																																																																																								
	<b>TAPPINGS</b>																																																																																							
	<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"><b>Heat sources</b></td> </tr> <tr> <td><b>B1</b></td> <td>Supply from heat source</td> <td>G 2.5" F</td> <td>1545</td> </tr> <tr> <td><b>B2</b></td> <td>Return to heat source</td> <td>G 2.5" F</td> <td>445</td> </tr> <tr> <td colspan="4"><b>Heating system</b></td> </tr> <tr> <td><b>H1</b></td> <td>Supply to heat sink</td> <td>G 2.5" F</td> <td>2065</td> </tr> <tr> <td><b>H2</b></td> <td>Return from heat sink</td> <td>G 2.5" F</td> <td>445</td> </tr> <tr> <td colspan="4"><b>Control and safety</b></td> </tr> <tr> <td><b>C1</b></td> <td>Temperature sensor</td> <td>G 1/2" F</td> <td>1570</td> </tr> <tr> <td><b>C2</b></td> <td>Temperature sensor</td> <td>G 1/2" F</td> <td>670</td> </tr> <tr> <td><b>C3</b></td> <td>Temperature sensor</td> <td>G 1/2" F</td> <td>1370</td> </tr> <tr> <td><b>T</b></td> <td>Thermometer</td> <td>G 1/2" F</td> <td>1265</td> </tr> <tr> <td><b>P</b></td> <td>Safety valve</td> <td>G 1/2" F</td> <td>715</td> </tr> <tr> <td colspan="4"><b>Universal inlet/outlet</b></td> </tr> <tr> <td><b>U1</b></td> <td>Universal inlet/outlet</td> <td>G 2.5" F</td> <td>1545</td> </tr> <tr> <td><b>U2</b></td> <td>Universal inlet/outlet</td> <td>G 2.5" F</td> <td>645</td> </tr> <tr> <td><b>U3</b></td> <td>Universal inlet/outlet</td> <td>G 2.5" F</td> <td>1185</td> </tr> <tr> <td><b>U4</b></td> <td>Universal inlet/outlet</td> <td>G 2.5" F</td> <td>805</td> </tr> <tr> <td><b>U5</b></td> <td>Universal inlet/outlet</td> <td>G 2.5" F</td> <td>1345</td> </tr> <tr> <td colspan="4"><b>Flanges</b></td> </tr> <tr> <td><b>L1</b></td> <td>Upper flange</td> <td>12 x M12</td> <td>1465</td> </tr> <tr> <td><b>L2</b></td> <td>Lower flange</td> <td>12 x M12</td> <td>535</td> </tr> </tbody> </table>	pos.	description	connection	height [mm]	<b>Heat sources</b>				<b>B1</b>	Supply from heat source	G 2.5" F	1545	<b>B2</b>	Return to heat source	G 2.5" F	445	<b>Heating system</b>				<b>H1</b>	Supply to heat sink	G 2.5" F	2065	<b>H2</b>	Return from heat sink	G 2.5" F	445	<b>Control and safety</b>				<b>C1</b>	Temperature sensor	G 1/2" F	1570	<b>C2</b>	Temperature sensor	G 1/2" F	670	<b>C3</b>	Temperature sensor	G 1/2" F	1370	<b>T</b>	Thermometer	G 1/2" F	1265	<b>P</b>	Safety valve	G 1/2" F	715	<b>Universal inlet/outlet</b>				<b>U1</b>	Universal inlet/outlet	G 2.5" F	1545	<b>U2</b>	Universal inlet/outlet	G 2.5" F	645	<b>U3</b>	Universal inlet/outlet	G 2.5" F	1185	<b>U4</b>	Universal inlet/outlet	G 2.5" F	805	<b>U5</b>	Universal inlet/outlet	G 2.5" F	1345	<b>Flanges</b>				<b>L1</b>	Upper flange	12 x M12	1465	<b>L2</b>	Lower flange	12 x M12
pos.	description	connection	height [mm]																																																																																					
<b>Heat sources</b>																																																																																								
<b>B1</b>	Supply from heat source	G 2.5" F	1545																																																																																					
<b>B2</b>	Return to heat source	G 2.5" F	445																																																																																					
<b>Heating system</b>																																																																																								
<b>H1</b>	Supply to heat sink	G 2.5" F	2065																																																																																					
<b>H2</b>	Return from heat sink	G 2.5" F	445																																																																																					
<b>Control and safety</b>																																																																																								
<b>C1</b>	Temperature sensor	G 1/2" F	1570																																																																																					
<b>C2</b>	Temperature sensor	G 1/2" F	670																																																																																					
<b>C3</b>	Temperature sensor	G 1/2" F	1370																																																																																					
<b>T</b>	Thermometer	G 1/2" F	1265																																																																																					
<b>P</b>	Safety valve	G 1/2" F	715																																																																																					
<b>Universal inlet/outlet</b>																																																																																								
<b>U1</b>	Universal inlet/outlet	G 2.5" F	1545																																																																																					
<b>U2</b>	Universal inlet/outlet	G 2.5" F	645																																																																																					
<b>U3</b>	Universal inlet/outlet	G 2.5" F	1185																																																																																					
<b>U4</b>	Universal inlet/outlet	G 2.5" F	805																																																																																					
<b>U5</b>	Universal inlet/outlet	G 2.5" F	1345																																																																																					
<b>Flanges</b>																																																																																								
<b>L1</b>	Upper flange	12 x M12	1465																																																																																					
<b>L2</b>	Lower flange	12 x M12	535																																																																																					