

**PS2F 1000 N+ Thermal Store**

		<b>Main Features</b>
		<p><b>Application</b></p> <p>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.</p>
		<p><b>Working fluid</b> water, water-glycol mixture (max. 1:1), water-glycerine mixture (max. 2:1), thermal oil</p>
		<p><b>Thermal store code</b> 15221</p>
		<p><b>Insulation code</b> 19340</p>

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

	valid for a thermal store with insulation
<b>Energy efficiency class</b>	N/A
<b>Static loss</b>	141 W
<b>Storage volume</b>	932 l

**Technical data**

Total thermal store volume	932 l
Max. working temperature in thermal store	95 °C
Min. working temperature in thermal store	7 °C
Max. working pressure in thermal store	4 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	114 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

*Insulation thermal conductivity  $\lambda \leq 0.037 \text{ W/mK}$ , 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	815 mm
Blind flange	code 6230
Blind flange for heat exchanger	code 6231 / 6232
Tube heat exchanger	max. area - 4,5 m <sup>2</sup>

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Dimensions			
			CONNECTIONS
pos.	description	connection	height [mm]
<b>Heat sources</b>			
<b>B1</b>	Supply from heat source	G 6/4" F	1690
<b>B2</b>	Return to heat source	G 6/4" F	300
<b>Heating system</b>			
<b>H1</b>	Flow to heating system	G 6/4" F	2080
<b>H2</b>	Return from heating system	G 6/4" F	300
<b>Control and safety</b>			
<b>C1</b>	Temperature sensor	G 1/2" F	1705
<b>C2</b>	Temperature sensor	G 1/2" F	635
<b>C3</b>	Temperature sensor	G 1/2" F	1345
<b>T</b>	Thermometer	G 1/2" F	1475
<b>P</b>	Safety valve	G 1/2" F	525
<b>Universal inlet/outlet</b>			
<b>U1</b>	Universal inlet/outlet	G 6/4" F	1690
<b>U2</b>	Universal inlet/outlet	G 6/4" F	510
<b>U3</b>	Universal inlet/outlet	G 6/4" F	1230
<b>U4</b>	Universal inlet/outlet	G 6/4" F	760
<b>U5</b>	Universal inlet/outlet	G 6/4" F	1460
<b>Flanges</b>			
<b>L1</b>	Upper flange	12 x M12	1590
<b>L2</b>	Lower flange	12 x M12	410