

**PSWF 500 N+ Thermal Store**

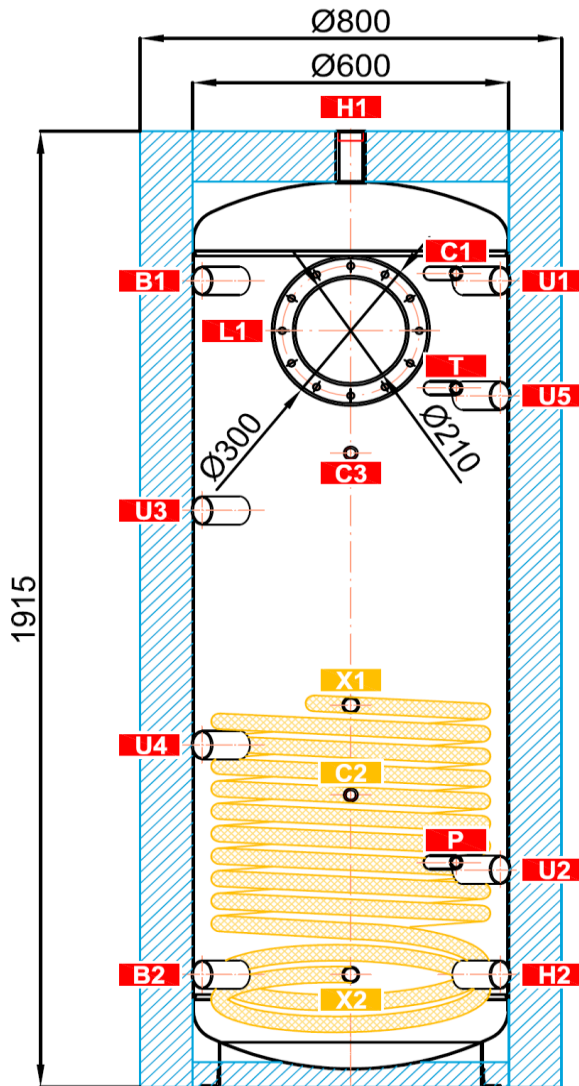


Main features	
Application	storage and subsequent distribution of thermal energy from solid-fuel boilers, heat pumps or other heat sources; the tank is fitted with a solar heat exchanger and a flanged opening that permits installation of a DHW tube heat exchanger or connecting a solar thermal system
Description	welded steel tank
Working fluid	water, water-glycol mixture (max. 1:1), water-glycerine mixture (max. 2:1), thermal oil
Code	
Thermal Store	<b>14 735</b>
Insulation	<b>16 367</b>
Energy Efficiency Data (as per EC Regulation No. 812/2013)	
	<b>PSWF 500 N+ with insulation</b>
Energy efficiency class	C
Standing loss	109 W
Storage volume	461 l
Technical Data	
Total tank volume	472 l
Fluid volume in tank	461 l
Fluid volume in heat exchanger	11 l
Heat exchanger surface area	2,0 m <sup>2</sup>
Max. working temperature in Thermal Store	95 °C
Max. working temperature in HE	110 °C
Max. working pressure in Thermal Store	4 bar
Max. working pressure in HE	10 bar
Materials	
Tank material	S235JR
Solar heat exchanger material	S235JR+N
Tank perimeter insulation	fleece
Tank perimeter insulation's outer surface	PU leather
Top and bottom tank insulation	fleece
Dimensions, Tipping height, Insulation thickness, Weight	
Tank diameter	600 mm
Tank diameter with insulation	800 mm
Tank overall height	1915 mm
Tipping height without insulation	1950 mm
Tank perimeter insulation thickness	100 mm
Bottom insulation thickness	50 mm
Top insulation thickness	120 mm
Empty weight without insulation	118 kg
Accessories	
El. heating element (models)	ETT-A,C, D, F, G, L, M
Heating elem. max. length / output	585 mm / 7,5 kW
Blind flange	code 6230
Flange for heat exchanger	code 6 231 / 6 232
Tube heat exchanger	max surface area 3,15 m <sup>2</sup>

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**Dimensions**

Tipping height without insulation 1950 mm.



**TAPPINGS**

pos.	connection	height [mm]
<b>Heat sources</b>		
B1	G 6/4" F	1615
B2	G 6/4" F	225
<b>Heating system</b>		
H1	G 6/4" F	1915
H2	G 6/4" F	225
<b>Control and safety</b>		
C1	G 1/2" F	1630
C2	G 1/2" F	585
C3	G 1/2" F	1400
T	G 1/2" F	1270
P	G 1/2" F	450
<b>Universal inlet/outlet</b>		
U1	G 6/4" F	1615
U2	G 6/4" F	435
U3	G 6/4" F	1155
U4	G 6/4" F	685
U5	G 6/4" F	1385
<b>Solar thermal systems</b>		
X1	G 1" F	765
X2	G 1" F	225

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Heat exchanger pressure drop graph

