

PS2F 5000 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
	Thermal store code	14466
	Insulation code	19360

Energy Efficiency Data (as per EC Regulation No. 812/2013)	
	valid for a thermal store with insulation
Energy efficiency class	N/A
Static loss	336 W
Storage volume	4994 l

Technical data	
Total thermal store volume	4994 l
Max. working temperature in thermal store	95 °C
Max. working pressure in thermal store	3 bar
Thermal store diameter	1600 mm
Thermal store diameter with insulation	1800 mm
Thermal store overall height	2855 mm
Tipping height without insulation	2970 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	491 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

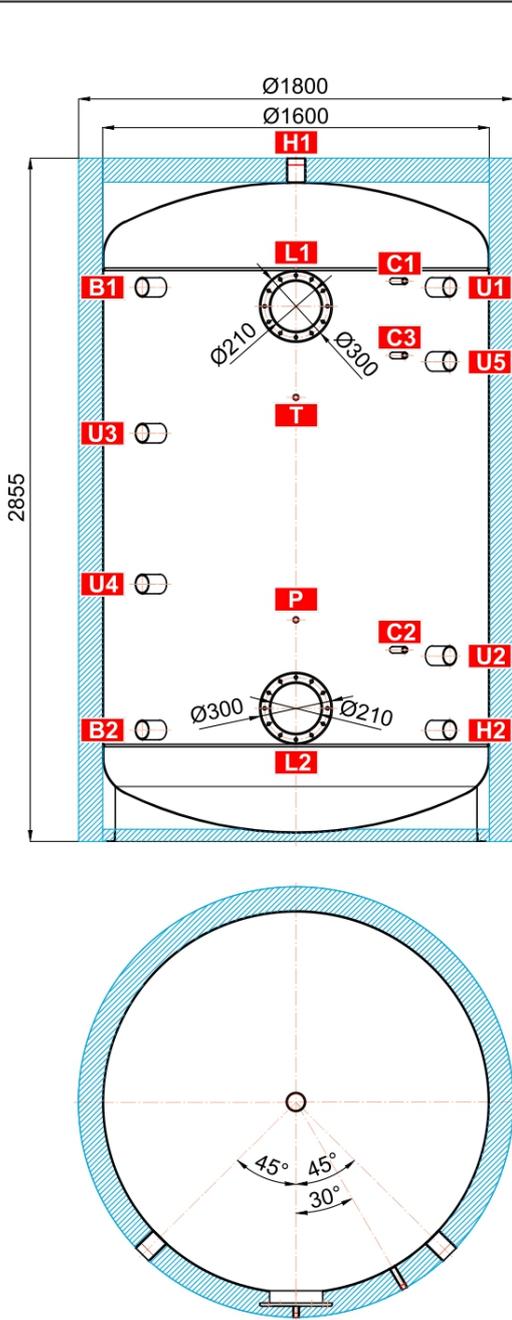
Insulation thermal conductivity $\lambda \leq 0.037$ W/mK, thermal resistance (short/long term) 150/100 °C, fire class E.

Accessories	
Electric heating element	ETT-A, C, D2, M, R, U, F2, P, S
Heating element max. length	955 mm
Blind flange	code 6230
Blind flange for heat exchanger	code 6231 / 6232
Tube heat exchanger	max. area - 4,5 m ²

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

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Dimensions



CONNECTIONS

pos.	description	connection	height [mm]
Heat sources			
B1	Supply from heat source	G 2,5" F	2315
B2	Return to heat source	G 2,5" F	465
Heating system			
H1	Flow to heating system	G 2,5" F	2855
H2	Return from heating system	G 2,5" F	465
Control and safety			
C1	Temperature sensor	G 1/2" F	2340
C2	Temperature sensor	G 1/2" F	800
C3	Temperature sensor	G 1/2" F	2030
T	Thermometer	G 1/2" F	1855
P	Safety valve	G 1/2" F	925
Universal inlet/outlet			
U1	Universal inlet/outlet	G 2,5" F	2315
U2	Universal inlet/outlet	G 2,5" F	775
U3	Universal inlet/outlet	G 2,5" F	1705
U4	Universal inlet/outlet	G 2,5" F	1075
U5	Universal inlet/outlet	G 2,5" F	2005
Flanges			
L1	Upper flange	12 x M12	2235
L2	Lower flange	12 x M12	555