

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
	Thermal store code	14460
	Insulation code	19359

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

Technical data	
Total thermal store volume	3027 l
Max. working temperature in thermal store	95 °C
Max. working pressure in thermal store	3 bar
Thermal store diameter	1500 mm
Thermal store diameter with insulation	1700 mm
Thermal store overall height	2065 mm
Tipping height without insulation	2189 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	315 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

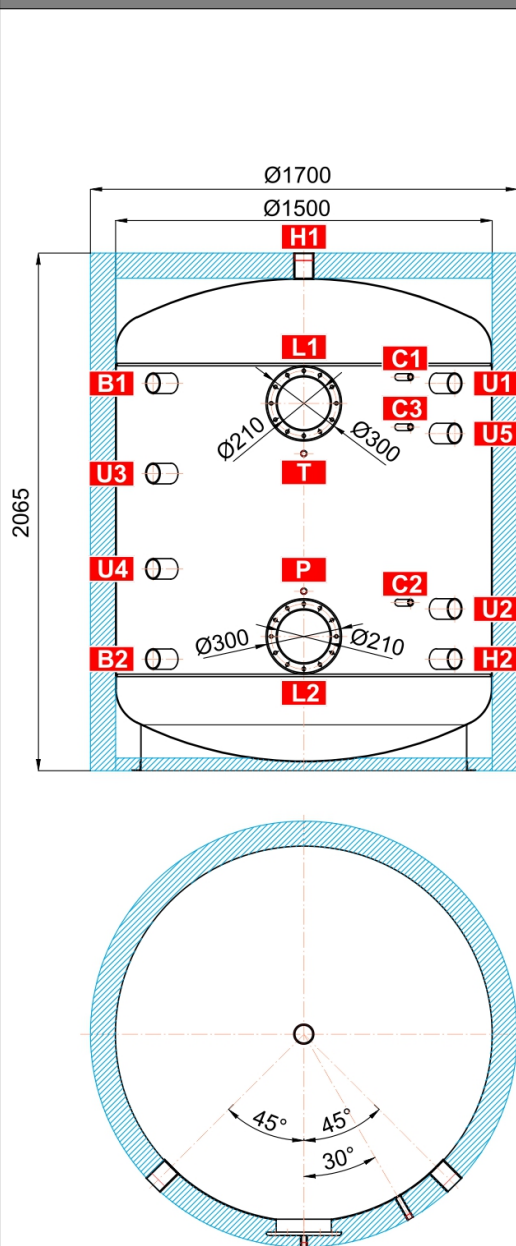
Insulation thermal conductivity $\lambda \leq 0.037 \text{ W/mK}$, thermal resistance (short/long term) 150/100 °C, fire class E.

Accessories	
Electric heating element	ETT-A, C, D2, M, R, U, F2, P, S
Heating element max. length	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	1545
B2	Return to heat source	G 2,5" F	445
Heating system			
H1	Flow to heating system	G 2,5" F	2065
H2	Return from heating system	G 2,5" F	445
Control and safety			
C1	Temperature sensor	G 1/2" F	1570
C2	Temperature sensor	G 1/2" F	670
C3	Temperature sensor	G 1/2" F	1370
T	Thermometer	G 1/2" F	1265
P	Safety valve	G 1/2" F	715
Universal inlet/outlet			
U1	Universal inlet/outlet	G 2,5" F	1545
U2	Universal inlet/outlet	G 2,5" F	645
U3	Universal inlet/outlet	G 2,5" F	1185
U4	Universal inlet/outlet	G 2,5" F	805
U5	Universal inlet/outlet	G 2,5" F	1345
Flanges			
L1	Upper flange	12 x M12	1465
L2	Lower flange	12 x M12	535