

PS2F 4000 N25 Thermal Store

		Main Features
		<p>Application</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. It is fitted with G 2.5" F threaded tappings.</p>
		<p>Working fluid</p> <p>water, water-glycol mixture (max. 1:1), water-glycerine mixture (max. 2:1), thermal oil</p>
		<p>Thermal store code 14463</p>
		<p>Insulation code 19356</p>

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

	valid for a thermal store with insulation
Energy efficiency class	N/A
Static loss	306 W
Storage volume	3996 l

Technical data

Total thermal store volume	3996 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	2355 mm
Tipping height without insulation	2490 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	429 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 λ ≤ 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	1815
B2	Return to heat source	G 2,5" F	465
Heating system			
H1	Flow to heating system	G 2,5" F	2355
H2	Return from heating system	G 2,5" F	465
Control and safety			
C1	Temperature sensor	G 1/2" F	1840
C2	Temperature sensor	G 1/2" F	700
C3	Temperature sensor	G 1/2" F	1630
T	Thermometer	G 1/2" F	1490
P	Safety valve	G 1/2" F	780
Universal inlet/outlet			
U1	Universal inlet/outlet	G 2,5" F	1815
U2	Universal inlet/outlet	G 2,5" F	675
U3	Universal inlet/outlet	G 2,5" F	1375
U4	Universal inlet/outlet	G 2,5" F	905
U5	Universal inlet/outlet	G 2,5" F	1605
Flanges			
L1	Upper flange	12 x M12	1735
L2	Lower flange	12 x M12	555