


DATA SHEET
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
	Storage tank code	14466
	Insulation code	19360

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

Technical data	
Total storage tank volume	4994 l
Max. working temperature in storage tank	95 °C
Max. working pressure in storage tank	3 bar
Storage tank diameter	1600 mm
Storage tank diameter with insulation	1800 mm
Storage tank overall height	2855 mm
Tipping height without insulation	2970 mm
Storage tank perimeter insulation thickness	100 mm
Storage tank bottom insulation thickness	50 mm
Storage tank top insulation thickness	100 mm
Empty weight without insulation	491 kg

Materials	
Storage tank material	S235JR
Storage tank perimeter insulation	fleece
Storage tank outer surface insulation	hard polystyrene
Top and bottom storage tank insulation	fleece

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Accessories	
Electrical heating element	ETT-A, C, D, F, P, M
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

Dimensions		TAPPINGS			
		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	Supply to heat sink	G 2.5" F	2855
		H2	Return from heat sink	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