


DATA SHEET
PS2F 300 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
	Working fluid	water, water-glycol mixture (max. 1:1), water-glycerine mixture (max. 2:1), thermal oil
	Storage tank code	14726
	Insulation code	19349

Energy Efficiency Data (as per EC Regulation No. 812/2013)	
	valid for a tank with insulation
Energy efficiency class	C
Static loss	82 W
Storage volume	285 l

Technical data	
Total storage tank volume	285 l
Max. working temperature in storage tank	95 °C
Max. working pressure in storage tank	4 bar
Storage tank diameter	550 mm
Storage tank diameter with insulation	750 mm
Storage tank overall height	1405 mm
Tipping height without insulation	1430 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	58 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	635 mm
Blind flange	code 6230
Blind flange for heat exchanger	code 6231
Tube heat exchanger	max. area 1.8 m ²

Dimensions		TAPPINGS			
		pos.	description	connection	height [mm]
Heat sources					
B1	Supply from heat source	G 6/4" F	1120		
B2	Return to heat source	G 6/4" F	220		
Heating system					
H1	Supply to heat sink	G 6/4" F	1405		
H2	Return from heat sink	G 6/4" F	220		
Control and safety					
C1	Temperature sensor	G 1/2" F	1135		
C2	Temperature sensor	G 1/2" F	520		
C3	Temperature sensor	G 1/2" F	830		
T	Thermometer	G 1/2" F	895		
P	Safety valve	G 1/2" F	450		
Universal inlet/outlet					
U1	Universal inlet/outlet	G 6/4" F	1120		
U2	Universal inlet/outlet	G 6/4" F	360		
U3	Universal inlet/outlet	G 6/4" F	795		
U4	Universal inlet/outlet	G 6/4" F	520		
U5	Universal inlet/outlet	G 6/4" F	880		
Flanges					
L1	Upper flange	12 x M12	1010		
L2	Lower flange	12 x M12	330		