


DATA SHEET
PS 5000 N25 Thermal Store

	Main Features	
	Application	Storage and subsequent distribution of thermal energy from solid-fuel boilers, heat pumps or other heat sources. 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	14331
	Insulation code	19358

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

	valid for a tank with insulation
Energy efficiency class	N/A
Static loss	312 W
Storage volume	4989 l

Technical data

Total storage tank volume	4989 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	485 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

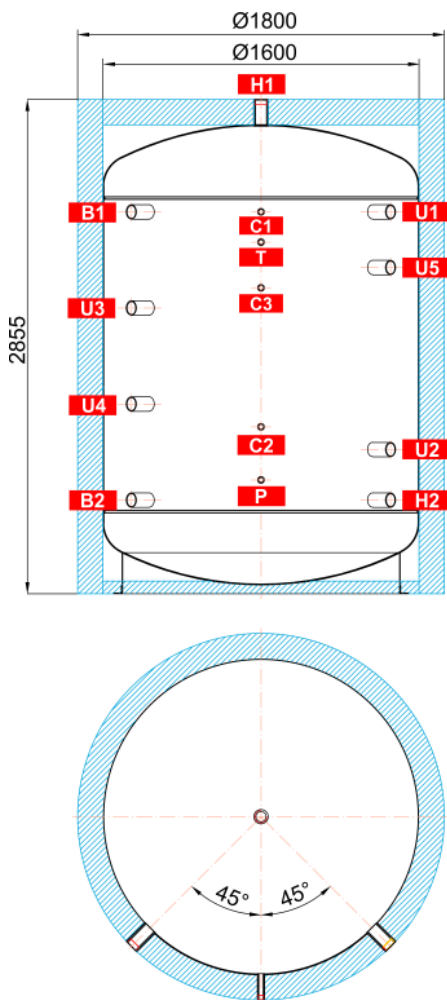
Accessories

Electrical heating element	ETT-A, C, D, F, P, M
Heating element max. length	955 mm

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

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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	2885
H2	Return from heat sink	G 2.5" F	465
Control and safety			
C1	Temperature sensor	G 1/2" F	2335
C2	Temperature sensor	G 1/2" F	670
C3	Temperature sensor	G 1/2" F	2105
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