


DATA SHEET

PS 500 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	19272
	Insulation code	19274

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

	valid for a tank with insulation
Energy efficiency class	C
Static loss	94 W
Storage volume	476 l

Technical data

Total storage tank volume	476 l
Max. working temperature in storage tank	95 °C
Max. working pressure in storage tank	4 bar
Storage tank diameter	600 mm
Storage tank diameter with insulation	800 mm
Storage tank overall height	1915 mm
Tipping height without insulation	1940 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	93 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

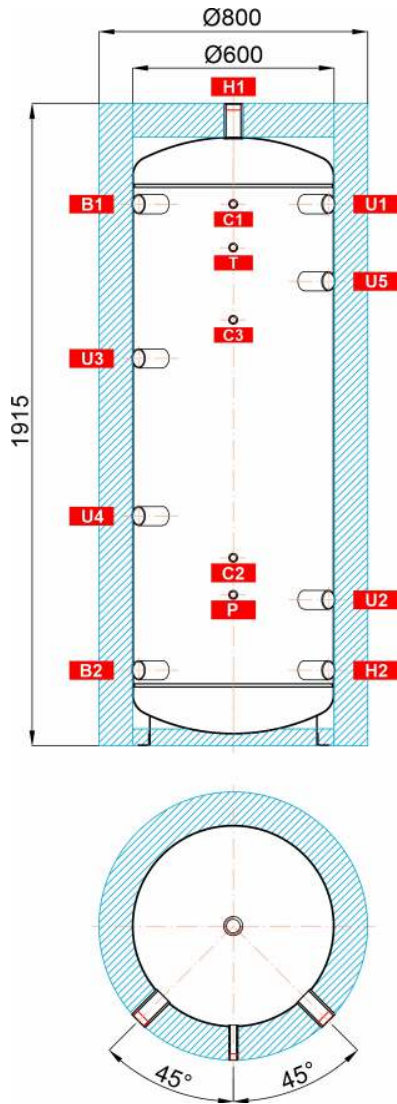
Accessories

Electrical heating element	ETT-A, C, D, F, P, M
Heating element max. length	680 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	1605
B2	Return to heat source	G 2,5" F	245
Heating system			
H1	Supply to heat sink	G 2,5" F	1915
H2	Return from heat sink	G 2,5" F	245
Control and safety			
C1	Temperature sensor	G 1/2" F	1615
C2	Temperature sensor	G 1/2" F	450
C3	Temperature sensor	G 1/2" F	1485
T	Thermometer	G 1/2" F	1270
P	Safety valve	G 1/2" F	560
Universal inlet/outlet			
U1	Universal inlet/outlet	G 2,5" F	1605
U2	Universal inlet/outlet	G 2,5" F	435
U3	Universal inlet/outlet	G 2,5" F	1155
U4	Universal inlet/outlet	G 2,5" F	685
U5	Universal inlet/outlet	G 2,5" F	1385