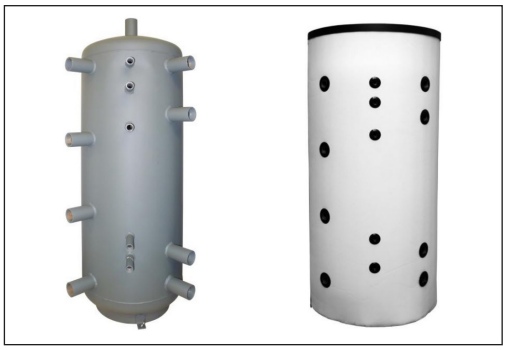
DATA SHEET

PS 200 N+ Thermal Store



Main Features	
Application	Storage and subsequent distribution of thermal energy from solid-fuel boilers, heat pumps or other heat sources.
Working fluid	Water, water–glycol mixture (max. 1:1), water–glycerine mixture (max. 2:1), thermal oil.
Storage tank code	**14717**
Insulation order code	**19295** – hard surface **16326** – soft surface

Energy Efficiency Data (as per EC Regulation No. 812/2013)		
Valid for a tank with insulation	**19295**	**16326**
Energy efficiency class	B	B
Static loss	58 W	59 W
Storage volume	181 l	181 l

Technical Data	
Total storage tank volume	181 l
Max. working temperature in storage tank	95 °C
Max. working pressure in storage tank	4 bar
Storage tank diameter	450 mm
Storage tank diameter with insulation	650 mm
Storage tank overall height	1351 mm
Tipping height without insulation	1370 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	41 kg

Materials	
Storage tank material	S235JR
Storage tank perimeter insulation	fleece
Outer surface of the tank shell insulation	19295 – hard polystyrene 16326 – leatherette
Top and bottom storage tank insulation	fleece

Insulation thermal conductivity λ ≤ 0.037 W/mK, thermal resistance (short/long term) 150/100 °C, fire class E.

Accessories	
Electrical heating element	ETT-A, C, D2, M, R, U, F2, P, S
Heating element max. length	500 mm

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

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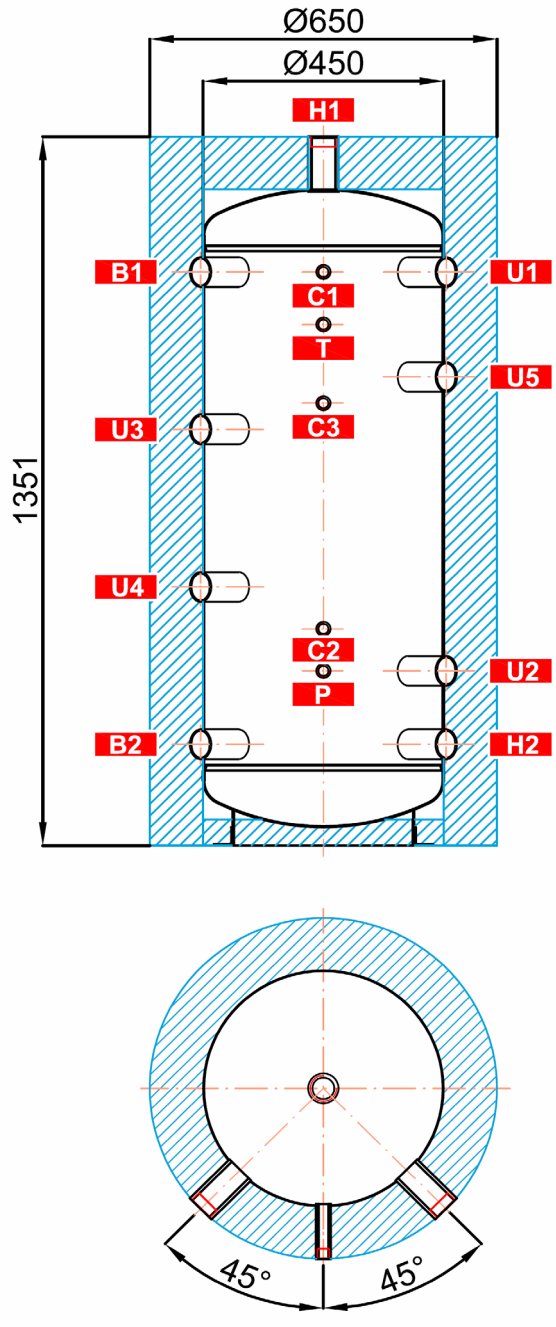
Dimensions

Hatch height without insulation 1370 mm



TAPPINGS

Pos.	Description	Connection	Height [mm]
Heat sources			
B1	Supply from heat source	G 6/4" F	1093
B2	Return to heat source	G 6/4" F	193
Heating system			
H1	Supply to heat sink	G 6/4" F	1351
H2	Return from heat sink	G 6/4" F	193
Control and safety			
C1	Temperature sensor	G 1/2" F	1093
C2	Temperature sensor	G 1/2" F	413
C3	Temperature sensor	G 1/2" F	843
T	Thermometer	G 1/2" F	993
P	Safety valve	G 1/2" F	333
Universal inlet/outlet			
U1	Universal inlet/outlet	G 6/4" F	1093
U2	Universal inlet/outlet	G 6/4" F	333
U3	Universal inlet/outlet	G 6/4" F	793
U4	Universal inlet/outlet	G 6/4" F	493
U5	Universal inlet/outlet	G 6/4" F	893

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