DATA SHEET

PS 1100 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
Thermal store code	15150
Insulation code	19305

Energy Efficiency Data (as per EC Regulation No. 812/2013)	
	valid for a thermal store with insulation
Energy efficiency class	N/A
Static loss	140 W
Storage volume	1040 l

Technical data	
Total thermal store volume	1040 l
Max. working temperature in thermal store	95 °C
Min. working temperature in thermal store	7 °C
Max. working pressure in thermal store	4 bar
Thermal store diameter	850 mm
Thermal store diameter with insulation	1050 mm
Thermal store overall height	2080 mm
Tipping height without insulation	2125 mm
Thermal store perimeter insulation thickness	100 mm
Thermal store bottom insulation thickness	50 mm
Thermal store top insulation thickness	100 mm
Empty weight without insulation	128 kg

Materials	
Thermal store material	S235JR
Thermal store perimeter insulation	fleece
Thermal store outer surface insulation	hard polystyrene
Top and bottom thermal store insulation	fleece

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

Accessories	
Electric heating element	ETT-A, C, D2, M, R, U, F2, P, S
Heating element max. length	815 mm

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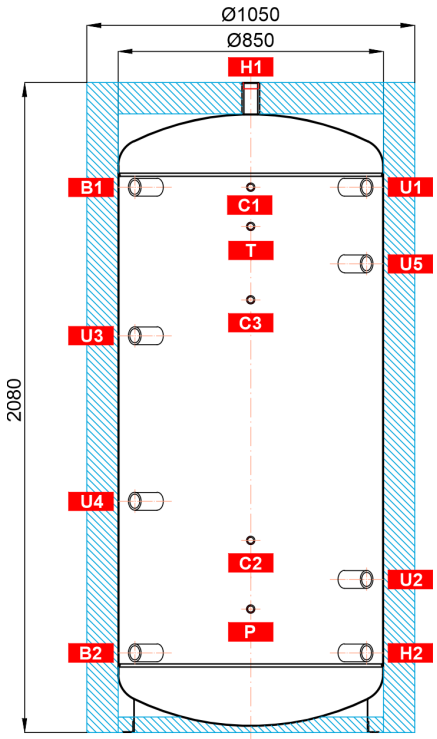
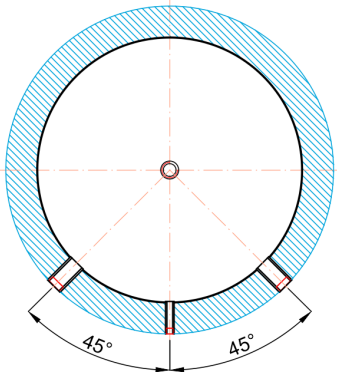
Dimensions





CONNECTIONS

pos.	description	connection	height [mm]
Heat sources			
B1	Supply from heat source	G 6/4" F	1740
B2	Return to heat source	G 6/4" F	260
Heating system			
H1	Flow to heating system	G 6/4" F	2080
H2	Return from heating system	G 6/4" F	260
Control and safety			
C1	Temperature sensor	G 1/2" F	1740
C2	Temperature sensor	G 1/2" F	615
C3	Temperature sensor	G 1/2" F	1385
T	Thermometer	G 1/2" F	1620
P	Safety valve	G 1/2" F	395
Universal inlet/outlet			
U1	Universal inlet/outlet	G 6/4" F	1740
U2	Universal inlet/outlet	G 6/4" F	490
U3	Universal inlet/outlet	G 6/4" F	1270
U4	Universal inlet/outlet	G 6/4" F	740
U5	Universal inlet/outlet	G 6/4" F	1500

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