

PS 800 E 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	21400
	Insulation code	21451

Energy Efficiency Data (as per EC Regulation No. 812/2013)	
	valid for a thermal store with insulation
Energy efficiency class	N/A
Static loss	113 W
Storage volume	780 l

Technical data	
Total thermal store volume	780 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	790 mm
Thermal store diameter with insulation	990 mm
Thermal store overall height	1774 mm
Tipping height without insulation	1730 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	101 kg

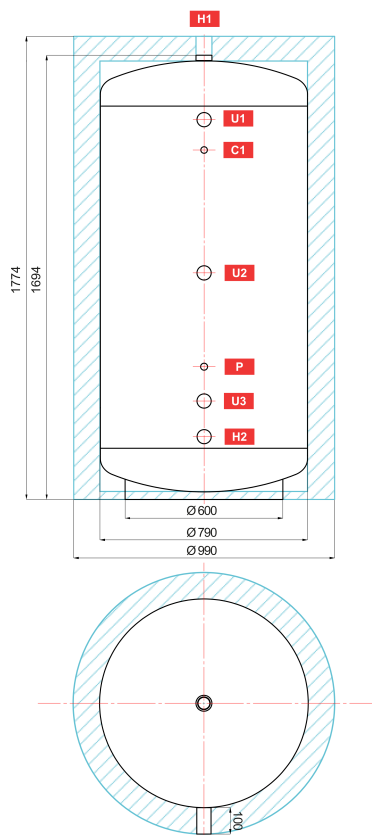
Materials	
Thermal store material	S235JR
Thermal store perimeter insulation	fleece
Thermal store outer surface insulation	hard polystyrene
Top and bottom thermal store insulation	fleece

Insulation thermal conductivity $\lambda \leq 0.037 \text{ W/mK}$, 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]
Heating system			
H1	Flow to heating system	G 6/4" F	1694
H2	Return from heating system	G 6/4" F	255
Control and safety			
C1	Temperature sensor	G 1/2" F	1340
P	Safety valve	G 1/2" F	520
Universal inlet/outlet			
U1	Universal inlet/outlet	G 6/4" F	1455
U2	Universal inlet/outlet	G 6/4" F	875
U3	Universal inlet/outlet	G 6/4" F	390