

PS 300 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	21428
	Insulation code	21429

Energy Efficiency Data (as per EC Regulation No. 812/2013)	
	valid for a thermal store with insulation
Energy efficiency class	B
Static loss	68 W
Storage volume	280 l

Technical data	
Total thermal store volume	280 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	550 mm
Thermal store diameter with insulation	750 mm
Thermal store overall height	1405 mm
Tipping height without insulation	1430 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	45 kg

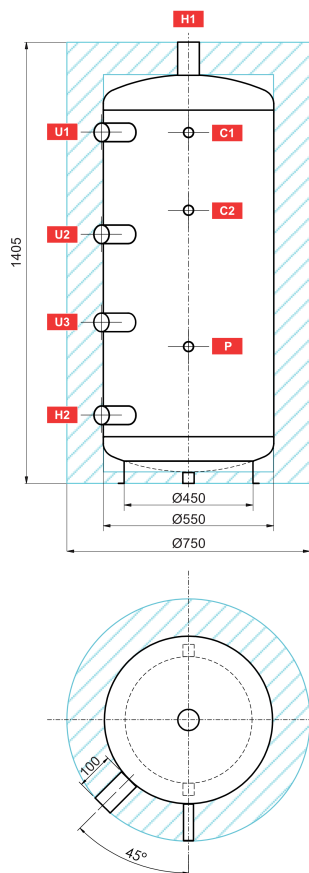
Materials	
Thermal store material	S235JR
Thermal store perimeter insulation	fleece + PP caps
Thermal store outer surface insulation	hard polystyrene
Top and bottom thermal store insulation	fleece

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	635 mm

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Dimensions



CONNECTIONS

pos.	description	connection	height [mm]
Heating system			
H1	Flow to heating system	G 6/4" F	1405
H2	Return from heating system	G 6/4" F	220
Control and safety			
C1	Temperature sensor	G 1/2" F	1120
C2	Temperature sensor	G 1/2" F	870
P	Safety valve	G 1/2" F	440
Universal inlet/outlet			
U1	Universal inlet/outlet	G 6/4" F	1120
U2	Universal inlet/outlet	G 6/4" F	795
U3	Universal inlet/outlet	G 6/4" F	520