

PS 900 ES+ 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	15530
Insulation code	19301

Energy Efficiency Data (as per EC Regulation No. 812/2013)	
	valid for a thermal store with insulation
Energy efficiency class	N/A
Static loss	122 W
Storage volume	860 l

Technical data	
Total thermal store volume	860 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	1975 mm
Tipping height without insulation	2015 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	84 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 $\lambda \leq 0.037$ 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	1975	
	H2	Return from heating system	G 6/4" F	255	
	Control and safety				
	C1	Temperature sensor	G 1/2" F	1530	
	Universal inlet/outlet				
	U1	Universal inlet/outlet	G 6/4" F	1655	
	U2	Universal inlet/outlet	G 6/4" F	955	