


DATA SHEET
PSWF 300 N+ Thermal Store

	Main Features	
	Application	Storage and subsequent distribution of thermal energy from solid-fuel boilers, heat pumps or other heat sources; the tank is fitted with 2 flanged openings that can permit installation of a DHW tube heat exchanger or connecting a solar thermal system
	Working fluid	water, water-glycol mixture (max. 1:1), water-glycerine mixture (max. 2:1), thermal oil
	Storage tank code	14732
	Insulation code	19342

Energy Efficiency Data (as per EC Regulation No. 812/2013)

	valid for a tank with insulation
Energy efficiency class	C
Static loss	78 W
Storage volume	271 l

Technical data

Total storage tank volume	280 l
Fluid volume in tank	271 l
Heat exchanger volume	9.0 l
Heat exchanger surface area	1.5 m ²
Max. working temperature in storage tank	95 °C
Max. working temperature in heat exchanger	110 °C
Max. working pressure in storage tank	4 bar
Max. working pressure in heat exchanger	10 bar
Storage tank diameter	550 mm
Storage tank diameter with insulation	750 mm
Storage tank overall height	1405 mm
Tipping height without insulation	1430 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	87 kg

Materials

Storage tank material	S235JR
Storage tank perimeter insulation	fleece
Storage tank outer surface insulation	hard polystyrene
Top and bottom storage tank insulation	fleece
Solar heat exchanger	S235JR+N

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Accessories	
Electrical heating element	ETT-A, C, D, F, P, M
Heating element max. length	635 mm
Blind flange	code 6230
Blind flange for heat exchanger	code 6231
Tube heat exchanger	max. area 1.8 m ²

Dimensions																																																																																																
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Heat exchanger pressure drop graph

