

PSWF 300 N+ Thermal Store

PSWF 300 N+



PSWF 300 N+ with insulation



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 a solar heat exchanger and a flanged opening that permits installation of a DHW tube heat exchanger or connecting a solar thermal system
Description	welded steel tank
Working fluid	water, water-glycol mixture (max. 1:1), water-glycerine mixture (max. 2:1), thermal oil

Code	
Thermal Store	14 732
Insulation	16 366

Energy Efficiency Data (as per EC Regulation No. 812/2013)	
	PSWF 300 N+ with insulation
Energy efficiency class	C
Standing loss	80 W
Storage volume	271 l

Technical Data	
Total tank volume	280 l
Fluid volume in tank	271 l
Fluid volume in heat exchanger	9 l
Heat exchanger surface area	1,5 m ²
Max. working temperature in Thermal Store	95 °C
Max. working temperature in HE	110 °C
Max. working pressure in Thermal Store	4 bar
Max. working pressure in HE	10 bar

Materials	
Tank material	S235JR
Solar heat exchanger material	S235JR+N
Tank perimeter insulation	fleece
Tank perimeter insulation's outer surface	PU leather
Top and bottom tank insulation	fleece

Dimensions, Tipping height, Insulation thickness, Weight	
Tank diameter	550 mm
Tank diameter with insulation	750 mm
Tank overall height	1405 mm
Tipping height without insulation	1430 mm
Tank perimeter insulation thickness	100 mm
Bottom insulation thickness	50 mm
Top insulation thickness	120 mm
Empty weight without insulation	87 kg

Accessories	
El. heating element (models)	ETT-A,C, D, F, G, L, M
Heating elem. max. length / output	520 mm / 7,5 kW
Blind flange	code 6230
Flange for heat exchanger	code 6231
Tube heat exchanger	max surface area 1,8 m ²

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Dimensions

Tipping height without insulation 1430 mm.

TAPPINGS

pos.	connection	height [mm]
Heat sources		
B1	G 6/4" F	1120
B2	G 6/4" F	220
Heating system		
H1	G 6/4" F	1405
H2	G 6/4" F	220
Control and safety		
C1	G 1/2" F	1135
C2	G 1/2" F	520
C3	G 1/2" F	895
T	G 1/2" F	830
P	G 1/2" F	375
Universal inlet/outlet		
U1	G 6/4" F	1120
U2	G 6/4" F	360
U3	G 6/4" F	795
U4	G 6/4" F	520
U5	G 6/4" F	880
Solar thermal systems		
X1	G 1" F	670
X2	G 1" F	220

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Heat exchanger pressure drop graph

