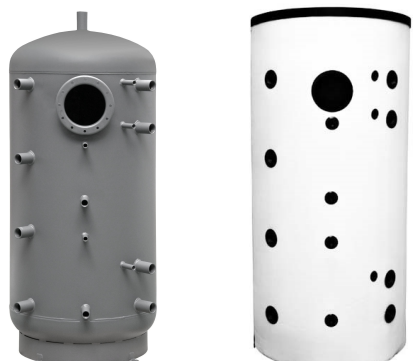


DATA SHEET

PSWF 800 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 a solar heat exchanger and a flanged opening that permits 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	15230
	Insulation code	19343

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

	valid for a tank with insulation
Energy efficiency class	neudává se
Static loss	133 W
Storage volume	792 l

Technical data

Total storage tank volume	792 l
Fluid volume in tank	807 l
Heat exchanger volume	15.0 l
Heat exchanger surface area	2.7 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	800 mm
Storage tank diameter with insulation	1000 mm
Storage tank overall height	1845 mm
Tipping height without insulation	1895 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	160 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

PSWF 800 N+ Thermal Store

Accessories	
Electrical heating element	ETT-A, C, D, F, P, M
Heating element max. length	755 mm
Blind flange	code 6230
Blind flange for heat exchanger	code 6231 / 6232
Tube heat exchanger	max. area 4.5 m ²

Dimensions		TAPPINGS			
		pos.	description	connection	height [mm]
		Heat sources			
B1	Supply from heat source	G 6/4" F	1455		
B2	Return to heat source	G 6/4" F	315		
Heating system					
H1	Supply to heat sink	G 6/4" F	1845		
H2	Return from heat sink	G 6/4" F	315		
Control and safety					
C1	Temperature sensor	G 1/2" F	1470		
C2	Temperature sensor	G 1/2" F	685		
C3	Temperature sensor	G 1/2" F	1155		
T	Thermometer	G 1/2" F	1250		
P	Safety valve	G 1/2" F	530		
Universal inlet/outlet					
U1	Universal inlet/outlet	G 6/4" F	1455		
U2	Universal inlet/outlet	G 6/4" F	515		
U3	Universal inlet/outlet	G 6/4" F	1075		
U4	Universal inlet/outlet	G 6/4" F	695		
U5	Universal inlet/outlet	G 6/4" F	1235		
Solar thermal system					
X1	Inlet from solar thermal collector	G 1" F	870		
X2	Return to solar thermal collector	G 1" F	315		
Flanges					
L1	Upper flange	12 x M12	1355		

DATA SHEET

PSWF 800 N+ Thermal Store

Heat exchanger pressure drop graph

