


DATA SHEET

PS 1100 K+ 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
	Storage tank code	16119
	Insulation code	19323

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

	valid for a tank with insulation
Energy efficiency class	N/A
Static loss	144 W
Storage volume	1085 l

Technical data

Total storage tank volume	1085 l
Max. working temperature in storage tank	95 °C
Max. working pressure in storage tank	3 bar
Storage tank diameter	950 mm
Storage tank diameter with insulation	1150 mm
Storage tank overall height	1815 mm
Tipping height without insulation	1850 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	117 kg

Materials

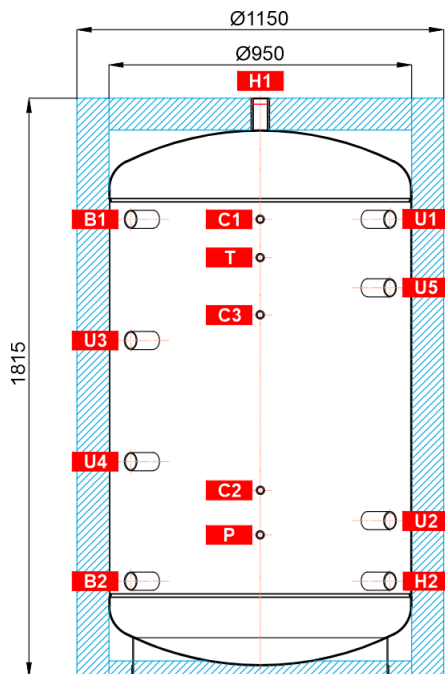
Storage tank material	S235JR
Storage tank perimeter insulation	fleece
Storage tank outer surface insulation	hard polystyrene
Top and bottom storage tank insulation	fleece

Accessories

Electrical heating element	ETT-A, C, D, F, P, M
Heating element max. length	955 mm

PS 1100 K+ Thermal Store

Dimensions



TAPPINGS

pos.	description	connection	height [mm]
Heat sources			
B1	Supply from heat source	G 6/4" F	1435
B2	Return to heat source	G 6/4" F	300
Heating system			
H1	Supply to heat sink	G 6/4" F	1815
H2	Return from heat sink	G 6/4" F	300
Control and safety			
C1	Temperature sensor	G 1/2" F	1435
C2	Temperature sensor	G 1/2" F	585
C3	Temperature sensor	G 1/2" F	1135
T	Thermometer	G 1/2" F	1315
P	Safety valve	G 1/2" F	445
Universal inlet/outlet			
U1	Universal inlet/outlet	G 6/4" F	1435
U2	Universal inlet/outlet	G 6/4" F	490
U3	Universal inlet/outlet	G 6/4" F	1055
U4	Universal inlet/outlet	G 6/4" F	675
U5	Universal inlet/outlet	G 6/4" F	1220