DATA SHEET

PS 700 N+ 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	15138
Insulation code	19316

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

	valid for a tank with insulation
Energy efficiency class	N/A
Static loss	110 W
Storage volume	656 l

Technical data

Total storage tank volume	656 l
Max. working temperature in storage tank	95 °C
Max. working pressure in storage tank	4 bar
Storage tank diameter	700 mm
Storage tank diameter with insulation	900 mm
Storage tank overall height	1955 mm
Tipping height without insulation	2080 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	85 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	755 mm

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Dimensions
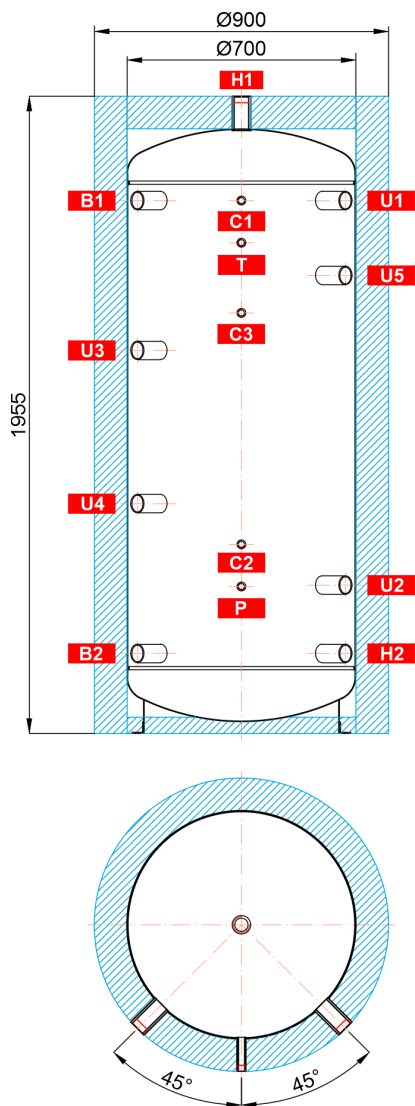
TAPPINGS

pos.	description	connection	height [mm]
Heat sources			
B1	Supply from heat source	G 6/4" F	1635
B2	Return to heat source	G 6/4" F	245
Heating system			
H1	Supply to heat sink	G 6/4" F	1955
H2	Return from heat sink	G 6/4" F	245
Control and safety			
C1	Temperature sensor	G 1/2" F	1635
C2	Temperature sensor	G 1/2" F	580
C3	Temperature sensor	G 1/2" F	1290
T	Thermometer	G 1/2" F	1505
P	Safety valve	G 1/2" F	450
Universal inlet/outlet			
U1	Universal inlet/outlet	G 6/4" F	1635
U2	Universal inlet/outlet	G 6/4" F	455
U3	Universal inlet/outlet	G 6/4" F	1175
U4	Universal inlet/outlet	G 6/4" F	705
U5	Universal inlet/outlet	G 6/4" F	1405