DATA SHEET

HSK 750 P Combination Thermal Store

HSK 750 P

HSK 750 P with insulation

Main features	
Application	accumulation of thermal energy for space and DHW heating
Description	combination thermal store with DHW heating in an integrated stainless-steel heat exchanger, fitted with a tight separating metal plate that increases Seasonal coefficient of performance (SCOP) of a heat pump
Working fluid	water (DHW heat exchanger) water; water/glycol mixture (max. 1:1) or water/glycerine mixture (max. 2:1) (thermal store)

Code	
Thermal Store	**14178**
Insulation	**18840**

Energy Efficiency Data (as per EC Regulation No. 812/2013)	
	HSK 750 P with insulation
Energy efficiency class	N/A
Standing loss	117 W
Storage volume	760 l

Technical Data	
Total tank volume	760 l
Fluid volume in tank	739 l
Fluid volume above the separating plate	304 l
Fluid volume below the separating plate	435 l
DHW heat exchanger volume	21 l
DHW heat exchanger surface area	6 m^2
Max. working temperature in Thermal Store	95 °C
Max. working temperature in DHW HE	95 °C
Max. working pressure in Thermal Store	4 bar
Max. working pressure in DHW HE	10 bar

Tank Materials	
Tank material	S235JR
DHW heat exchanger material	AISI 316 L

Insulation Materials	
Tank perimeter insulation	fleece
Tank perimeter insulation outer surface	hard polystyrene
Top and bottom tank insulation	fleece

Dimensions, Tipping height, Insulation thickness, Weight	
Tank diameter	750 mm
Tank diameter with insulation	950 mm
Tank overall height	1975 mm
Tipping height without insulation	2030 mm
Tank perimeter insulation thickness	100 mm
Bottom insulation thickness	50 mm
Top insulation thickness	120 mm
Empty weight without insulation	120 kg

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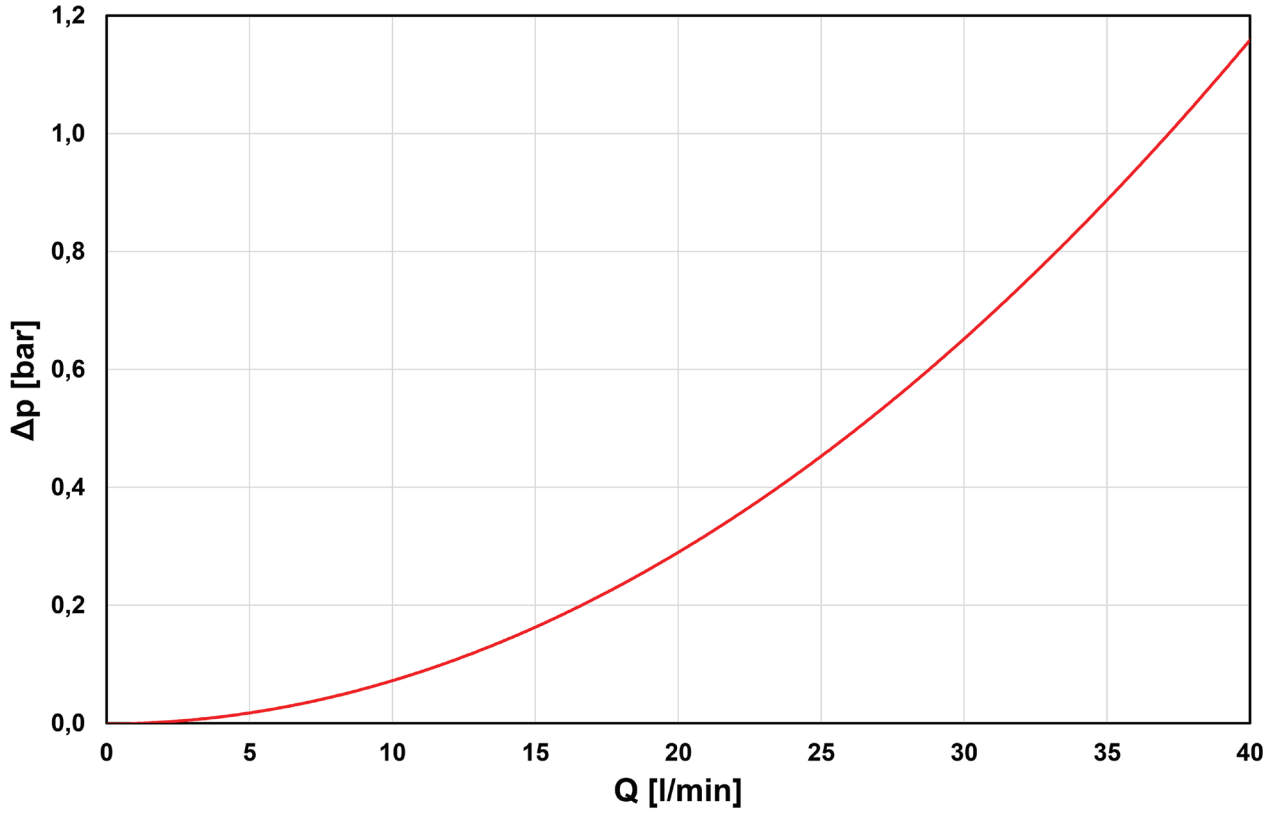
Accessories	
El. heating element (models)	ETT-C, P, M
Heating elem. max. length / output	4x 700 mm / 8,2 kW

Volume of supplied DHW (heated from 10 °C to 40 °C)

Heated volume	entire			entire			above metal sheet			entire			entire			above metal sheet			entire		
Temperature in tank	50 °C			50 °C			50 °C			60 °C			60 °C			60 °C			80 °C		
Backup heater	10 kW			none			10 kW			10 kW			none			10 kW			none		
Flow rate [l/min]	8	12	20	8	12	20	8	12	20	8	12	20	8	12	20	8	12	20	8	12	20
Hot water volume [l]	**254**	**227**	**160**	**263**	**212**	**137**	**198**	**152**	**107**	**953**	**644**	**648**	**548**	**503**	**530**	**455**	**313**	**280**	**874**	**824**	**774**

DHW heat exchanger pressure drop graph



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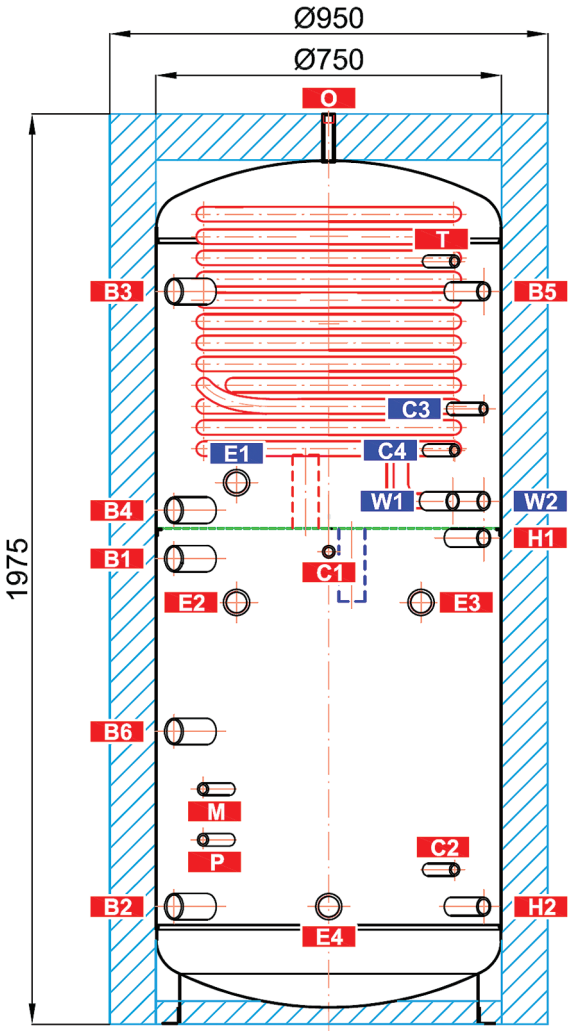
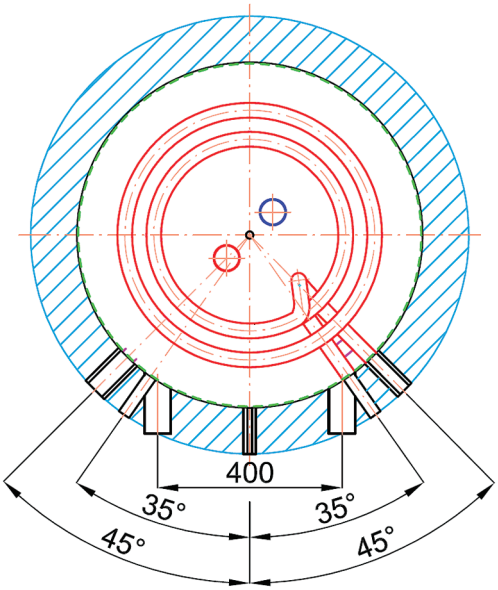
Dimensions

Tipping height without insulation 2030 mm





TAPPINGS			
pos.	description	connec-tion	height [mm]
Heat sources			
B1	Incoming from heat source	G 6/4“ F	1010
B2	Return to heat source	G 6/4“ F	255
B3	Incoming from heat source	G 6/4“ F	1590
B4	Return to heat source	G 6/4“ F	1115
B5	Incoming from heat source	G 1“ F	1590
B6	Incoming from heat source	G 6/4“ F	635
Heating circuit			
H1	Supply to the heating circuit	G 1“ F	1055
H2	Returnable from the heating circuit	G 1“ F	255
El. heating elements			
E1	Electric heating element for DHW heating	G 6/4“ F	1175
E2	Electric heating element for space heating	G 6/4“ F	915
E3	Electric heating element for space heating	G 6/4“ F	915
E4	Electric heating element for PV system	G 6/4“ F	255
DHW heating			
W1	Cold water	G 1“ M	1135
W2	Hot water	G 1“ M	1135
Control and safety			
C1	Temperature sensor	G 1/2“ F	1025
C2	Temperature sensor	G 1/2“ F	335
C3	Temperature sensor	G 1/2“ F	1335
C4	Temperature sensor	G 1/2“ F	1245
T	Thermometer	G 1/2“ F	1655
M	Pressure gauge	G 1/2“ F	510
P	Safety valve	G 1/2“ F	400
O	Air vent valve	G 1/2“ F	1975

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