

HSK 750 P Combination Thermal Store

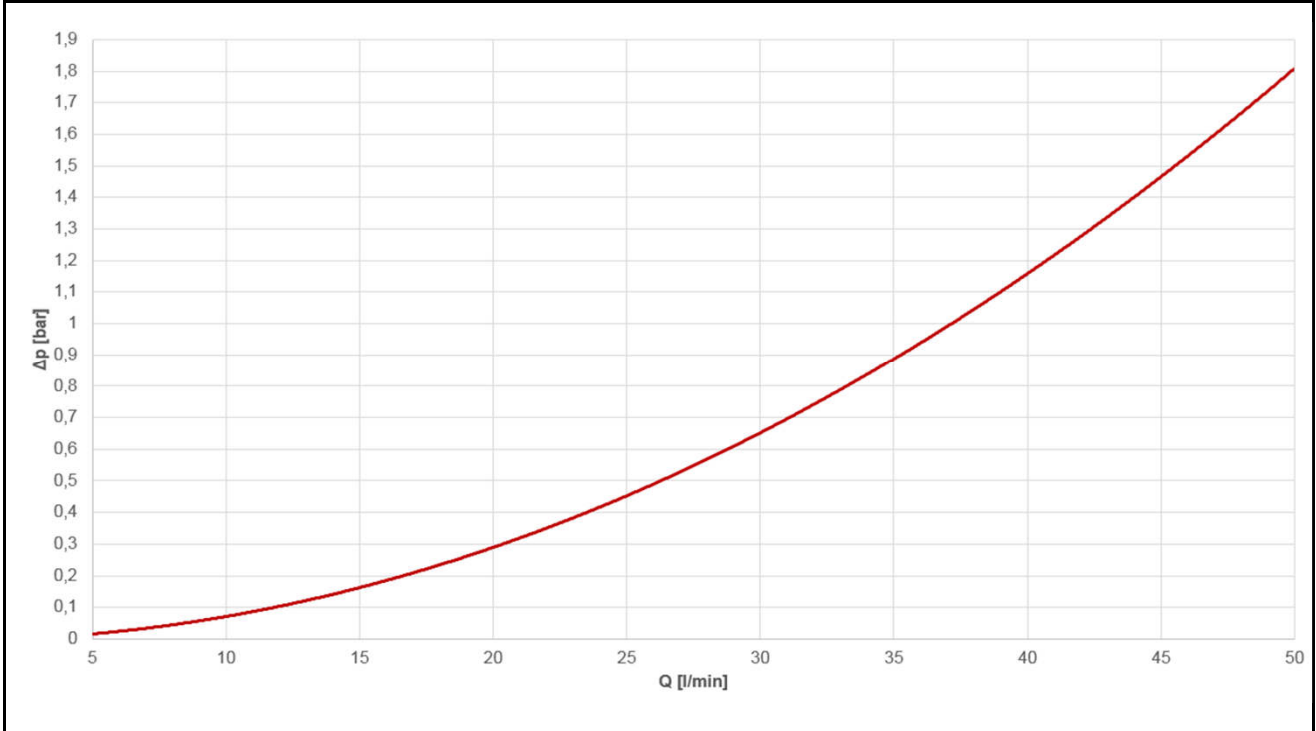


Main features	
Application	storage of thermal energy for DHW and space heating
Description	combination Thermal Store with immersed DHW heat exchanger made of stainless steel; with a tight separating sheet that increases seasonal performance factor of a heat pump and efficiency of solar thermal system
Working fluid	water (tank), water, water/glycol mixture (max. 1:1) or water/glycerine mixture (max. 2:1) (heat exchangers)
Code	
Thermal Store	14 178
Insulation	16 323
Energy Efficiency Data (as per EC Regulation No. 812/2013)	
	HSK 750 P with insulation
Energy efficiency class	N/A
Standing loss	119 W
Storage volume	760 l
Technical Data	
Total tank volume	760 l
Fluid volume in tank	739 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	6 bar
Tank Materials	
Tank material	S235JR
DHW heat exchanger material	AISI 316 L
Insulation Materials	
Tank perimeter insulation	fleece
Tank perimeter insulation outer surface	PU leather
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
Accessories	
El. heating element (models)	ETT-C, L, M
Heating elem. max. length / output	4x 700 mm / 8,2 kW

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Volume of supplied DHW (heated from 10 °C to 40 °C)												
Heated volume	entire			entire			entire			above metal sheet		
Temperature in tank	60 °C			60 °C			80 °C			60 °C		
Backup heater	10 kW			none			none			10 kW		
Flow rate [l/min]	8	12	20	8	12	20	8	12	20	8	12	20
Hot water volume [l]	953	644	648	548	503	530	874	824	774	455	313	280

DHW heat exchanger pressure drop graph



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Dimensions

Tipping height without insulation 2030 mm.

Ø950
Ø750
1975
400
35°
45°

TAPPINGS

pos.	connection	height [mm]
Heat sources		
B1	G 6/4" F	1010
B2	G 6/4" F	255
B3	G 6/4" F	1590
B4	G 6/4" F	1115
B5	G 1" F	1590
B6	G 6/4" F	635
Heating system		
H1	G 1" F	1055
H2	G 1" F	255
El. heating elements		
E1	G 6/4" F	1175
E2	G 6/4" F	915
E3	G 6/4" F	915
E4	G 6/4" F	255
DHW heating		
W1	G 1" M	1135
W2	G 1" M	1135
Control and safety		
C1	G 1/2" F	1025
C2	G 1/2" F	335
C3	G 1/2" F	1335
C4	G 1/2" F	1245
T	G 1/2" F	1655
M	G 1/2" F	510
P	G 1/2" F	400
Air release		
O	G 1/2" F	1975
Pump station support		
F1	M6	1680
F2	M6	1520