

### HSK 1000 P Combination Thermal Store

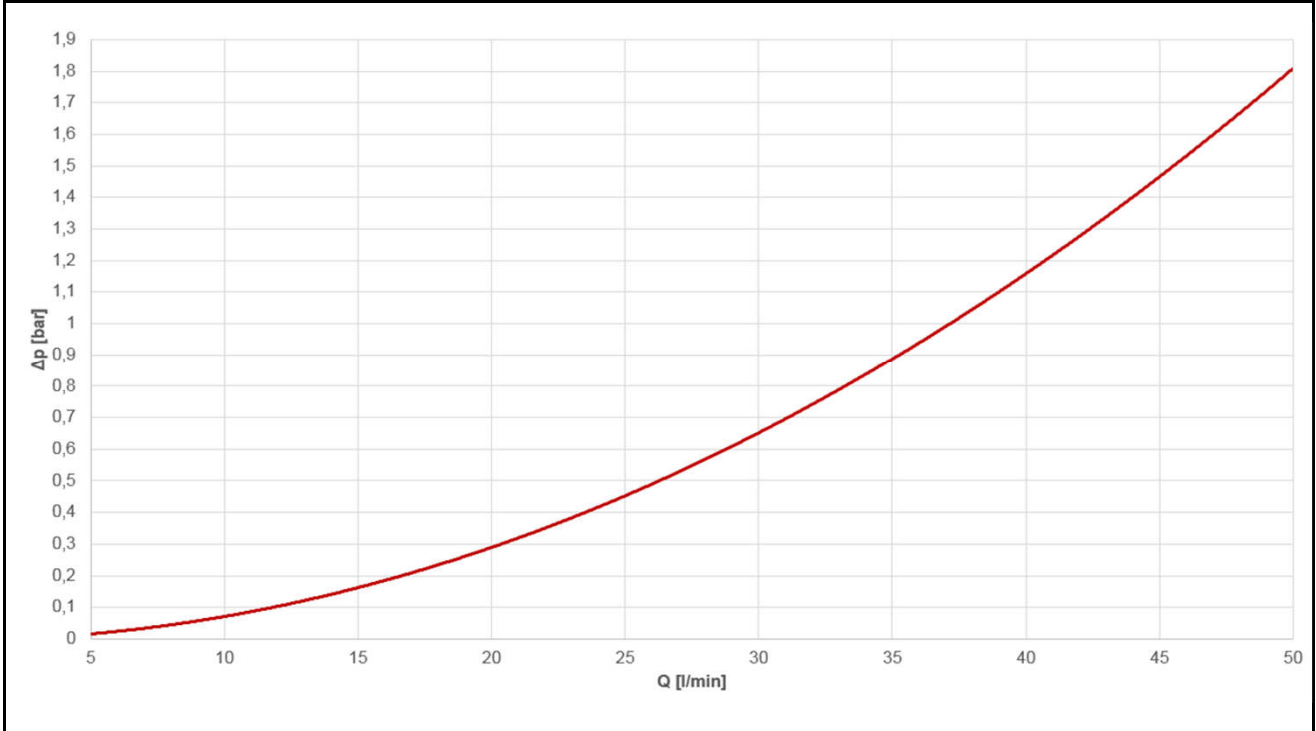


Main features	
Application	storage of thermal energy for DHW and space heating
Description	combination Thermal Store with immersed DHW heat exchanger made of stainless steel; with a tight separating sheet that increases seasonal performance factor of a heat pump and efficiency of solar thermal system
Working fluid	water (tank), water, water/glycol mixture (max. 1:1) or water/glycerine mixture (max. 2:1) (heat exchangers)
Code	
Thermal Store	<b>14 555</b>
Insulation	<b>16 310</b>
Energy Efficiency Data (as per EC Regulation No. 812/2013)	
	<b>HSK 1000 P with insulation</b>
Energy efficiency class	N/A
Standing loss	132 W
Storage volume	925 l
Technical Data	
Total tank volume	925 l
Fluid volume in tank	904 l
DHW heat exchanger volume	21 l
DHW heat exchanger surface area	6 m <sup>2</sup>
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	800 mm
Tank diameter with insulation	1000 mm
Tank overall height	2080 mm
Tipping height without insulation	2120 mm
Tank perimeter insulation thickness	100 mm
Bottom insulation thickness	50 mm
Top insulation thickness	120 mm
Empty weight without insulation	130 kg
Accessories	
El. heating element (models)	ETT-C, L, M
Heating elem. max. length / output	4x 755 mm / 9 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]	1086	672	698	592	523	546	993	948	844	394	281	264

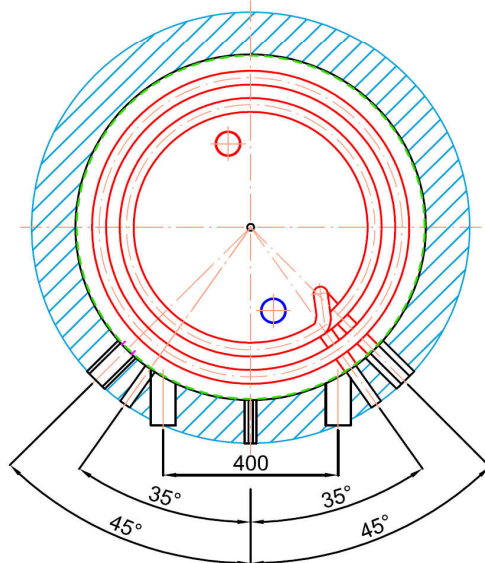
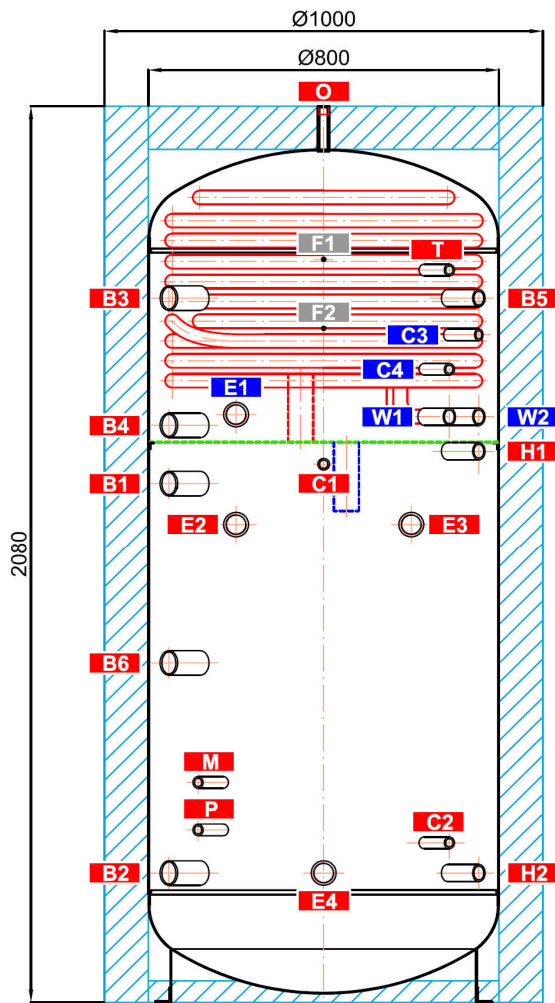
**DHW heat exchanger pressure drop graph**



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**Dimensions**

Tipping height without insulation 2120 mm.



**TAPPINGS**

pos.	connection	height [mm]
<b>Heat sources</b>		
B1	G 6/4" F	1205
B2	G 6/4" F	300
B3	G 6/4" F	1635
B4	G 6/4" F	1340
B5	G 1" F	1635
B6	G 6/4" F	787
<b>Heating system</b>		
H1	G 1" F	1280
H2	G 1" F	300
<b>El. heating elements</b>		
E1	G 6/4" F	1365
E2	G 6/4" F	1110
E3	G 6/4" F	1110
E4	G 6/4" F	300
<b>DHW heating</b>		
W1	G 1" M	1360
W2	G 1" M	1360
<b>Control and safety</b>		
C1	G 1/2" F	1250
C2	G 1/2" F	370
C3	G 1/2" F	1550
C4	G 1/2" F	1470
T	G 1/2" F	1700
M	G 1/2" F	510
P	G 1/2" F	400
<b>Air release</b>		
O	G 1/2" F	2080
<b>Pump station support</b>		
F1	M6	1725
F2	M6	1565