

**HSK 600 P Combination Thermal Store**

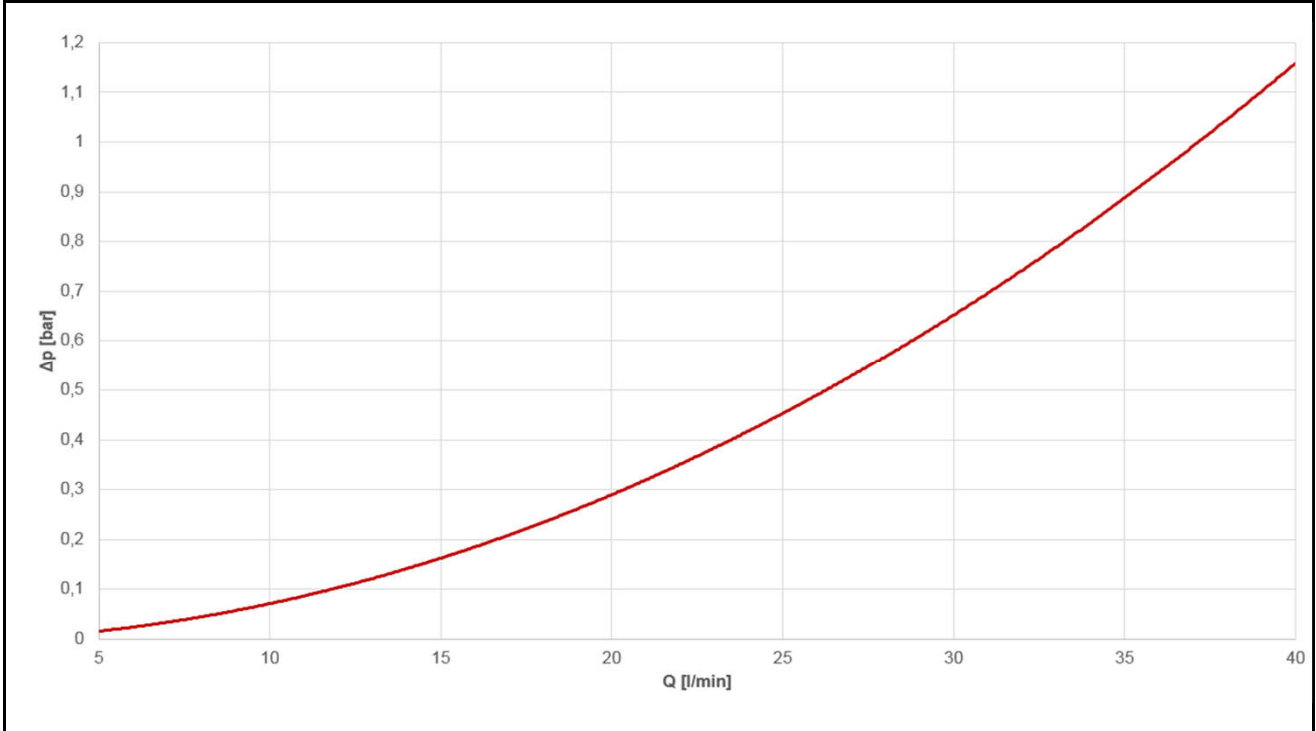


Main features	
Application	storage of thermal energy for DHW and space heating
Description	combination Thermal Store with immersed DHW heat exchanger made of stainless steel; with a tight separating sheet that increases seasonal performance factor of a heat pump and efficiency of solar thermal system
Working fluid	water (tank), water, water/glycol mixture (max. 1:1) or water/glycerine mixture (max. 2:1) (heat exchangers)
Code	
Thermal Store	<b>14 175</b>
Insulation	<b>16 320</b>
Energy Efficiency Data (as per EC Regulation No. 812/2013)	
	<b>HSK 600 P with insulation</b>
Energy efficiency class	N/A
Standing loss	101 W
Storage volume	560 l
Technical Data	
Total tank volume	560 l
Fluid volume in tank	539 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	650 mm
Tank diameter with insulation	850 mm
Tank overall height	1935 mm
Tipping height without insulation	1970 mm
Tank perimeter insulation thickness	100 mm
Bottom insulation thickness	50 mm
Top insulation thickness	120 mm
Empty weight without insulation	109 kg
Accessories	
El. heating element (models)	ETT-C, L, M
Heating elem. max. length / output	4x 555 mm / 6 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]	860	557	355	468	455	444	733	699	665	298	268	252

**DHW heat exchanger pressure drop graph**



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**Dimensions**

Tipping height without insulation 1970 mm.

**TAPPINGS**

pos.	connection	height [mm]
<b>Heat sources</b>		
B1	G 6/4" F	985
B2	G 6/4" F	235
B3	G 6/4" F	1570
B4	G 6/4" F	1090
B5	G 1" F	1570
B6	G 6/4" F	660
<b>Heating system</b>		
H1	G 1" F	1030
H2	G 1" F	235
<b>El. heating elements</b>		
E1	G 6/4" F	1150
E2	G 6/4" F	890
E3	G 6/4" F	890
E4	G 6/4" F	235
<b>DHW heating</b>		
W1	G 1" M	970
W2	G 1" M	970
<b>Control and safety</b>		
C1	G 1/2" F	1000
C2	G 1/2" F	315
C3	G 1/2" F	1310
C4	G 1/2" F	1220
T	G 1/2" F	1635
M	G 1/2" F	510
P	G 1/2" F	400
<b>Air release</b>		
O	G 1/2" F	1935
<b>Pump station support</b>		
F1	M6	1660
F2	M6	1500