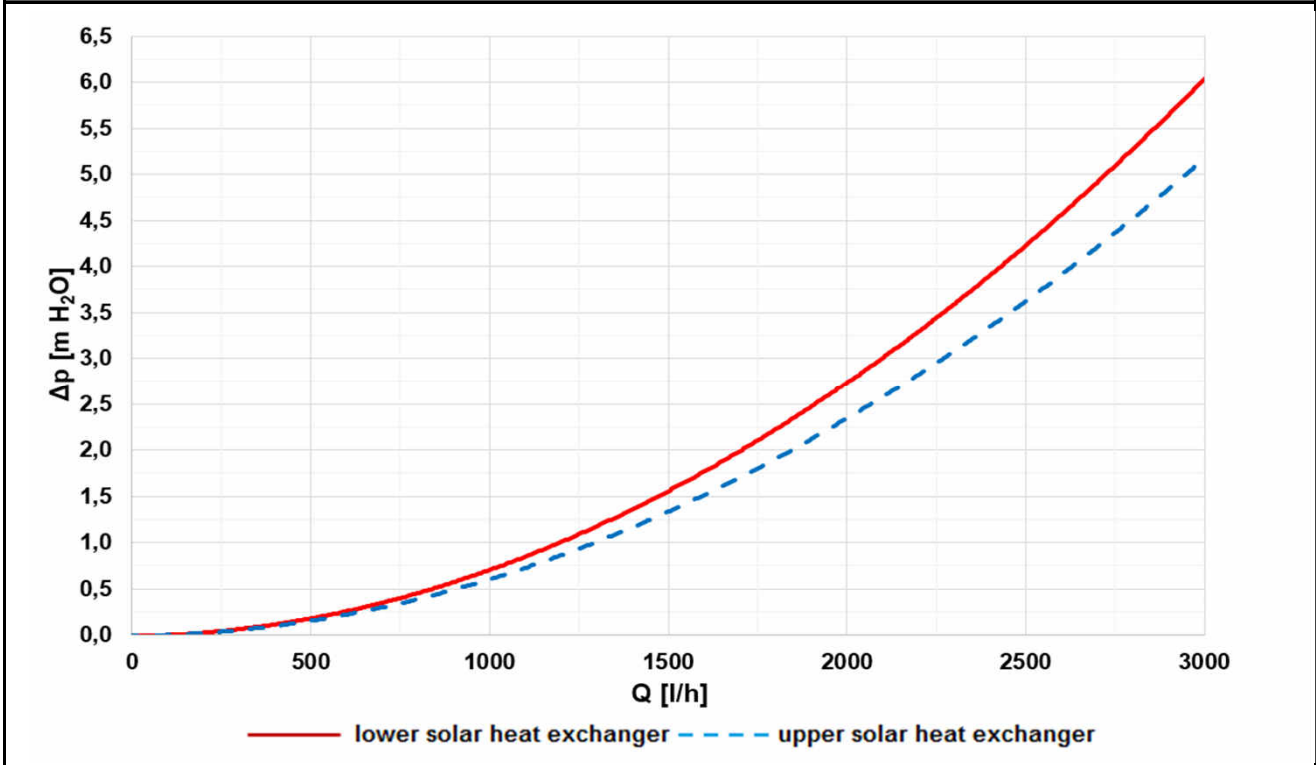


HSK 1000 Thermal Store



Main features	
Application	accumulation of thermal energy for hot-water space heating and DHW
Description	combination thermal store with DHW heating in a stainless-steel heat exchanger, with two steel solar heat exchangers and an inner stratification cylinder for heating system return line
Working fluid	water (tank), water, water/glycol mixture (max. 1:1) or water/glycerine mixture (max. 2:1) (heat exchangers)
Code	
Thermal Store	7 506
Insulation	16 309
Energy Efficiency Data (as per EC Regulation No. 812/2013)	
	HSK 1000 with insulation
Energy efficiency class	N/A
Standing loss	124 W
Storage volume	803 l
Technical Data	
Total tank volume	873 l
Fluid volume in tank	785 l
DHW heat exchanger volume	62 l
Lower solar heat exchanger volume	14 l
Upper solar heat exchanger volume	12 l
DHW heat exchanger surface area	7,2 m ²
Lower solar heat exchanger surface area	3,5 m ²
Upper solar heat exchanger surface area	3,0 m ²
Max. working temperature in Thermal Store	95 °C
Max. working temperature in heat exchangers	95 °C
Max. working pressure in Thermal Store	6 bar
Max. working pressure in heat exchangers	6 bar
Tank Materials	
Tank material	S235JR
Solar heat exchanger material	S235JR+N
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	790 mm
Tank diameter with insulation	1030 mm
Tank overall height	2110 mm
Tipping height without insulation	2145 mm
Tank perimeter insulation thickness	120 mm
Bottom insulation thickness	50 mm
Top insulation thickness	120 mm
Empty weight without insulation	250 kg
Accessories	
El. heating element (models)	ETT-C, L, M
Heating elem. max. length / output	1x 755 mm / 9 kW

HSK 1000 Thermal Store**Solar heat exchanger pressure drop**

HSK 1000 Thermal Store

Dimensions

Tipping height without insulation 2145 mm.

TAPPINGS

pos.	connection	height [mm]
Heat sources		
B1	G 6/4" F	950
B2	G 6/4" F	170
B3	G 6/4" F	1520
B4	-	-
Heating system		
H1	G 6/4" F	1060
H2	G 6/4" F	170
El . heating elements		
E1	G 6/4" F	1130
Air release		
O	G 1" F	2110
Control and safety		
T	G 1/2" F	1500
M	G 1/2" F	580
C1	G 1/2" F	840
C2	G 1/2" F	495
C3	G 1/2" F	1330
C4	G 1/2" F	1450
C5	-	-
DHW heating		
W1	G 5/4" F	270
W2	G 5/4" F	1760
Solar thermal system		
X1	G 1" F	730
X2	G 1" F	310
X3	G 1" F	1680
X4	G 1" F	1210