

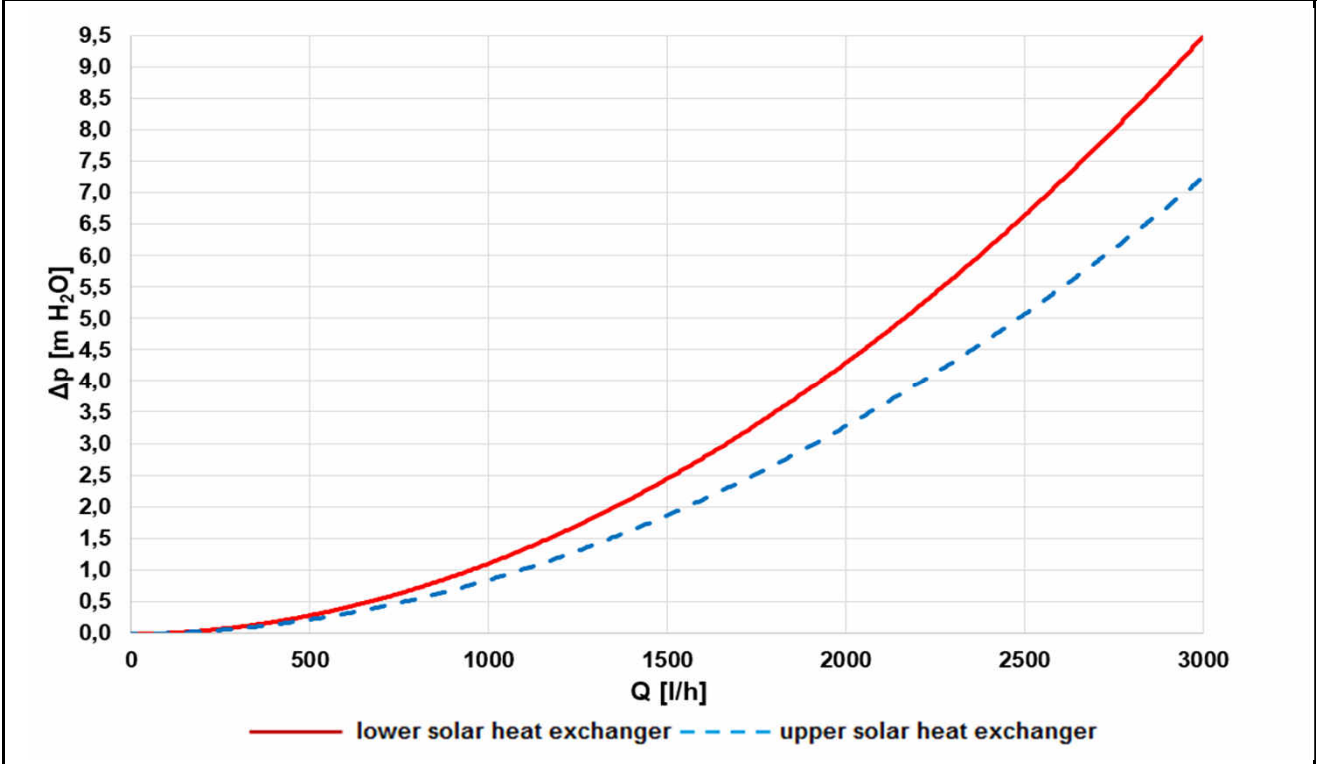
HSK 2000 Thermal Store



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	7 687
Insulation	16 317
Energy Efficiency Data (as per EC Regulation No. 812/2013)	
HSK 2000 with insulation	
Energy efficiency class	N/A
Standing loss	182 W
Storage volume	1767 l
Technical Data	
Total tank volume	1905 l
Fluid volume in tank	1783 l
DHW heat exchanger volume	83 l
Lower solar heat exchanger volume	22 l
Upper solar heat exchanger volume	17 l
DHW heat exchanger surface area	11,5 m ²
Lower solar heat exchanger surface area	5,5 m ²
Upper solar heat exchanger surface area	4,2 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	1100 mm
Tank diameter with insulation	1340 mm
Tank overall height	2380 mm
Tipping height without insulation	2430 mm
Tank perimeter insulation thickness	120 mm
Bottom insulation thickness	50 mm
Top insulation thickness	120 mm
Empty weight without insulation	325 kg
Accessories	
El. heating element (models)	ETT-C, L, M
Heating elem. max. length / output	1x 955 mm / 12 kW

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Solar heat exchanger pressure drop



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Dimensions

Tipping height without insulation 2430 mm.

TAPPINGS

pos.	connection	height [mm]
Heat sources		
B1	G 6/4" F	1080
B2	G 6/4" F	250
B3	G 6/4" F	1760
B4	G 6/4" F	1190
Heating system		
H1	G 6/4" F	1410
H2	G 6/4" F	250
El . heating elements		
E1	G 6/4" F	1210
Air release		
O	G 1" F	2380
Control and safety		
T	G 1/2" F	1730
M	G 1/2" F	750
C1	G 1/2" F	970
C2	G 1/2" F	630
C3	G 1/2" F	1520
C4	G 1/2" F	1640
C5	G 1/2" F	1470
DHW heating		
W1	G 5/4" F	350
W2	G 5/4" F	1950
Solar thermal system		
X1	G 1" F	870
X2	G 1" F	390
X3	G 1" F	1870
X4	G 1" F	1300