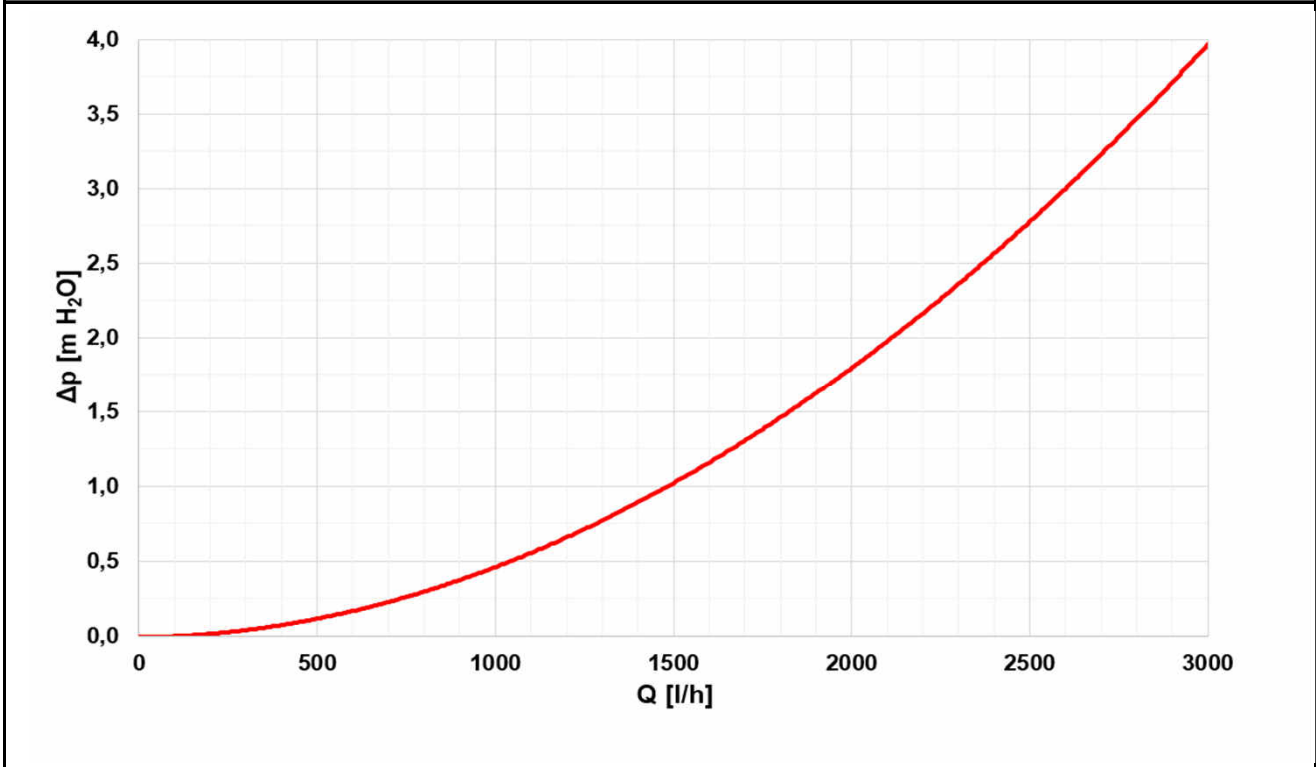


HSK 500 Thermal Store


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 a steel solar heat exchanger 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	7 662
Insulation	16 307
Energy Efficiency Data (as per EC Regulation No. 812/2013)	
	HSK 500 with insulation
Energy efficiency class	C
Standing loss	89 W
Storage volume	429 l
Technical Data	
Total tank volume	474 l
Fluid volume in tank	415 l
DHW heat exchanger volume	50 l
Lower solar heat exchanger volume	9 l
Upper solar heat exchanger volume	-
DHW heat exchanger surface area	5,7 m ²
Lower solar heat exchanger surface area	2,3 m ²
Upper solar heat exchanger surface area	-
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	650 mm
Tank diameter with insulation	850 mm
Tank overall height	1720 mm
Tipping height without insulation	1745 mm
Tank perimeter insulation thickness	100 mm
Bottom insulation thickness	50 mm
Top insulation thickness	100 mm
Empty weight without insulation	130 kg
Accessories	
El. heating element (models)	ETT-C, L, M
Heating elem. max. length / output	1x 700 mm / 8,2 kW

HSK 500 Thermal Store**Solar heat exchanger pressure drop**

HSK 500 Thermal Store

Dimensions

Tipping height without insulation 1745 mm.

TAPPINGS

pos.	connection	height [mm]
Heat sources		
B1	G 6/4" F	910
B2	G 5/4" F	150
B3	G 6/4" F	1400
B4	-	-
Heating system		
H1	G 6/4" F	1020
H2	G 6/4" F	150
El . heating elements		
E1	G 6/4" F	820
Air release		
O	G 1" F	1720
Control and safety		
T	G 1/2" F	1150
M	G 1/2" F	440
C1	G 1/2" F	800
C2	G 1/2" F	490
C3	G 1/2" F	1150
C4	-	-
C5	-	-
DHW heating		
W1	G 5/4" F	240
W2	G 5/4" F	1420
Solar thermal system		
X1	G 1" F	700
X2	G 1" F	280