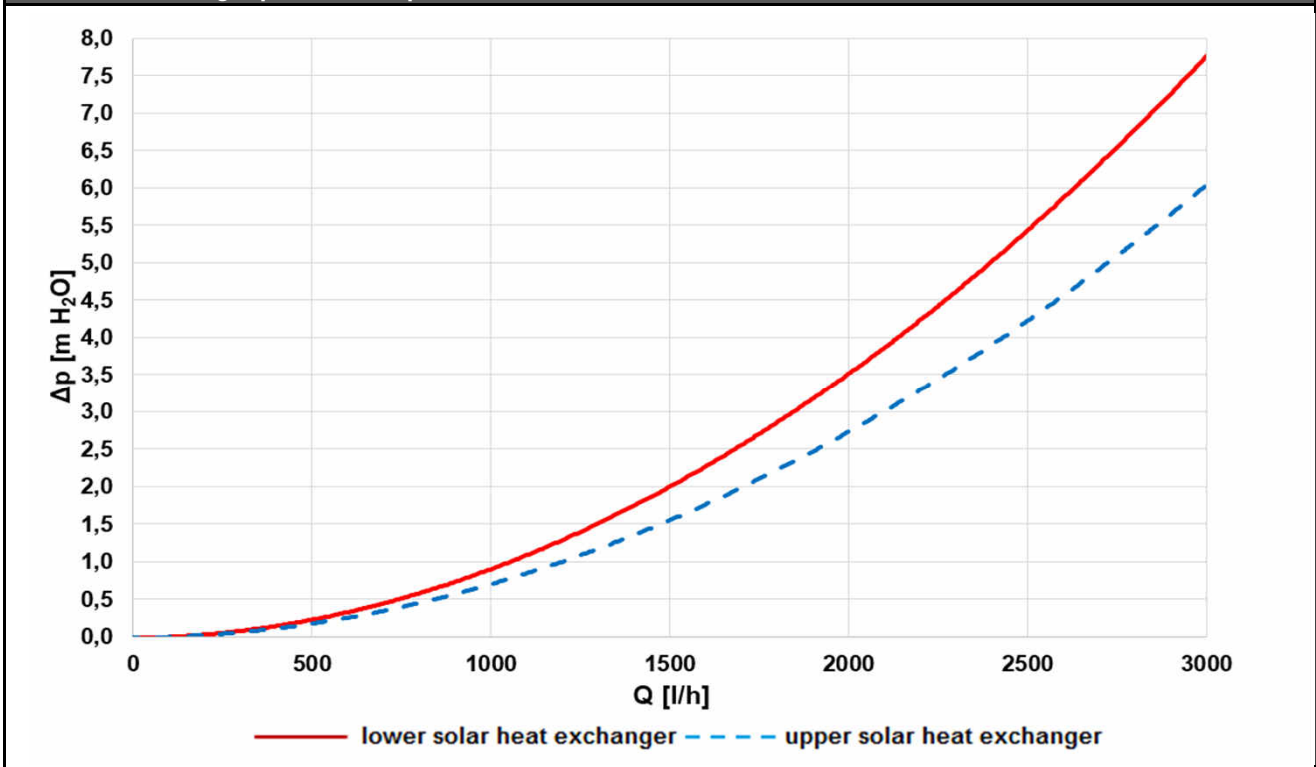


**HSK 1500 Thermal Store**


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	<b>7 686</b>
Insulation	<b>16 313</b>
Energy Efficiency Data (as per EC Regulation No. 812/2013)	
<b>HSK 1500 with insulation</b>	
Energy efficiency class	N/A
Standing loss	166 W
Storage volume	1366 l
Technical Data	
Total tank volume	1475 l
Fluid volume in tank	1373 l
DHW heat exchanger volume	70 l
Lower solar heat exchanger volume	18 l
Upper solar heat exchanger volume	14 l
DHW heat exchanger surface area	8,5 m <sup>2</sup>
Lower solar heat exchanger surface area	4,5 m <sup>2</sup>
Upper solar heat exchanger surface area	3,5 m <sup>2</sup>
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	1000 mm
Tank diameter with insulation	1240 mm
Tank overall height	2240 mm
Tipping height without insulation	2290 mm
Tank perimeter insulation thickness	120 mm
Bottom insulation thickness	50 mm
Top insulation thickness	120 mm
Empty weight without insulation	285 kg
Accessories	
El. heating element (models)	ETT-C, L, M
Heating elem. max. length / output	1x 955 mm / 12 kW

## HSK 1500 Thermal Store

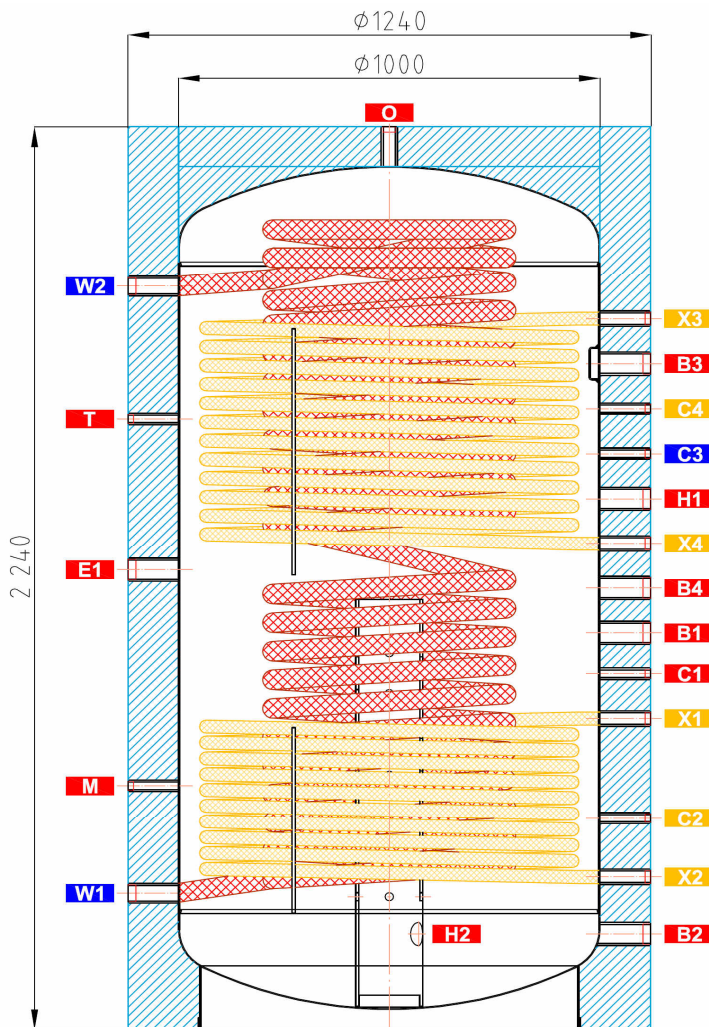
## Solar heat exchanger pressure drop



**HSK 1500 Thermal Store**

**Dimensions**

Tipping height without insulation 2290 mm.



**TAPPINGS**

pos.	connection	height [mm]
<b>Heat sources</b>		
B1	G 6/4" F	975
B2	G 6/4" F	235
B3	G 6/4" F	1635
B4	G 6/4" F	1085
<b>Heating system</b>		
H1	G 6/4" F	1305
H2	G 6/4" F	235
<b>El . heating elements</b>		
E1	G 6/4" F	1130
<b>Air release</b>		
O	G 1" F	2240
<b>Control and safety</b>		
T	G 1/2" F	1500
M	G 1/2" F	600
C1	G 1/2" F	875
C2	G 1/2" F	520
C3	G 1/2" F	1415
C4	G 1/2" F	1525
C5	-	-
<b>DHW heating</b>		
W1	G 5/4" F	335
W2	G 5/4" F	1885
<b>Solar thermal system</b>		
X1	G 1" F	765
X2	G 1" F	375
X3	G 1" F	1745
X4	G 1" F	1195