

**DUO 750/200 P Thermal store with immersed DHW tank**

Main features	
Application	storage of thermal energy for DHW and space heating
Description	combination Thermal Store with immersed DHW tank; a tight separating sheet increases seasonal performance factor of a heat pump
Working fluid	water, water/glycol mixture (max. 1:1) or water/glycerine mixture (max. 2:1) (thermal store), water (immersed DHW tank)



Code	
Thermal store	<b>14274</b>
Insulation	<b>16304</b>

Energy Efficiency Data (as per EC Regulation No. 812/2013)	
	<b>DUO 750/200 P with insulation</b>
Energy efficiency class	N/A
Standing loss	120 W
Storage volume	748 l

Technical data	
Total volume	748 l
Fluid volume in thermal store	558 l
Immersed DHW tank volume	190 l
Max. working temp. in thermal store	95 °C
Max. working temp. in DHW tank	95 °C
Max. working pressure in thermal store	3 bar
Max. working pressure in DHW tank	6 bar

Materials	
Thermal store material	S235JR
DHW tank material	DC01EK

Insulation materials	
Tank perimeter insulation	fleece
Perimeter insulation's outer surface	PU leather
Top and bottom tank insulation	fleece

Dimensions, tipping height, insulation thickness, weight	
Tank diameter	750 mm
Tank diameter with insulation	950 mm
Tank overall height	1980 mm
Tipping height without insulation	2040 mm
Tank perimeter insulation thickness	100 mm
Bottom insulation thickness	50 mm
Top insulations thickness	120 mm
Empty weight without insulation	153 kg

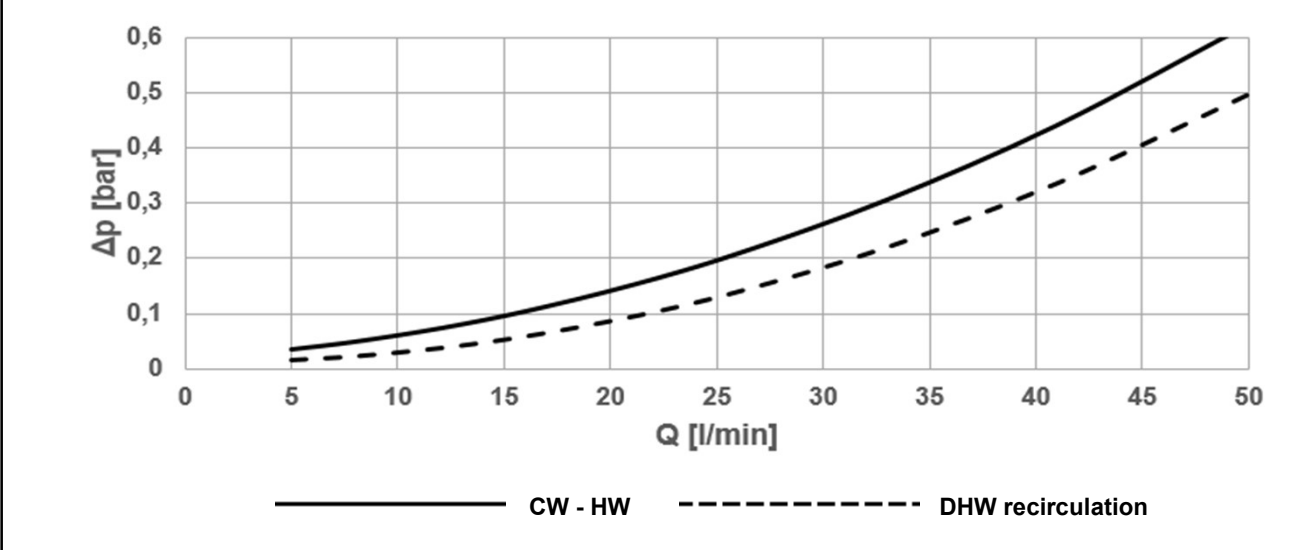
Accessories	
El. heating elements	models ETT-C, F, L, M
Heating elements max. lenght / output	4 x 650 mm / 4 x 7,5 kW
Pump station	solar, S1 and S2 models
Plate heat exchangers	kits with DV and accessories for connection to a solar pump station
Electronic anode rod	code 13 793
Expansion vessel (drinking water)	model HW 8 l and bigger

Spare parts	
Magnesium anode rod	code 13 959

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Volume of supplied DHW (heated from 10 °C to 40 °C)												
Heated volume	entire			entire			entire			above baffle		
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]	517	400	303	447	353	321	1010	878	652	200	179	135

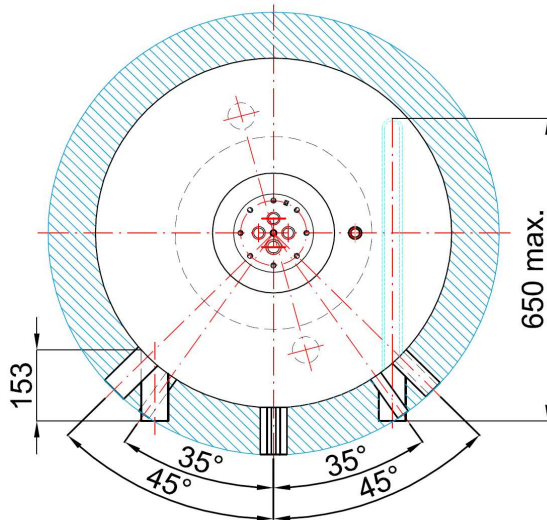
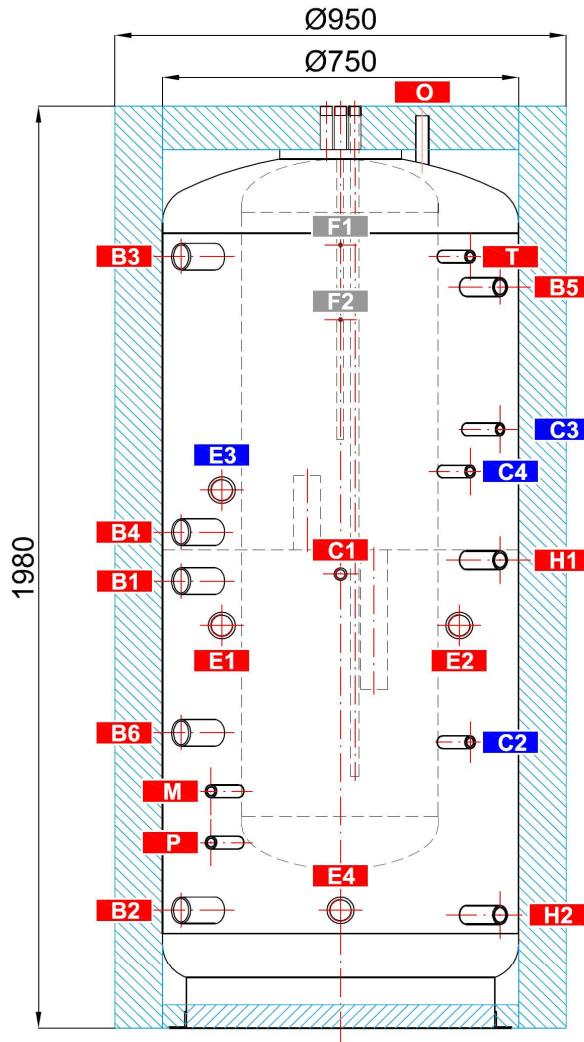
**Pressure drop vs. flow rate graph**



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**Dimensions**

Tipping height without insulation 2040 mm.



**TAPPINGS**

pos.	connection	height [mm]
<b>Heat sources</b>		
B1	G 6/4" F	960
B2	G 6/4" F	255
B3	G 6/4" F	1655
B4	G 6/4" F	1065
B5	G 1" F	1590
B6	G 6/4" F	635
<b>Heating system</b>		
H1	G 1" F	1005
H2	G 1" F	245
<b>Electric immersion heaters</b>		
E1	G 6/4" F	1055
E2	G 6/4" F	1055
E3	G 6/4" F	1295
E4	G 6/4" F	335
<b>DHW heating</b>		
W1	G 3/4" M	1980
W2	G 3/4" M	1980
W3	G 3/4" M	1980
N	G 3/4" F	1880
<b>Control and safety</b>		
C1	G 1/2" F	975
C2	G 1/2" F	615
C3	G 1/2" F	1285
C4	G 1/2" F	1195
C5	Ø 10,5 mm	1980
T	G 1/2" F	1655
M	G 1/2" F	510
P	G 1/2" F	400
<b>Air release</b>		
O	G 1/2" F	1960
<b>Pump station support</b>		
F1	M 6	1680
F2	M 6	1520

**UPPER FLANGE DETAIL**

