

DUO 1000/200 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)



DUO 1000/200 P with insulation



Code	
Thermal store	14266
Insulation	16256

Energy Efficiency Data (as per EC Regulation No. 812/2013)	
	DUO 1000/200 P with insulation
Energy efficiency class	N/A
Standing loss	133 W
Storage volume	917 l

Technical data	
Total volume	917 l
Fluid volume in thermal store	727 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	800 mm
Tank diameter with insulation	1000 mm
Tank overall height	2080 mm
Tipping height without insulation	2120 mm
Tank perimeter insulation thickness	100 mm
Bottom insulation thickness	50 mm
Top insulations thickness	120 mm
Empty weight without insulation	162 kg

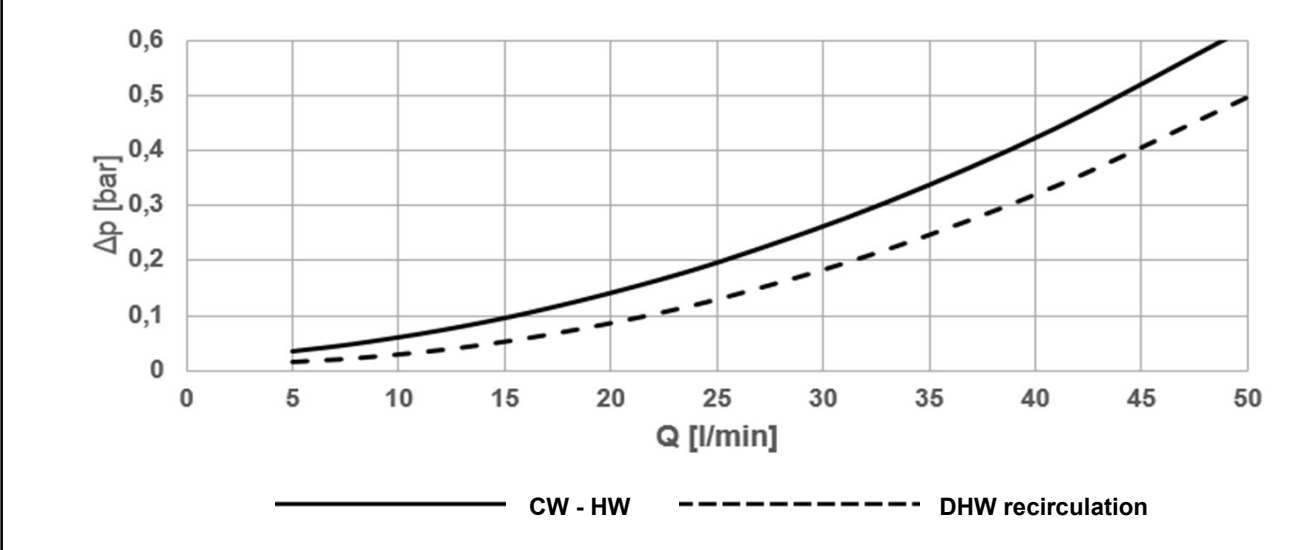
Accessories	
El. heating elements	models ETT-C, F, L, M
Heating elements max. lenght / output	4 x 720 mm / 4 x 8,2 kW
Pump station	solar, S1 and S2 models
Plate heat exchangers	kits with DV and accessories for connection to a solar pump station
Electronic anode rod	code 13 793
Expansion vessel (drinking 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]	716	426	316	518	409	320	1117	958	742	194	180	138

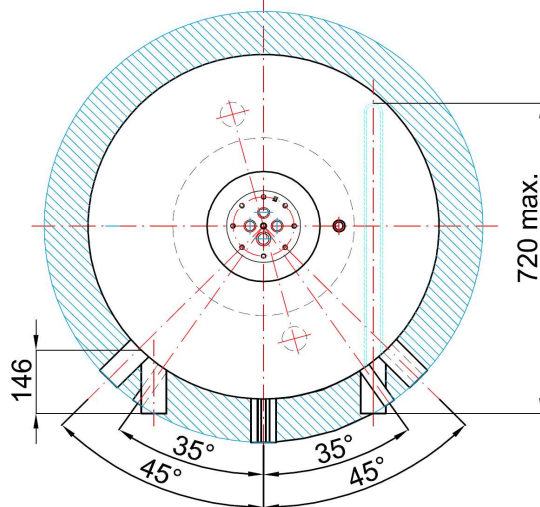
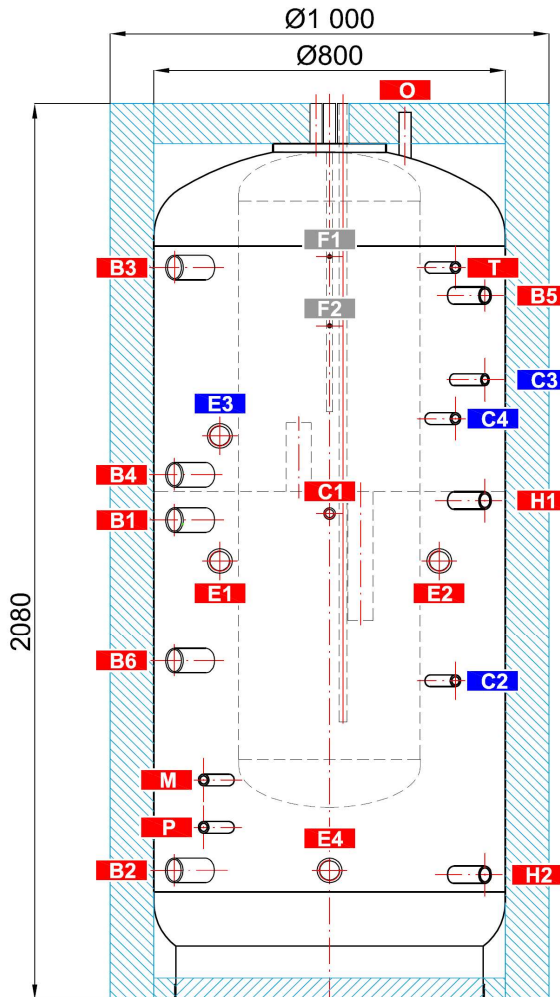
Pressure drop vs. flow rate graph



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Dimensions

Tipping height without insulation 2120 mm.



TAPPINGS

pos.	connection	height [mm]
Heat sources		
B1	G 6/4" F	1115
B2	G 6/4" F	300
B3	G 6/4" F	1700
B4	G 6/4" F	1220
B5	G 1" F	1635
B6	G 6/4" F	785
Heating system		
H1	G 1" F	1160
H2	G 1" F	290
Electric immersion heaters		
E1	G 6/4" F	1055
E2	G 6/4" F	1055
E3	G 6/4" F	1295
E4	G 6/4" F	335
DHW heating		
W1	G 3/4" M	2080
W2	G 3/4" M	2080
W3	G 3/4" M	2080
N	G 3/4" F	1980
Control and safety		
C1	G 1/2" F	1130
C2	G 1/2" F	740
C3	G 1/2" F	1440
C4	G 1/2" F	1350
C5	Ø 10,5 mm	2080
T	G 1/2" F	1700
M	G 1/2" F	510
P	G 1/2" F	400
Air release		
O	G 1/2" F	2060
Pump station support		
F1	M 6	1725
F2	M 6	1565

UPPER FLANGE DETAIL

