

DUO 1700/200 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 1700/200 P

DUO 1700/200 P with insulation



Code	
Thermal store	14268
Insulation	16292

Energy Efficiency Data (as per EC Regulation No. 812/2013)	
	DUO 1700/200 P with insulation
Energy efficiency class	N/A
Standing loss	179 W
Storage volume	1681 l

Technical data	
Total volume	1681 l
Fluid volume in thermal store	1491 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	1100 mm
Tank diameter with insulation	1300 mm
Tank overall height	2080 mm
Tipping height without insulation	2200 mm
Tank perimeter insulation thickness	100 mm
Bottom insulation thickness	50 mm
Top insulations thickness	120 mm
Empty weight without insulation	231 kg

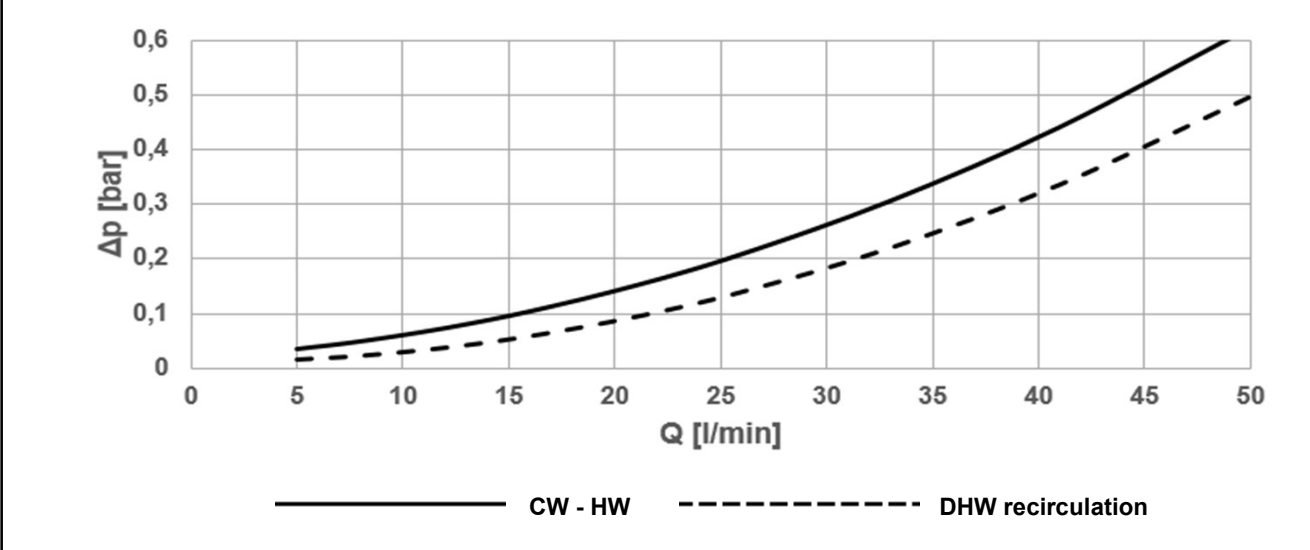
Accessories	
El. heating elements	models ETT-C, F, L, M
Heating elements max. lenght / output	4 x 1050 mm / 4 x 12 kW
Pump station	solar, S1 and S2 models
Plate heat exchangers	kits with DV and accessories for connection to a solar pump station
Electronic anode rod	code 13 793
Expansion vessel (drinking 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]	1214	552	348	762	424	323	1572	1200	744	207	182	137

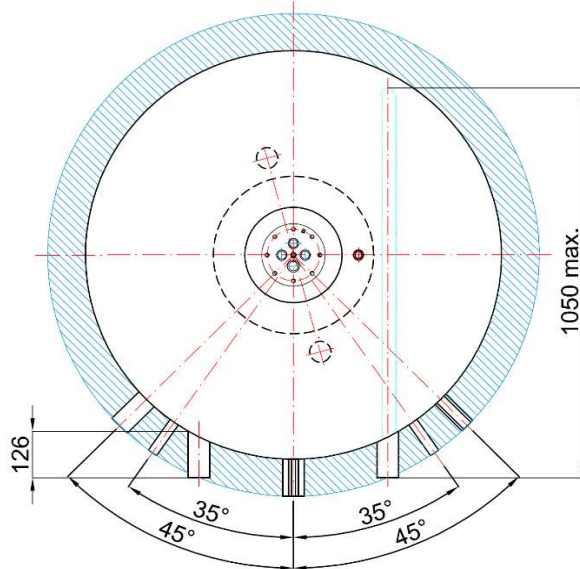
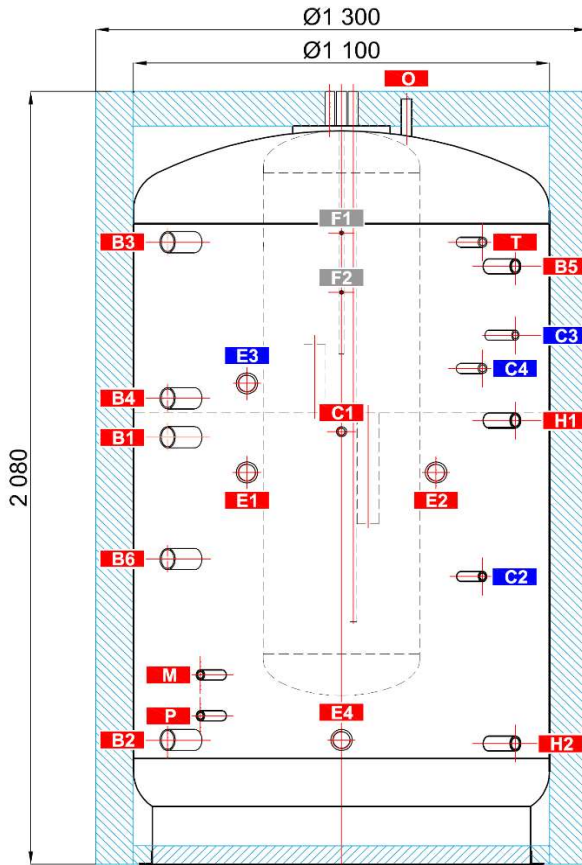
Pressure drop vs. flow rate graph



DUO 1700/200 P Thermal store with immersed DHW tank

Dimensions

Tipping height without insulation 2200 mm.



TAPPINGS

pos.	connection	height [mm]
Heat sources		
B1	G 6/4" F	1150
B2	G 6/4" F	335
B3	G 6/4" F	1675
B4	G 6/4" F	1255
B5	G 1" F	1610
B6	G 6/4" F	820
Heating system		
H1	G 1" F	1195
H2	G 1" F	325
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	1165
C2	G 1/2" F	775
C3	G 1/2" F	1425
C4	G 1/2" F	1335
C5	Ø 10,5 mm	2080
T	G 1/2" F	1675
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	1700
F2	M 6	1540

UPPER FLANGE DETAIL

