

DUO 1000/200 Thermal store with immersed DHW tank
DUO 1000/200

DUO 1000/200 with insulation

Main features

Application	storage of thermal energy for DHW and space heating
Description	combination Thermal Store with immersed DHW tank
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	14 210
Insulation	16 255

Energy Efficiency Data (as per EC Regulation No. 812/2013)

	DUO 1000/200 with insulation
Energy efficiency class	N/A
Standing loss	129 W
Storage volume	918 l

Technical data

Total volume	918 l
Fluid volume in thermal store	728 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	148 kg

Accessories

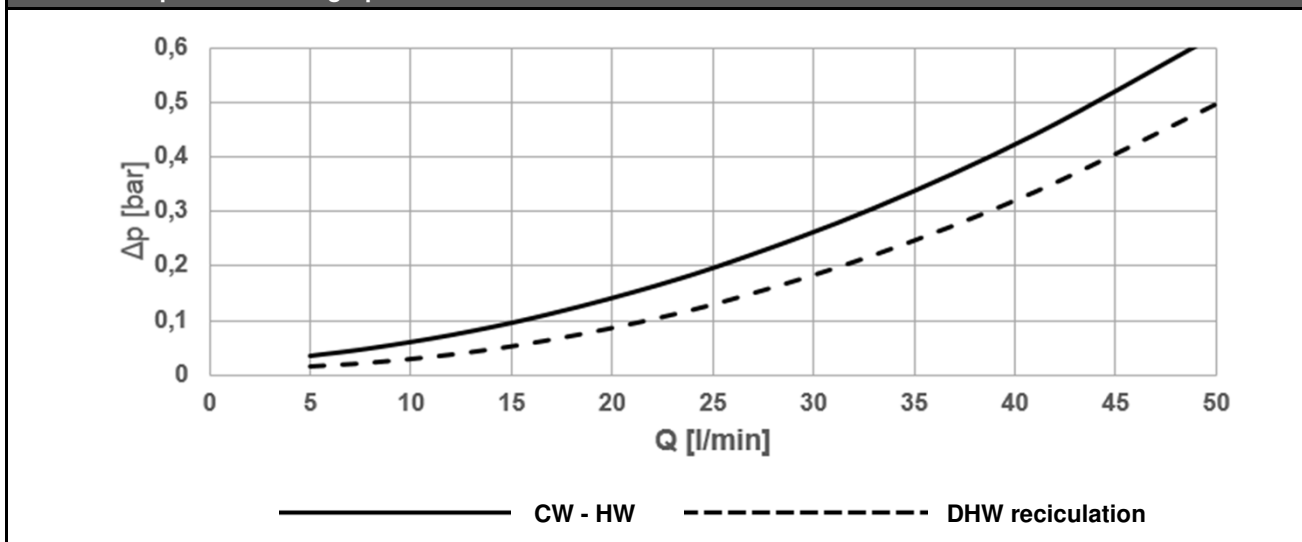
El. heating elements	models ETT-C, L, M
Heating elements max. lenght / output	3 x 720 mm / 3 x 8,2 kW
Pump station	solar, S1 and S2 models
Plate heat exchangers	kits with DV and accessories for connection to a solar pump station
Electronic anode rod	code 13 793
Expansion vessel (drinking water)	model HW 8 l and bigger

Spare parts

Magnesium anode rod	code 13 959
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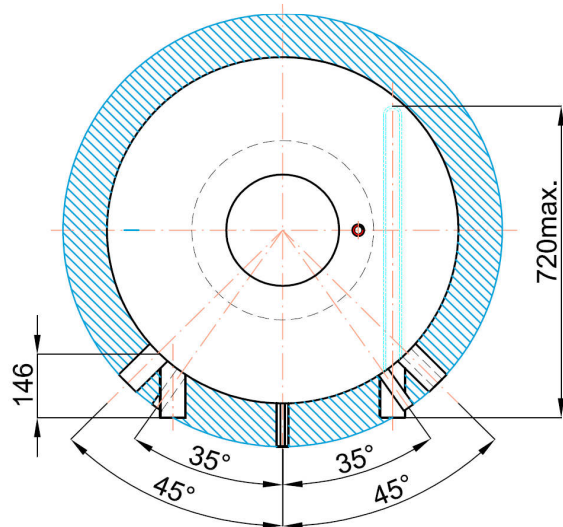
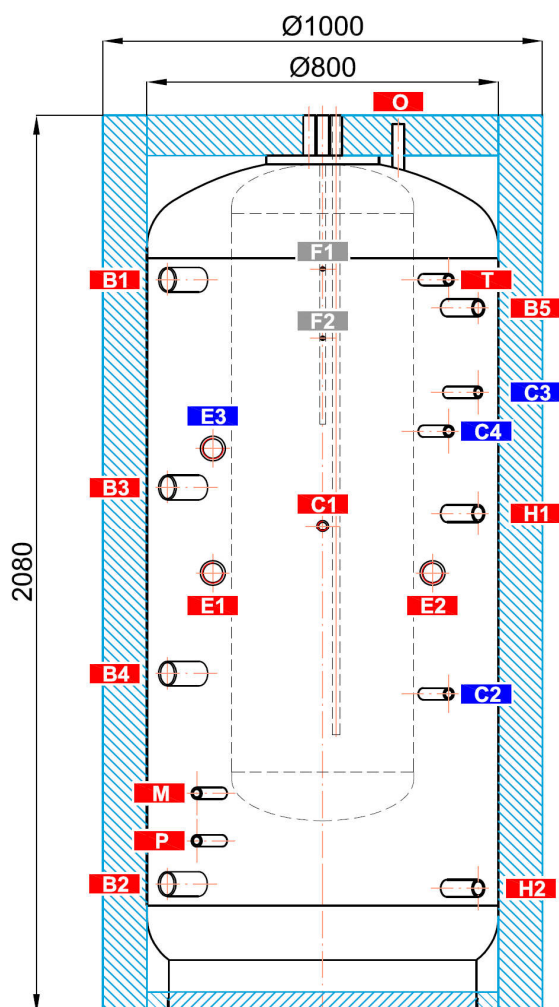
Volume of supplied DHW (heated from 10 °C to 40 °C)									
Heated volume	entire			entire			entire		
Temperature in tank	60 °C			60 °C			80 °C		
Backup heater	10 kW			none			none		
Flow rate [l/min]	8	12	20	8	12	20	8	12	20
Hot water volume [l]	716	426	316	518	409	320	1117	958	742

Pressure drop vs. flow rate graph


DUO 1000/200 Thermal store with immersed DHW tank

Dimensions

Tipping height without insulation 2120 mm.



TAPPINGS

pos.	connection	height [mm]
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Heat sources

B1	G 6/4" F	1700
B2	G 6/4" F	300
B3	G 6/4" F	1220
B4	G 1" F	785
B5	G 1" F	1635

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

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
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Pump station support

F1	M 6	1725
F2	M 6	1565

UPPER FLANGE DETAIL

