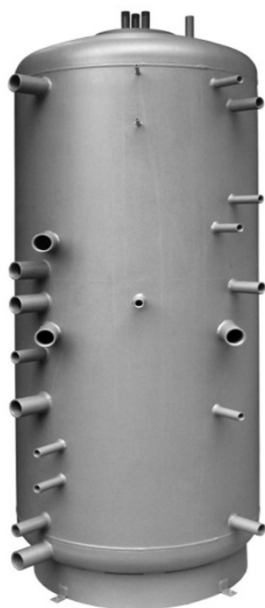


DUO 750/200 PR Thermal store with immersed DHW tank

Main features	
Application	storage of thermal energy for DHW and space heating
Description	combination Thermal Store with immersed DHW tank and integrated solar heat exchanger, with a tight separating metal sheet that increases the COP of the heat pump and efficiency of the solar thermal system
Working fluid	water, water/glycol mixture (max. 1:1) or water/glycerine mixture (max. 2:1) (thermal store), water (immersed DHW tank)

DUO 750/200 PR



Code	
Thermal store	14 222
Insulation	16 305

Energy Efficiency Data (as per EC Regulation No. 812/2013)	
	DUO 750/200 PR with insulation
Energy efficiency class	N/A
Standing loss	119 W
Storage volume	728 l

Technical data	
Total volume	743 l
Fluid volume in thermal store	538 l
Immersed DHW tank volume	190 l
Heat exchanger (HE) volume	15 l
Heat exchanger surface area	2,5 m ²
Max. working temp. in thermal store	95 °C
Max. working temp. in DHW tank	95 °C
Max. working temp. in HE	95 °C
Max. working pressure in thermal store	3 bar
Max. working pressure in DHW tank	6 bar
Max. working pressure in HE	10 bar

Materials	
Thermal store material	S235JR
DHW tank material	DC01EK
Heat exchanger material	S235JR+N

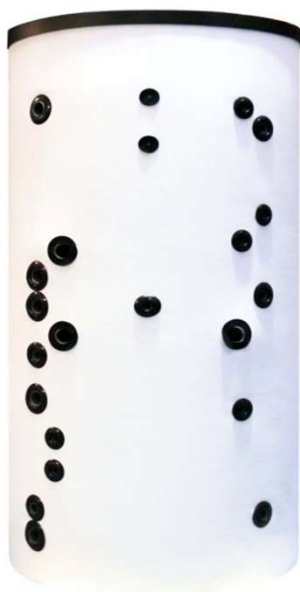
Insulation materials	
Tank perimeter insulation	fleece
Perimeter insulation's outer surface	PU leather
Top and bottom tank insulation	fleece

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	187 kg

Accessories	
El. heating elements	models ETT-C, F, L, M
Heating elements max. length / output	3 x 650 mm / 3 x 7,5 kW
Pump station	solar, S1 and S2 models
Electronic anode rod	code 13 793
Expansion vessel (drinking water)	model HW 8 l and bigger

Spare parts	
Magnesium anode rod	code 13 959

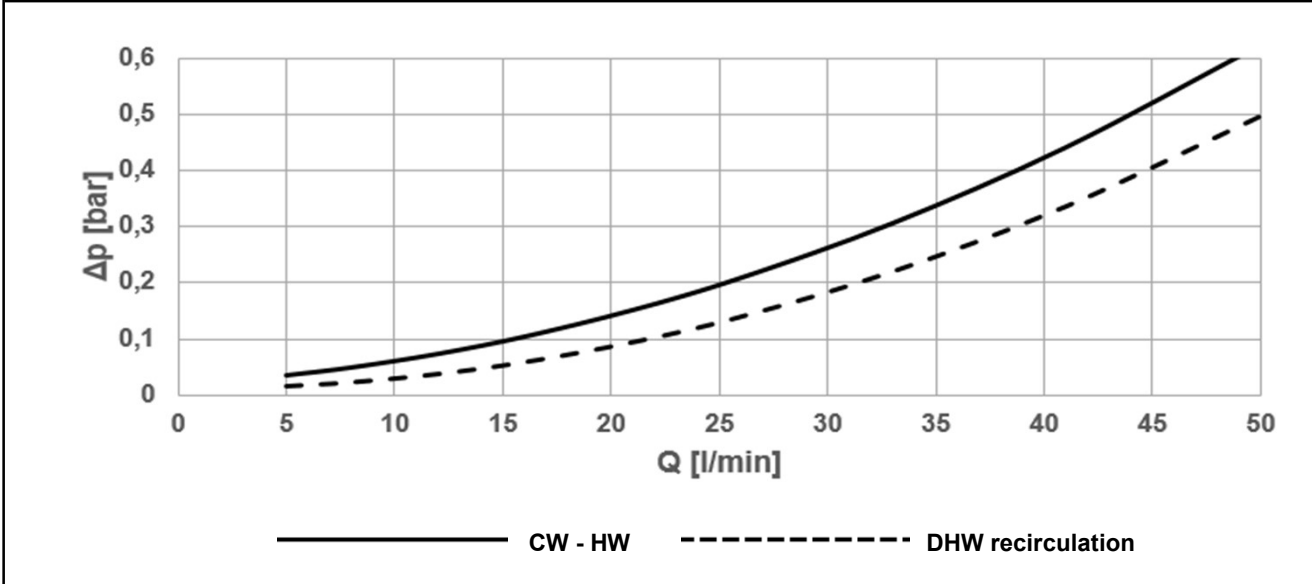
DUO 750/200 PR with insulation



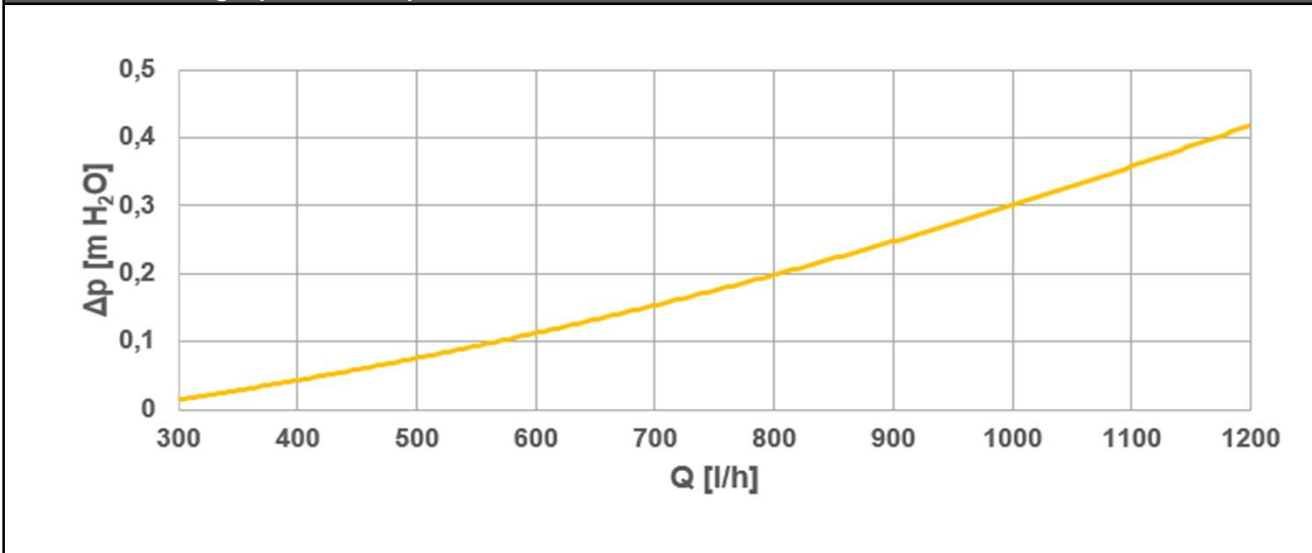
DUO 750/200 PR Thermal store with immersed DHW tank

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



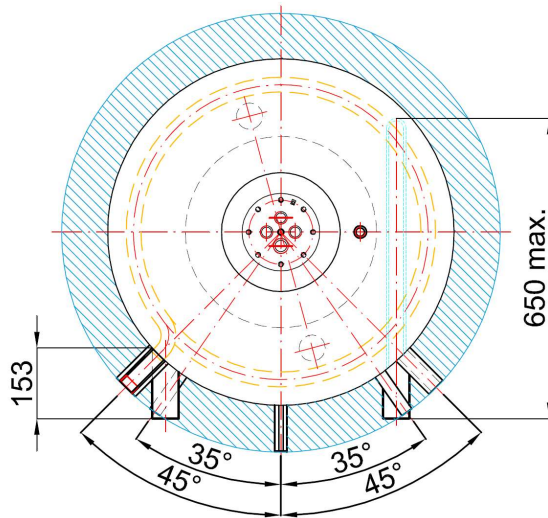
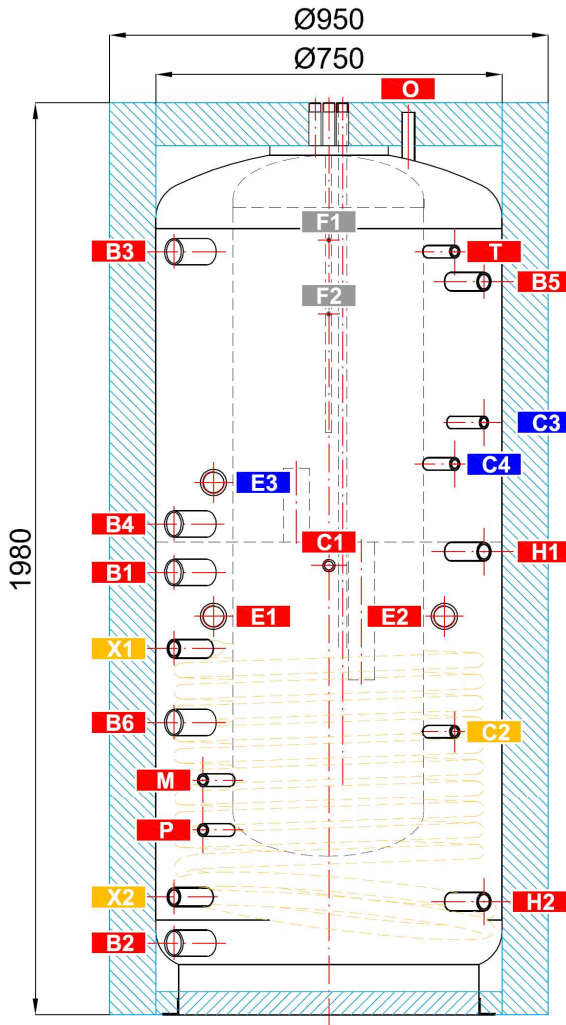
Solar heat exchanger pressure drop



DUO 750/200 PR Thermal store with immersed DHW tank

Dimensions

Tipping height without insulation 2040 mm.



TAPPINGS

pos.	connection	height [mm]
Heat sources		
B1	G 6/4" F	960
B2	G 6/4" F	155
B3	G 6/4" F	1655
B4	G 6/4" F	1065
B5	G 1" F	1590
B6	G 6/4" F	635
Heating system		
H1	G 1" F	1005
H2	G 1" F	245
Solar thermal system		
X1	G 1" F	795
X2	G 1" F	255
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	1980
W2	G 3/4" M	1980
W3	G 3/4" M	1980
N	G 3/4" F	1880
Control and safety		
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
Air release		
O	G 1/2" F	1960
Pump station support		
F1	M 6	1680
F2	M 6	1520

