DATA SHEET

RBC 400 Hot Water Storage Tank

Main features	
Application	Hot water tank intended for DHW heating, with integrated enamelled heat exchanger. It comes fitted with insulation and a magnesium anode rod that protects its inner surface from corrosion. As an option, an electronic anode rod can be installed instead of the magnesium one, for the codes see the Accessories table. If desired, an electric heating element can be installed into the hot water tank.
Working fluid	water (tank), water, water/glycol mixture (max. 1:1) or water/glycerine (max. 2:1) (heat exchanger)
Code	**6479**

Energy Efficiency Data (as per EC Regulation No. 812/2013)	
Energy efficiency class	C
Standing loss	96 W
Storage volume	396 l

Technical data	
Total tank volume	408 l
Fluid volume in tank	396 l
Heat exchanger (HE) volume	12 l
Heat exchanger surface area	1,9 m²
Max. working temperature in tank	95 °C
Max. working temperature in HE	110 °C
Max. working pressure in tank	10 bar
Max. working pressure in HE	10 bar
Tank diameter	600 mm
Tank diameter with insulation	710 mm
Tank overall height	1655 mm
Tipping height	1810 mm
Empty weight	131 kg

Hot water heating from 10 °C to 45 °C at heating water inlet temp. of 60 °C	
Heat exchanger	740 l/h (30 kW)

Materials	
Tank material	S235JR, inner surface enamelled (DIN 4753-3)
Heat exchanger material	S235JR+N, outer surface enamelled (DIN 4753-3)
Tank perimeter insulation	PU foam (hard)
Insulation‘s outer surface	PVC

Accessories	
El. heating element	models ETT-A, D, F, P, M
Heating elem. max. length	585 mm
Electronic anode rod	code17368
Flange including anodes	code 17432

Spare parts (magnesium anode rods)	
Mg anode r. (A1), G 5/4"	code 4025
Mg anode r. – into flange (A2,3), G 5/4"	code 4025

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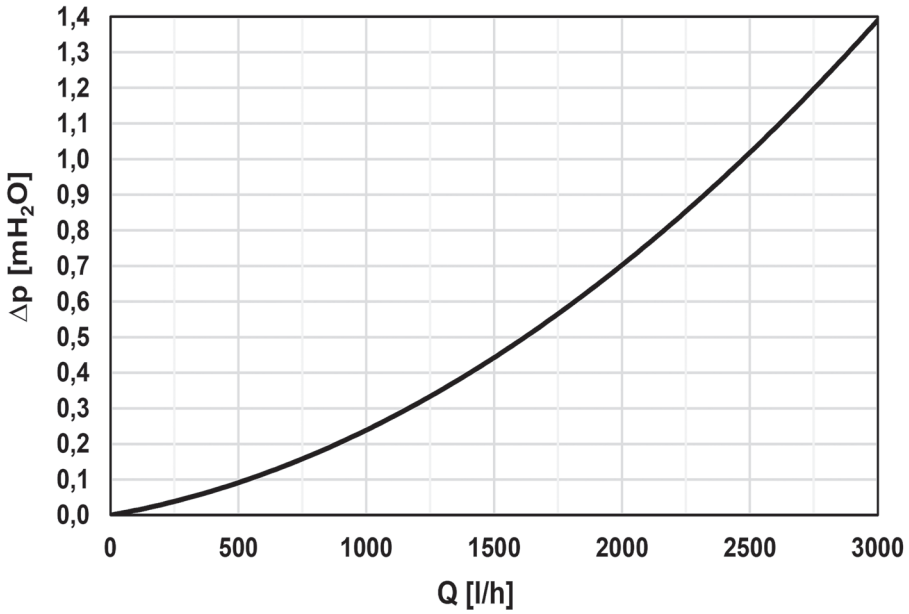
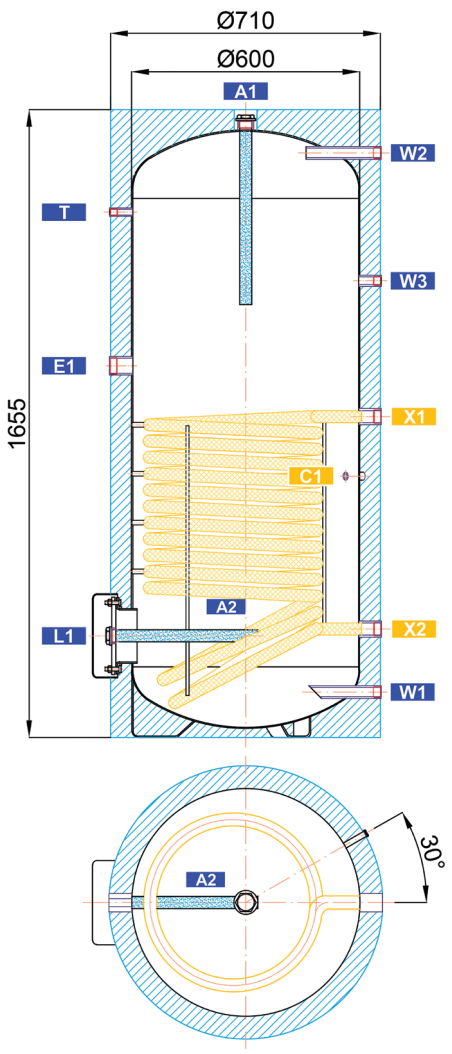
Heat exchanger pressure drop



Dimensions

pos.	description	connection	height [mm]
DHW heating			
W1	cold water	G 1" F	79
W2	hot water	G 1" F	1541
W3	recirculation	G 3/4" F	1204
Auxiliary heat source			
E1	electric heating element	G 6/4" F	980
Control and safety			
C1	temperature sensor	G 1/2" F	689
T	thermometer	G 1/2" F	1385
Heat sources			
X1	supply from heat source	G 5/4" F	874
X2	return to heat source	G 5/4" F	314
Others			
L1	flange	8 x M10	268
A1	magnesium anode rod	G 5/4" F	1656
A2	magnesium anode rod	G 5/4" F	268



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