

RBC 1000 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	4038

Energy Efficiency Data (as per EC Regulation No. 812/2013)	
Energy efficiency class	N/A
Standing loss	121 W
Storage volume	868 l

Technical data	
Total tank volume	887 l
Fluid volume in tank	868 l
Heat exchanger (HE) volume	19 l
Heat exchanger surface area	3,5 m ²
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	790 mm
Tank diameter with insulation	950 mm
Tank overall height	2120 mm
Tipping height	2330 mm
Empty weight	262 kg

Hot water heating from 10 °C to 45 °C at heating water inlet temp. of 60 °C	
Heat exchanger	1380 l/h (56 kW)

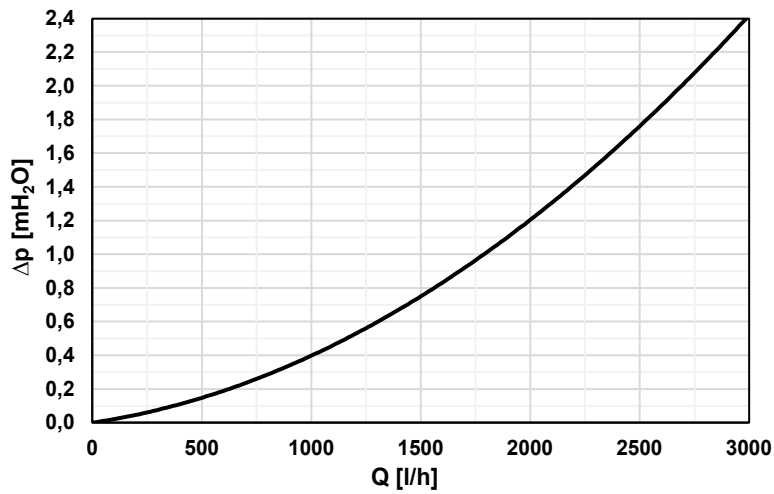
Materials	
Tank material	S235JR, inner surface enamelled (DIN 4756)
Heat exchanger material	S235JR+N, outer surface enamelled (DIN 4756)
Tank perimeter insulation	PU foam (hard)
Insulation's outer surface	PVC / ABS

Accessories	
El. heating element	models ETT-A, D, F, G, M
Heating elem. max. length / output	815 mm / 12,0 kW
Electronic anode rod	code 17369
Flange including anodes	code 17433

Spare parts (magnesium anode rods)	
Mg anode r. (A1), G 5/4"	code 3698
Mg anode r. - into flange (A2,3), G 5/4"	code 448
Mg anode r. - chain type, G 5/4"	code 13112

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Heat exchanger pressure drop



Dimensions

pos.	description	connection	height [mm]
DHW heating			
W1	cold water	G 5/4" F	220
W2	hot water	G 5/4" F	1840
W3	recirculation	G 1" F	1545
Auxiliary heat source			
E1	electric heating element	G 6/4" F	1050
Control and safety			
C1	temperature sensor	G 1/2" F	870
T	thermometer	G 1/2" F	1680
Heat sources			
X1	supply from solar thermal collectors	G 5/4" F	970
X2	return to solar thermal collectors	G 5/4" F	385
Others			
L1	flange	8 x M10	400
A1	magnesium anode rod	G 5/4" F	2045
A2	magnesium anode rod	G 5/4" F	400

