

DATA SHEET

RBC 750 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	4037

Energy Efficiency Data (as per EC Regulation No. 812/2013)	
Energy efficiency class	N/A
Standing loss	113 W
Storage volume	748 l

Technical data	
Total tank volume	767 l
Fluid volume in tank	748 l
Heat exchanger (HE) volume	19 l
Heat exchanger surface area	3,4 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	1870 mm
Tipping height	2100 mm
Empty weight	240 kg

Hot water heating from 10 °C to 45 °C at heating water inlet temp. of 60 °C	
Heat exchanger	1340 l/h (54 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

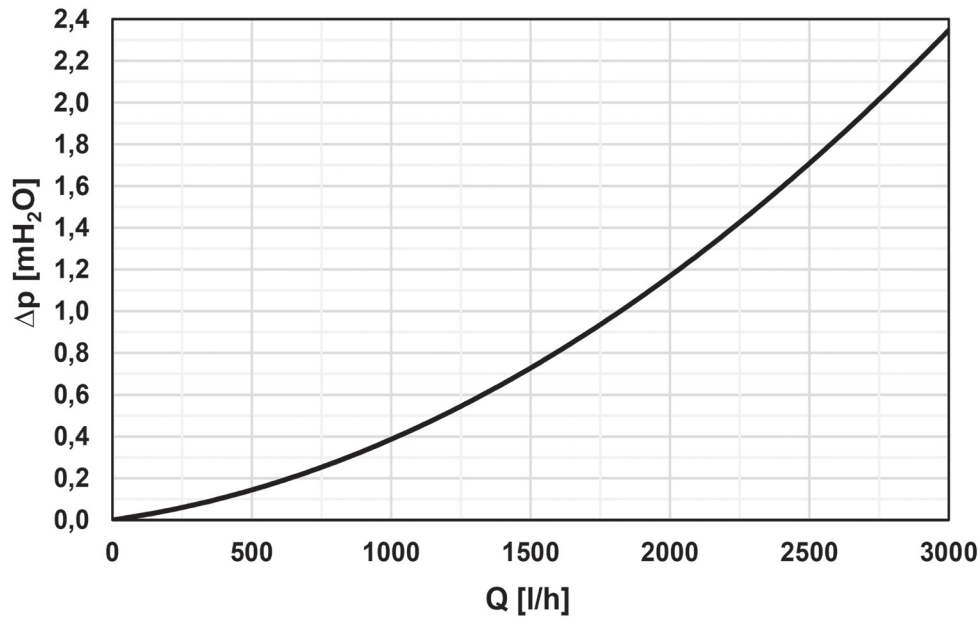
Accessories	
El. heating element	models ETT-A, D, F, P, M
Heating elem. max. length	815 mm
Electronic anode rod	code 17369
Flange including anodes	code 17433

Spare parts (magnesium anode rods)	
Mg anode r. (A1), G 5/4"	code 464
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	1590
W3	recirculation	G 1" F	1350
Auxiliary heat source			
E1	electric heating element	G 6/4" F	1050
Control and safety			
C1	temperature sensor	G 1/2" F	775
T	thermometer	G 1/2" F	1430
Heat sources			
X1	supply from heat source	G 5/4" F	970
X2	return to heat source	G 5/4" F	385
Others			
L1	flange	8 x M10	400
A1	magnesium anode rod	G 5/4" F	1790
A2	magnesium anode rod	G 5/4" F	400

