

DATA SHEET

RBC 750 HP Hot Water Storage Tank



Main features	
Application	Hot water tank intended for DHW heating, with 1 upsized 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 mixture (max. 2:1) (heat exchanger)
Code	10537

Energy Efficiency Data (as per EC Regulation No. 812/2013)	
Energy efficiency class	N/A
Standing loss	119 W
Storage volume	716 l

Technical data	
Total tank volume	764 l
Fluid volume in tank	716 l
Heat exchanger (HE) volume	48 l
Heat exchanger surface area	7.5 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	1785 mm
Tipping height	2100 mm
Empty weight	290 kg

Hot water heating from 10 °C to 45 °C at heating water inlet temperature 60 °C	
Heat exchanger	2350 l/h (95 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

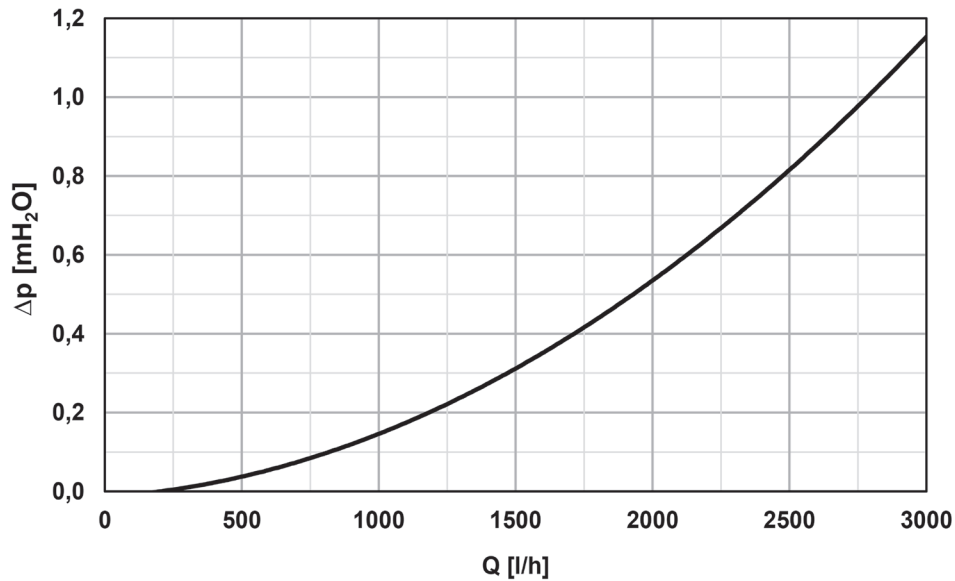
Accessories	
El. heating element	models ETT-A, D, F, P, M
Heating elem. max. length	815 mm
Electronic anode rod	code 17377
Electronic anode rod with flange	code 17428

Spare parts (magnesium anode rods)	
Mg anode rod (A3), G 5/4"	code 3698
Mg anode rod (A1), G 5/4"	code 4025
Mg anode rod with flange (A2), G 5/4"	code 4025
Mg anode rod – 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	1140
Auxiliary heat source			
E1	electric heating element	G 6/4" F	1300
Control and safety			
C1	temperature sensor – upper	G 1/2" F	775
T	temperature indicator	G 1/2" F	1450
Heat sources			
X1	supply from heat source	G 6/4" F	1250
X2	return to heat source	G 6/4" F	370
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
A3	magnesium anode rod	G 5/4" F	1790

