

DATA SHEET

RBC 400 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	10536

Energy Efficiency Data (as per EC Regulation No. 812/2013)	
Energy efficiency class	C
Standing loss	101 W
Storage volume	376 l

Technical data	
Total tank volume	407 l
Fluid volume in tank	376 l
Heat exchanger (HE) volume	31 l
Heat exchanger surface area	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	600 mm
Tank diameter with insulation	710 mm
Tank overall height	1655 mm
Tipping height	1810 mm
Empty weight	187 kg

Hot water heating from 10 °C to 45 °C at heating water inlet temperature 60 °C	
Heat exchanger	1580 l/h (64 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

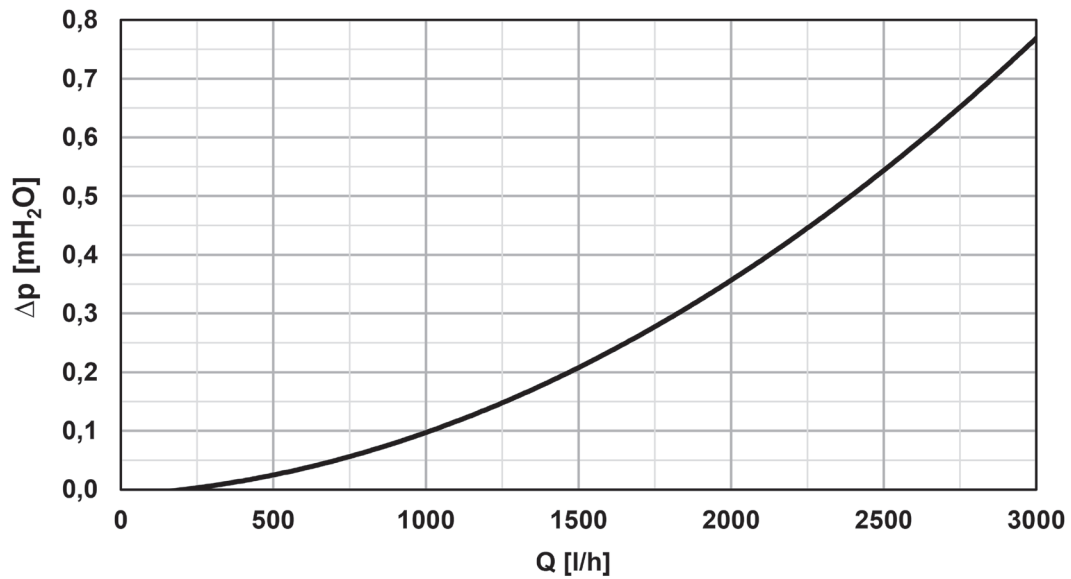
Accessories	
El. heating element	models ETT-A, D, F, P, M
Heating elem. max. length	585 mm
Electronic anode rod	code 17376
Electronic anode rod with flange	code 17434

Spare parts (magnesium anode rods)	
Mg anode rod (A3), G 5/4"	code 3698
Mg anode rod with flange (A2), 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	1205
Auxiliary heat source			
E1	electric heating element	G 6/4" F	1165
Control and safety			
C1	temperature sensor – upper	G 1/2" F	690
T	temperature indicator	G 1/2" F	1385
Heat sources			
X1	supply from heat source	G 5/4" F	1100
X2	return to heat source	G 5/4" F	250
Others			
L1	flange	8 x M10	280
A2	magnesium anode rod	G 5/4" F	280
A3	magnesium anode rod	G 5/4" F	1620

