

DATA SHEET

RBC 1000 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	7883

Energy Efficiency Data (as per EC Regulation No. 812/2013)	
Energy efficiency class	N/A
Standing loss	123 W
Storage volume	820 l

Technical data	
Total tank volume	884 l
Fluid volume in tank	820 l
Heat exchanger (HE) volume	64 l
Heat exchanger surface area	10 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	320 kg

Hot water heating from 10 °C to 45 °C at heating water inlet temperature 60 °C	
Heat exchanger	3140 l/h (217 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

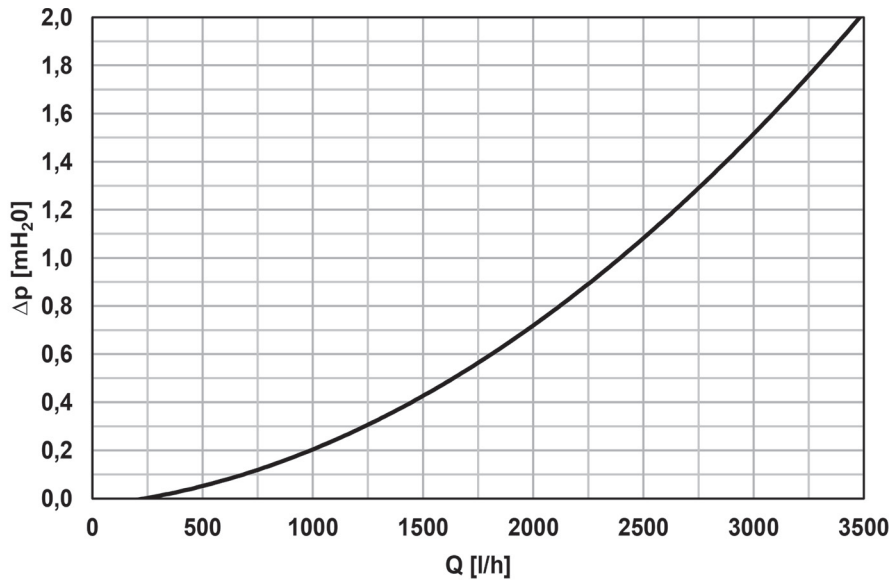
Accessories	
Electronic anode rod	code 17377
Electronic anode rod with flange	code 17428

Spare parts (magnesium anode rods)	
Mg anode rod (A1, A3), G 5/4"	code 3698
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	1840
W3	recirculation	G 1" F	1235
Control and safety			
C1	temperature sensor – upper	G 1/2" F	1193
C2	temperature sensor – lower	G 1/2" F	542
T	temperature indicator	G 1/2" F	1730
Heat sources			
X1	supply from heat source	G 6/4" F	1695
X2	return to heat source	G 6/4" F	345
Others			
L1	flange	8 x M10	400
A1	magnesium anode rod	G 5/4" F	2040
A2	magnesium anode rod	G 5/4" F	400
A3	magnesium anode rod	G 5/4" F	2040

