

DATA SHEET

R2BC 1000 Hot Water Storage Tank



Main features	
Description	Hot water tank intended for DHW heating, with 2 integrated enamelled heat exchangers. 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 or water/glycol mixture (max. 1:1) (heat exchanger)
Code	5758

Energy Efficiency Data (as per EC Regulation No. 812/2013)	
Energy efficiency class	N/A
Standing loss	121 W
Storage volume	853 l

Technical data	
Total tank volume	883 l
Fluid volume in tank	853 l
Upper heat exchanger (HE) volume	15 l
Lower heat exchanger volume	15 l
Upper heat exchanger surface area	2,5 m ²
Lower heat exchanger surface area	2,5 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	285 kg

Hot water heating from 10 °C to 45 °C at heating water temperature 60 °C	
Upper heat exchanger	990 l/h (40 kW)
Lower heat exchanger	990 l/h (40 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

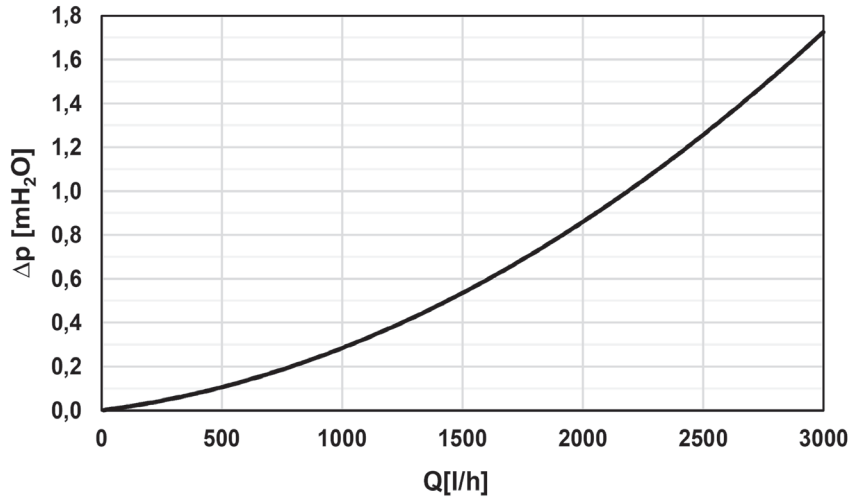
Accessories	
El. heating element	models ETT-A, D, F, P, M
Heating element max. length	815 mm
Electronic anode rod	code 17369
Electronic anode rod with flange	code 17433

Spare parts (magnesium anode rods)	
Mg anode rod A1 (G 5/4")	code 3698
Mg anode rod (G 3/4") with flange and gasket	code 448
Mg anode rod – chain type (G 5/4")	code 13112

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Heat exchanger pressure drop



applies to upper and lower heat exchanger

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
Auxiliary heat source			
E1	electric heating element	G 6/4" F	890
Control and safety			
C1	temperature sensor – upper	G 1/2" F	1235
C2	temperature sensor – lower	G 1/2" F	685
T	temperature indicator	G 1/2" F	1680
Heat sources			
X1	supply from heat source	G 5/4" F	1440
X2	return to heat source	G 5/4" F	990
X3	supply from heat source	G 5/4" F	835
X4	return to heat source	G 5/4" F	385
Others			
L1	flange	8 x M10	400
A1	magnesium anode rod	G 5/4" F	2095
A2	magnesium anode rod	G 5/4" F	400

