

DATA SHEET

R2BC 2000 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	16713

Energy Efficiency Data (as per EC Regulation No. 812/2013)	
Energy efficiency class	N/A
Standing loss	182 W
Storage volume	1959 l

Technical data	
Total tank volume	2007 l
Fluid volume in tank	1959 l
Upper heat exchanger (HE) volume	19 l
Lower heat exchanger volume	29 l
Upper heat exchanger surface area	3,0 m ²
Lower heat exchanger surface area	4,5 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	1100 mm
Tank diameter with insulation	1300 mm
Tank overall height	2550 mm
Tipping height	2870 mm
Empty weight	505 kg

Hot water heating from 10 °C to 45 °C at heating water temperature 60 °C	
Upper heat exchanger	1190 l/h (48 kW)
Lower heat exchanger	1780 l/h (72 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	fleece
Insulation's outer surface	PVC

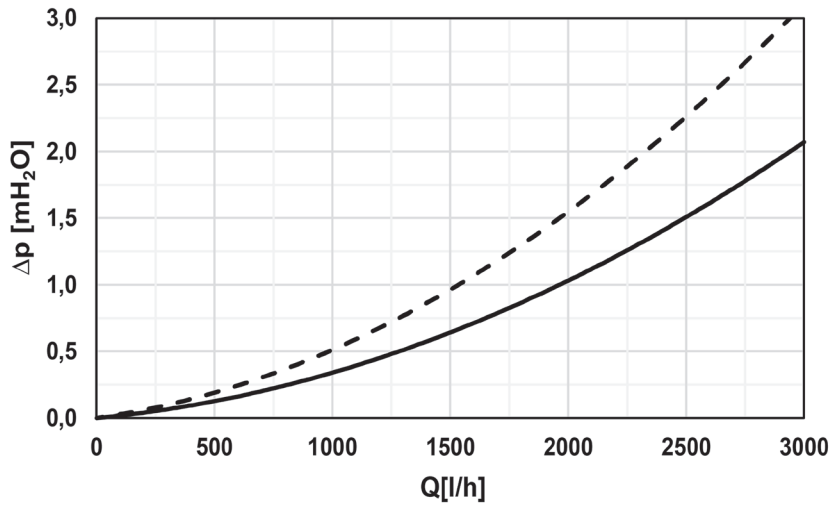
Accessories	
El. heating element	models ETT-A, D, F, P, M
Heating element max. length	815 mm
Electronic anode rod	code 14429
Electronic anode rod with flange	code 17435

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 464
Mg anode rod – chain type (G 5/4")	code 13112

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Heat exchanger pressure drop



lower heat exchanger
 upper heat exchanger

Dimensions

pos.	description	connection	height [mm]
DHW heating			
W1	cold water	G 2" F	340
W2	hot water	G 2" F	2210
W3	recirculation	G 1" F	1650
Auxiliary heat source			
E1	electric heating element	G 6/4" F	1310
Control and safety			
C1	temperature sensor – upper	G 1/2" F	1650
C2	temperature sensor – lower	G 1/2" F	985
T	temperature indicator	G 1/2" F	2090
Heat sources			
X1	supply from heat source	G 5/4" F	2000
X2	return to heat source	G 5/4" F	1450
X3	supply from heat source	G 5/4" F	1160
X4	return to heat source	G 5/4" F	460
Others			
L1	flange	8 x M10	550
A1	magnesium anode rod	G 5/4" F	2550
A2	magnesium anode rod	G 5/4" F	550

