

DATA SHEET

R2BC 400 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	6483

Energy Efficiency Data (as per EC Regulation No. 812/2013)	
Energy efficiency class	C
Standing loss	96 W
Storage volume	401 l

Technical data	
Total tank volume	420 l
Fluid volume in tank	401 l
Upper heat exchanger (HE) volume	7 l
Lower heat exchanger volume	12 l
Upper heat exchanger surface area	0,9 m ²
Lower heat exchanger surface area	1,9 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	1690 mm
Tipping height	1840 mm
Empty weight	150 kg

Hot water heating from 10 °C to 45 °C at heating water temperature 60 °C	
Upper heat exchanger	350 l/h (14 kW)
Lower heat exchanger	740 l/h (30 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

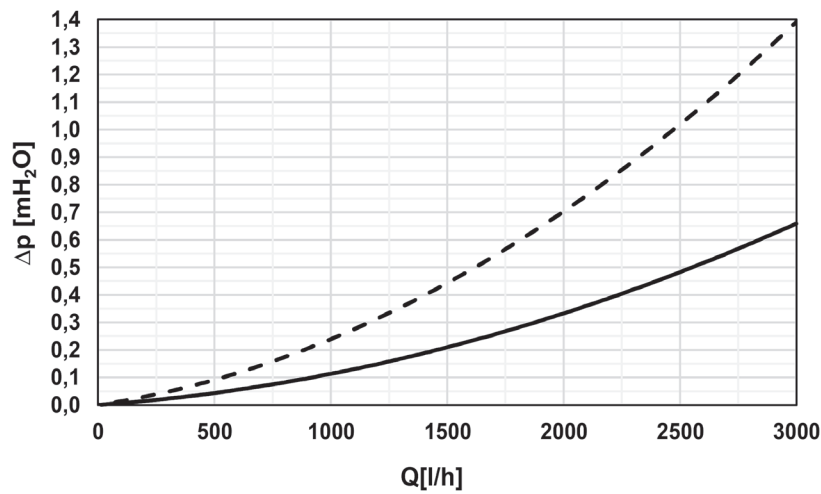
Accessories	
El. heating element	models ETT-A, D, F, P, M
Heating element max. length	585 mm
Electronic anode rod	code 17368
Electronic anode rod with flange	code 17432

Spare parts (magnesium anode rods)	
Mg anode rod A1 (G 5/4")	code 4025
Mg anode rod (G 3/4") with flange and gasket	code 4025

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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 1" F	79
W2	hot water	G 1" F	1581
W3	recirculation	G 3/4" F	1163
Auxiliary heat source			
E1	electric heating element	G 6/4" F	891
Control and safety			
C1	temperature sensor – upper	G 1/2" F	1163
C2	temperature sensor – lower	G 1/2" F	660
T	temperature indicator	G 1/2" F	1411
Heat sources			
X1	supply from heat source	G 5/4" F	1361
X2	return to heat source	G 5/4" F	1011
X3	supply from heat source	G 5/4" F	846
X4	return to heat source	G 5/4" F	286
Others			
L1	flange	8 x M10	268
A1	magnesium anode rod	G 5/4" F	1665
A2	magnesium anode rod	G 5/4" F	268

