

DATA SHEET

R2BC 300 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	6482

Energy Efficiency Data (as per EC Regulation No. 812/2013)	
Energy efficiency class	C
Standing loss	82 W
Storage volume	282 l

Technical data	
Total tank volume	299 l
Fluid volume in tank	282 l
Upper heat exchanger (HE) volume	7 l
Lower heat exchanger volume	10 l
Upper heat exchanger surface area	0,9 m ²
Lower heat exchanger surface area	1,5 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	500 mm
Tank diameter with insulation	610 mm
Tank overall height	1710 mm
Tipping height	1820 mm
Empty weight	124 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	590 l/h (24 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

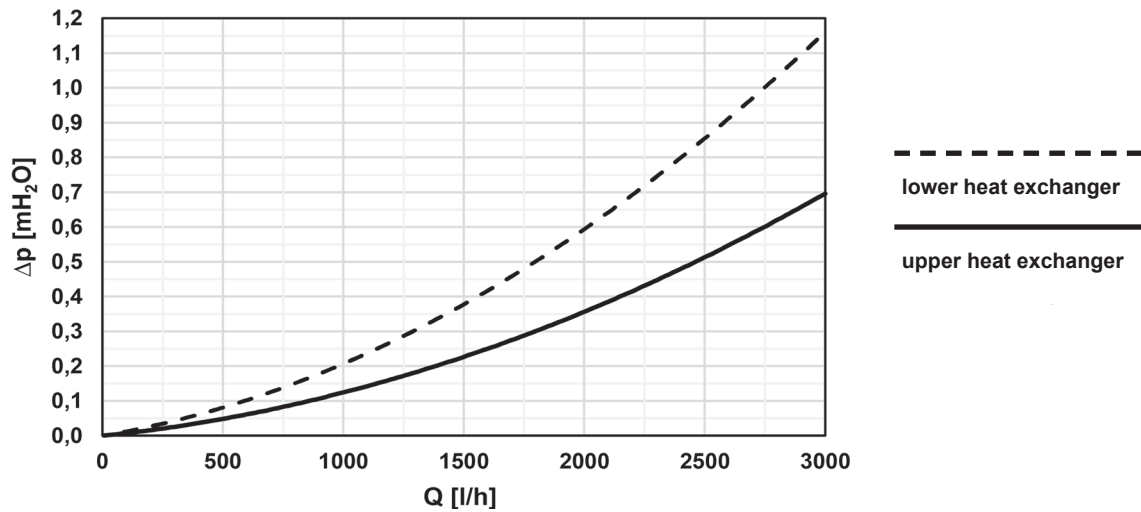
Accessories	
El. heating element	models ETT-A, D, F, P, M
Heating element max. length	500 mm
Electronic anode rod	code 9174

Spare parts (magnesium anode rods)	
Mg anode rod A1 (G 5/4")	code 464

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Heat exchanger pressure drop



Dimensions

pos.	description	connection	height [mm]
DHW heating			
W1	cold water	G 1" F	67
W2	hot water	G 1" F	1608
W3	recirculation	G 3/4" F	1141
Auxiliary heat source			
E1	electric heating element	G 6/4" F	914
Control and safety			
C1	temperature sensor – upper	G 1/2" F	1141
C2	temperature sensor – lower	G 1/2" F	654
T	temperature indicator	G 1/2" F	1384
Heat sources			
X1	supply from heat source	G 5/4" F	1294
X2	return to heat source	G 5/4" F	979
X3	supply from heat source	G 5/4" F	849
X4	return to heat source	G 5/4" F	264
Others			
L1	flange	8 x M10	257
A1	magnesium anode rod	G 5/4" F	1690

