

## DATA SHEET

### R2BC 2500 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	<b>12432</b>

Energy Efficiency Data (as per EC Regulation No. 812/2013)	
Energy efficiency class	N/A
Standing loss	329 W
Storage volume	2458 l

Technical data	
Total tank volume	2510 l
Fluid volume in tank	2458 l
Upper heat exchanger (HE) volume	22 l
Lower heat exchanger volume	30 l
Upper heat exchanger surface area	3,5 m <sup>2</sup>
Lower heat exchanger surface area	4,8 m <sup>2</sup>
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	1200 mm
Tank diameter with insulation	1400 mm
Tank overall height	2680 mm
Tipping height	3030 mm
Empty weight	635 kg

Hot water heating from 10 °C to 45 °C at heating water temperature 60 °C	
Upper heat exchanger	1380 l/h (56 kW)
Lower heat exchanger	1900 l/h (77 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 (soft)
Insulation's outer surface	PVC

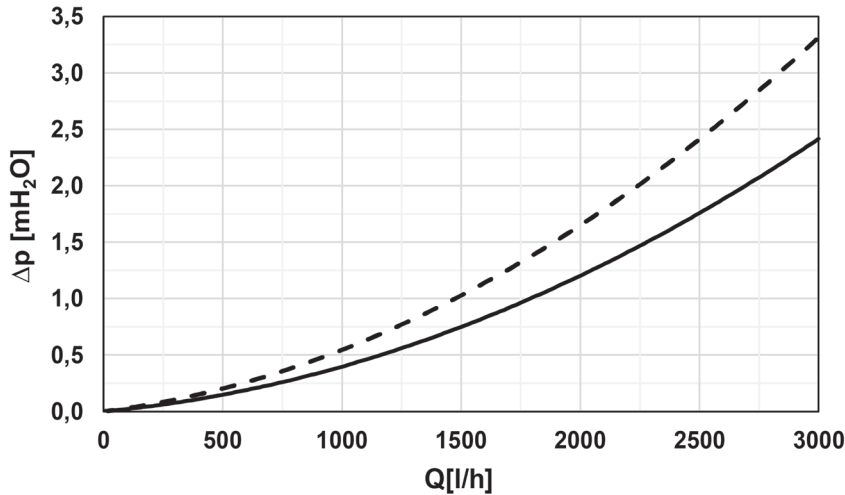
Accessories	
El. heating element	models ETT-A, D, F, P, M
Heating element max. length	815 mm
Electronic anode rod	code 14429
Electronic anode rod with flange	code 17435

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



### Dimensions

pos.	description	connection	height [mm]
<b>DHW heating</b>			
W1	cold water	G 2" F	430
W2	hot water	G 2" F	2250
W3	recirculation	G 1" F	1740
<b>Auxiliary heat source</b>			
E1	electric heating element	G 6/4" F	1400
<b>Control and safety</b>			
C1	temperature sensor – upper	G 1/2" F	1740
C2	temperature sensor – lower	G 1/2" F	1075
T	temperature indicator	G 1/2" F	2130
<b>Heat sources</b>			
X1	supply from heat source	G 5/4" F	2040
X2	return to heat source	G 5/4" F	1540
X3	supply from heat source	G 5/4" F	1250
X4	return to heat source	G 5/4" F	550
<b>Others</b>			
L1	flange	8 x M10	640
A1	magnesium anode rod	G 5/4" F	2600
A2	magnesium anode rod	G 5/4" F	640

