


**R2BC 300 Hot Water Storage Tank**

	Main Features	
	Application	Hot water tank intended for DHW heating, with 2 integrated enamelled heat exchangers. It comes fitted with detachable 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, water-glycol mixture (max. 1:1), water-glycerine mixture (max. 2:1) (heat exchanger)
	Code	6482

**Energy Efficiency Data (as per EC Regulation No. 812/2013)**

Energy efficiency class	C
Static loss	82 W
Storage volume	282 l

**Technical data**

Total DHW tank volume	299 l
Fluid volume in DHW tank	282 l
Upper heat exchanger volume	7.0 l
Lower heat exchanger volume	10.0 l
Upper heat exchanger surface area	0.9 m <sup>2</sup>
Lower heat exchanger surface area	1.5 m <sup>2</sup>
Max. working temperature in DHW tank	95 °C
Max. working temperature in heat exchangers	110 °C
Max. working pressure in DHW tank	10 bar
Max. working pressure in heat exchangers	10 bar
DHW tank diameter	500 mm
DHW tank diameter with insulation	610 mm
DHW tank overall height	1710 mm
Tipping height	1820 mm
DHW tank empty weight	124 kg

**Power for hot water heating from 10 °C to 45 °C at heating water temperature 60 °C**

Upper heat exchanger performance	14 kW, (350 l/h)
Lower heat exchanger performance	24 kW, (590 l/h)

**Materials**

DHW tank material	S235JR, inner surf. enamelled (DIN 4753-3)
Heat exchanger material	S235JR+N, outer surf. enamelled (DIN 4753-3)
DHW tank insulation	PU foam (hard)
DHW tank outer surface insulation	PVC

**Accessories**

Electric heating element	models ETT-A, D2, M, N, R, S, F2, P, U
Heating element max. length for E1 / flange	500 mm / 370 mm
Electronic anode rod	code 9174
Flange for heating element	code 17199

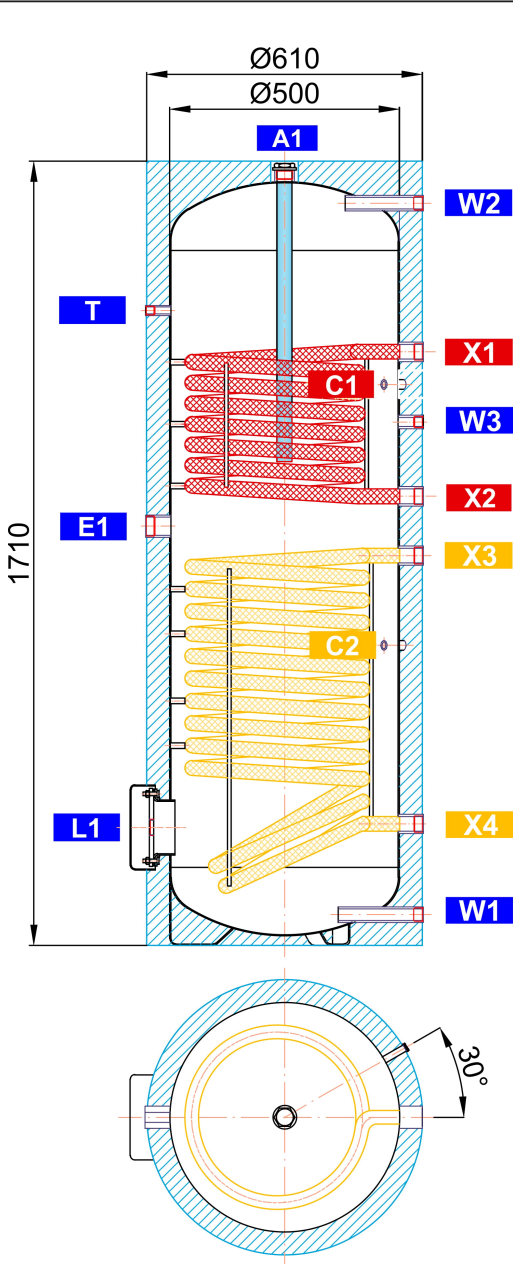
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Spare parts (magnesium anode rods)

Mg anode rod (A1)

code 464

Dimensions



CONNECTIONS

pos.	description	connection	height [mm]
<b>DHW heating</b>			
W1	Cold water	G 1" F	67
W2	Domestic hot water	G 1" F	1608
W3	Recirculation	G 3/4" F	1141
<b>Auxiliary heat source</b>			
E1	Electric heating element	G 6/4" F	914
<b>Control and safety</b>			
C1	Temperature sensor	G 1/2" F	1214
C2	Temperature sensor	G 1/2" F	654
T	Thermometer	G 1/2" F	1384
<b>Heat sources</b>			
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
<b>Others</b>			
L1	Flange	8 x M10	257
A1	Magnesium anode rod	G 5/4" F	1675

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Pressure drop diagram

