


**R2BC 2500 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	12432

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

Energy efficiency class	N/A
Static loss	329 W
Storage volume	2458 l

**Technical data**

Total DHW tank volume	2510 l
Fluid volume in DHW tank	2458 l
Upper heat exchanger volume	22.0 l
Lower heat exchanger volume	30.0 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 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	1200 mm
DHW tank diameter with insulation	1400 mm
DHW tank overall height	2680 mm
Tipping height	3030 mm
DHW tank empty weight	635 kg

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

Upper heat exchanger performance	56 kW, (1380 l/h)
Lower heat exchanger performance	77 kW, (1900 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 (soft)
DHW tank outer surface insulation	PVC

**Accessories**

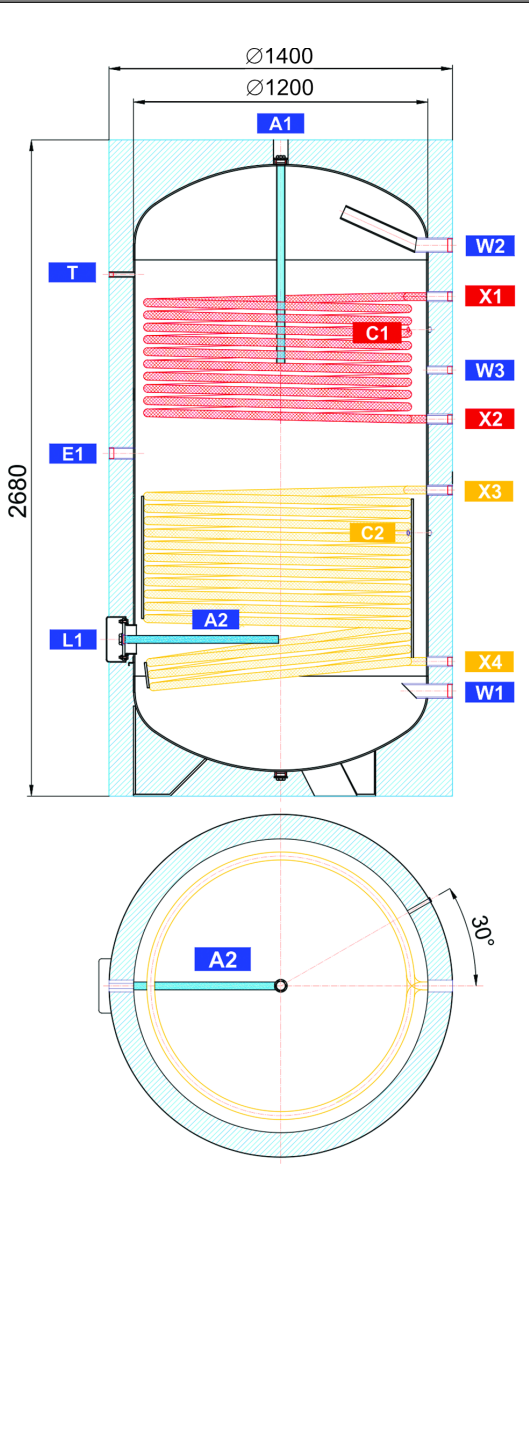
Electric heating element	models ETT-A, D2, M, N, R, S, F2, P, U
Heating element max. length for E1 / flange	815 mm / 815 mm
Electronic anode rod	code 14429
Electronic anode rod with flange for heating element	code 17435

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Spare parts (magnesium anode rods)

Mg anode rod (A1)	code 3698
Mg anode rod (A2)	code 464
Mg anode rod - chain type	code 13112

Dimensions



CONNECTIONS

pos.	description	connection	height [mm]
<b>DHW heating</b>			
W1	Cold water	G 2" F	430
W2	Domestic 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	G 1/2" F	1905
C2	Temperature sensor	G 1/2" F	1075
T	Thermometer	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

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Pressure drop diagram

