

**R2DC 160 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	13490

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

Energy efficiency class	C
Static loss	75 W
Storage volume	144 l

**Technical data**

Total DHW tank volume	153 l
Fluid volume in DHW tank	144 l
Upper heat exchanger volume	4.0 l
Lower heat exchanger volume	5.0 l
Upper heat exchanger surface area	0.7 m <sup>2</sup>
Lower heat exchanger surface area	0.8 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	500 mm
DHW tank diameter with insulation	584 mm
DHW tank overall height	1074 mm
Tipping height	1230 mm
DHW tank empty weight	76 kg

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

Upper heat exchanger performance	11 kW, (270 l/h)
Lower heat exchanger performance	13 kW, (320 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	plastic

**Accessories**

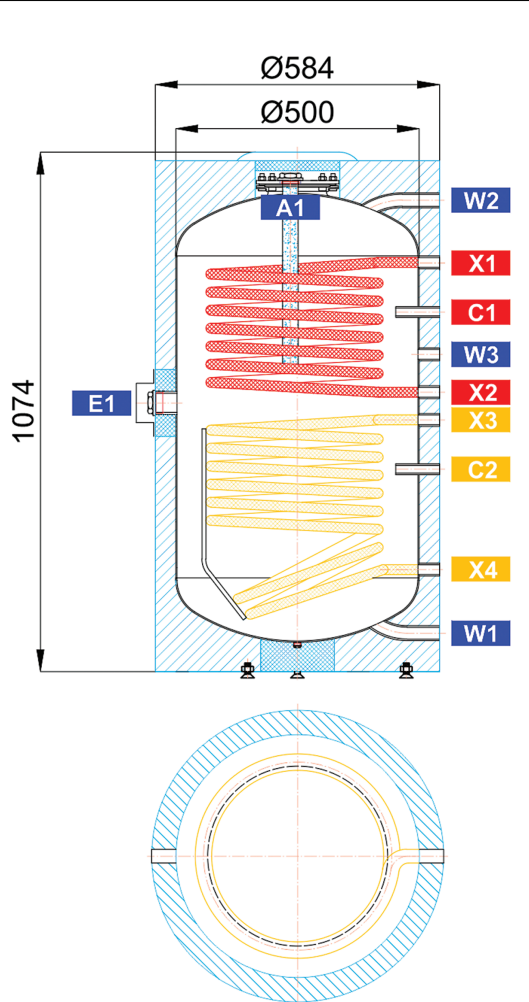
Electric heating element	models ETT-A, D2, M, N, R, S, F2, P, U
Heating element max. length for E1	500 mm
Electronic anode rod	code 9173

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Spare parts (magnesium anode rods)

Mg anode rod (A1)	code 4025
Mg anode rod with flange	code 15846

Dimensions



CONNECTIONS

pos.	description	connection	height [mm]
<b>DHW heating</b>			
W1	Cold water	G 3/4" M	73
W2	Domestic hot water	G 3/4" M	964
W3	Recirculation	G 3/4" F	647
<b>Auxiliary heat source</b>			
E1	Electric heating element	G 6/4" F	547
<b>Control and safety</b>			
C1	Temperature sensor	G 1/2" F	734
C2	Temperature sensor	G 1/2" F	411
<b>Heat sources</b>			
X1	Supply from heat source	G 3/4" M	835
X2	Return to heat source	G 3/4" M	572
X3	Supply from heat source	G 3/4" M	512
X4	Return to heat source	G 3/4" M	204
<b>Others</b>			
A1	Magnesium anode rod	G 5/4" F	1010

C2 tapping is supplied incl. adapter G 1/2" M – M12x1.5 and cable gland. Earthing metal strip is run through the insulation next to the upper flange.

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Pressure drop diagram

