


R2DC 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	11352

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

Energy efficiency class	C
Static loss	85 W
Storage volume	275 l

Technical data

Total DHW tank volume	293 l
Fluid volume in DHW tank	275 l
Upper heat exchanger volume	8.0 l
Lower heat exchanger volume	10.0 l
Upper heat exchanger surface area	1.0 m ²
Lower heat exchanger surface area	1.5 m ²
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	597 mm
DHW tank overall height	1790 mm
Tipping height	1860 mm
DHW tank empty weight	125 kg

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

Upper heat exchanger performance	16 kW, (400 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	plastic

Accessories

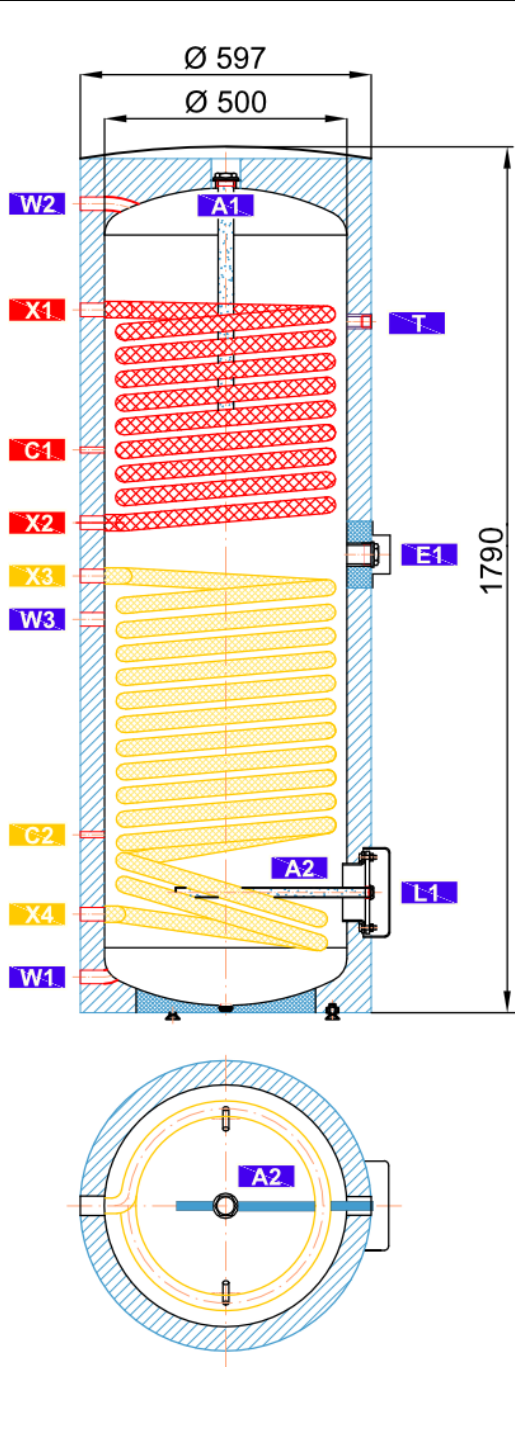
Electric heating element	models ETT-A, D2, M, N, R, S, F2, P, U
Heating element max. length for E1 / flange	500 mm / 370 mm
Electronic anode rod	code 17378
Flange for heating element	code 12707

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Spare parts (magnesium anode rods)

Mg anode rod (A1)	code 448
Mg anode rod (A2)	code 1998

Dimensions



CONNECTIONS

pos.	description	connection	height [mm]
DHW heating			
W1	Cold water	G 3/4" M	74
W2	Domestic hot water	G 3/4" M	1674
W3	Recirculation	G 3/4" F	814
Auxiliary heat source			
E1	Electric heating element	G 6/4" F	948
Control and safety			
C1	Temperature sensor	G 1/2" F	1165
C2	Temperature sensor	G 1/2" F	369
Ti	Temperature indicator	-	1430
Heat sources			
X1	Supply from heat source	G 3/4" M	1454
X2	Return to heat source	G 3/4" M	1014
X3	Supply from heat source	G 3/4" M	904
X4	Return to heat source	G 3/4" M	204
Others			
L1	Flange	8 x M10	249
A1	Magnesium anode rod	G 5/4" F	1722
A2	Magnesium anode rod	G 3/4" F	249

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

