


RDC 300 Hot Water Storage Tank

	Main Features	
	Application	Hot water tank intended for DHW heating, with integrated enamelled heat exchanger. 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	12759

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

Energy efficiency class	C
Static loss	83 W
Storage volume	292 l

Technical data

Total DHW tank volume	302 l
Fluid volume in DHW tank	292 l
Heat exchanger volume	10.0 l
Heat exchanger surface area	1.5 m ²
Max. working temperature in DHW tank	95 °C
Max. working temperature in heat exchanger	110 °C
Max. working pressure in DHW tank	10 bar
Max. working pressure in heat exchanger	10 bar
DHW tank diameter	500 mm
DHW tank diameter with insulation	597 mm
DHW tank overall height	1790 mm
Tipping height	1890 mm
DHW tank empty weight	114 kg

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

Heat exchanger performance	24 kW, (590 l/h)
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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

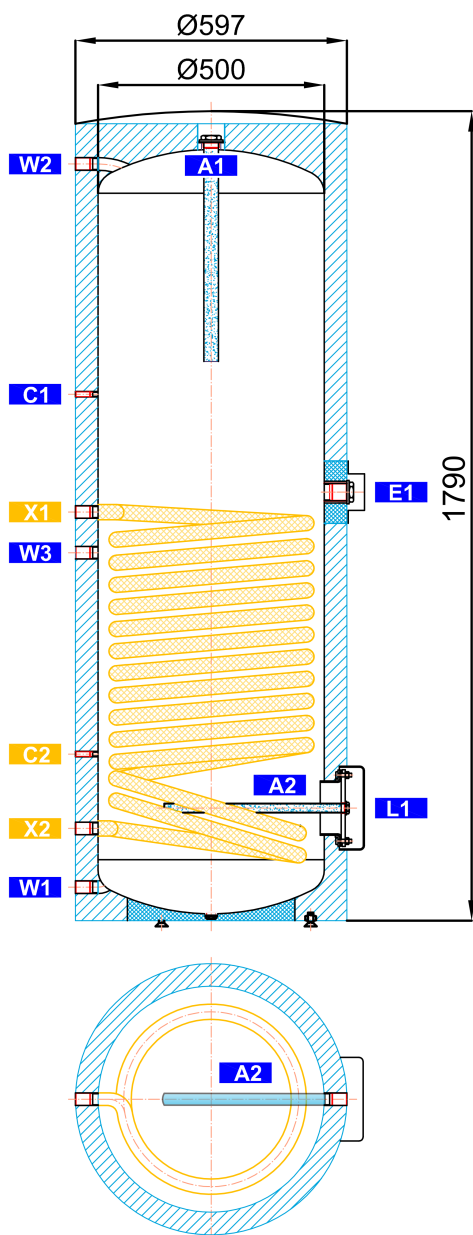
Electric heating element	models ETT-A, D2, M, N, R, S, F2, P, U
Heating element max. length for E1 / flange	500 mm / 370 mm
Electronic anode rod	code 17378
Flange for heating element incl. electronic anode	code 21634
Flange for tube heat exchanger incl. electronic anode	code 21636

Spare parts (magnesium anode rods)

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

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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	1670
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
Heat sources			
X1	Supply from heat source	G 3/4" M	904
X2	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 5/4" 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

