

## DATA SHEET

### RDC 300 Hot Water Storage Tank



#### Základní charakteristika

Application	Hot water tank intended for DHW heating, with integrated enamelled heat exchanger. It comes fitted with 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) or water/glycerine mixture (max. 2:1) (heat exchangers)
Code	<b>12759</b>

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

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

#### Technical data

Total tank volume	302 l
Fluid volume in tank	292 l
Heat exchanger (HE) volume	10 l
Heat exchanger surface area	1.5 m <sup>2</sup>
Max. working temperature in tank	95 °C
Max. working temperature in HE	110 °C
Max. working pressure in tank	10 bar
Max. working pressure in HE	10 bar
Tank diameter	500 mm
Tank diameter with insulation	597 mm
Tank overall height	1790 mm
Tipping height	1890 mm
Empty weight	114 kg

#### Hot water heating from 10 °C to 45 °C at heating water inlet temp. 60°C

Heat exchanger	590 l/h (24 kW)
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#### Materials

Tank material	S235JR, inner surface enamelled (DIN 4753-3)
Heat exchanger material	S235JR+N, outer surface enamelled (DIN 4753-3)
Tank perimeter insulation	PUR foam (hard)
Insulation's outer surface	plastic

#### Accessories

El. heating element	models ETT-A, D, F, P, M
Heating element max. length	500 mm
Electronic anode rod	code 17378

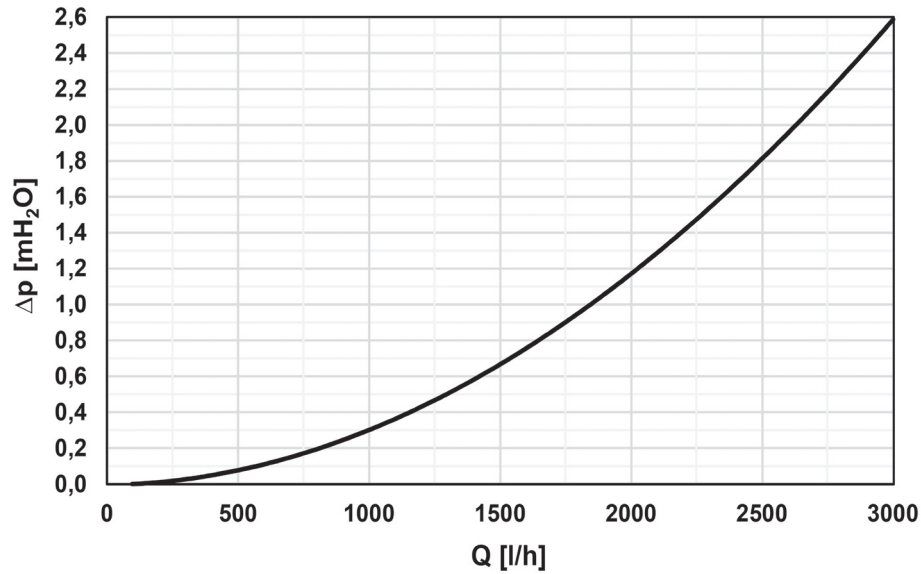
#### Spare parts (magnesium anode rods)

Mg anode rod A1 (G 5/4")	code 448
Mg anode rod (G 3/4")	code 1998

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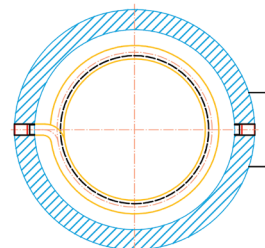
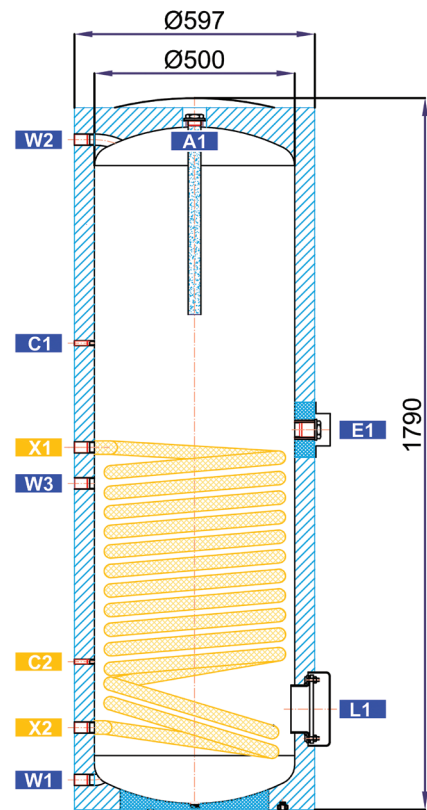
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#### Heat exchanger pressure drop



#### Dimensions

pos.	description	connection	height [mm]
<b>DHW heating</b>			
W1	cold water	G 3/4" M	74
W2	hot water	G 3/4" M	1670
W3	recirculation	G 3/4" F	814
<b>Auxiliary heat source</b>			
E1	electric heating element	G 6/4" F	948
<b>Control and safety</b>			
C1	temperature sensor-upper	G 1/2" F	1165
C2	temperature sensor-lower	G 1/2" F	369
<b>Heat sources</b>			
X1	supply from heat source	G 3/4" M	904
X2	return to heat source	G 3/4" M	204
<b>Others</b>			
A1	magnesium anode rod	G 5/4" F	1722
A2	magnesium anode rod	G 3/4" F	249
L1	flange	8 x M10	249



#### NOTE:

- 1) C1 and C2 tapings are supplied incl. adapter G 1/2" M – M12x1.5 and cable gland.
- 2) Earthing metal strip is run through the insulation next to the upper flange.