

**RGC 300 HP 2.5 Hot Water Storage Tank**

	<b>Main Features</b>	
	<b>Application</b>	This hot water storage tank with an integrated heat exchanger and enamelled inner surface is intended for DHW heating. It comes fitted with non removable 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. Thanks to the position of the connection for an el. heating element in the bottom section of the tank, this hot water storage tank is suitable also for utilizing surplus electricity from a PV system.
	<b>Working fluid</b>	water (tank) - water, water-glycol mixture (max. 1:1), water-glycerine mixture (max. 2:1) (heat exchanger)
	<b>Code</b>	19856

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

Energy efficiency class	C
Static loss	86 W
Storage volume	271 l

**Technical data**

Total DHW tank volume	283 l
Fluid volume in DHW tank	271 l
Heat exchanger volume	12.0 l
Heat exchanger surface area	2.5 m <sup>2</sup>
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	600 mm
DHW tank diameter with insulation	700 mm
DHW tank overall height	1205 mm
Tipping height	1400 mm
DHW tank empty weight	120 kg

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

Heat exchanger performance	40 kW, (990 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	hard plastic – grey RAL 7045

**Accessories**

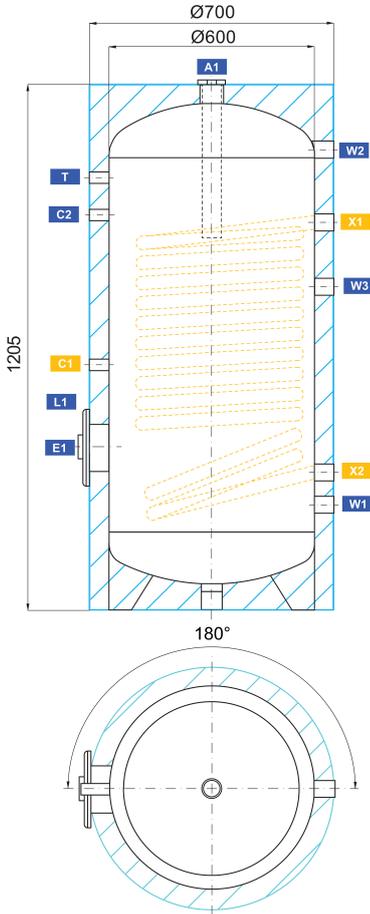
Electric heating element	models ETT-A, D2, F2, M, N, P, R, S, U
Heating element max. length for E1	470 mm
Electronic anode rod	code 9176

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Spare parts (magnesium anode rods)

Mg anode rod (A1)	code 464
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Dimensions



CONNECTIONS

pos.	description	connection	height [mm]
<b>DHW heating</b>			
W1	Cold water	G 1" F	181
W2	Hot water	G 1" F	1054
W3	Recirculation	G 1" F	758
<b>Auxiliary heat source</b>			
E1	Electric heating element	G 6/4" F	318
<b>Control and safety</b>			
C1	Temperature sensor	G 1/2" F	613
C2	Temperature sensor	G 1/2" F	868
T	Thermometer	G 1/2" F	973
<b>Heat sources</b>			
X1	Supply from heat source	G 1" F	846
X2	Return to heat source	G 1" F	258
<b>Others</b>			
L1	Flange	8 x M10	318
A1	Magnesium anode rod	G 5/4" F	1205

Pressure drop diagram

