

DATA SHEET

RBC 300 Hot Water Storage Tank



Main features	
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 (max. 2:1) (heat exchanger).
Code	3253

Energy Efficiency Data (as per EC Regulation No. 812/2013)	
Energy efficiency class	C
Standing loss	81 W
Storage volume	286 l

Technical data	
Total tank volume	297 l
Fluid volume in tank	286 l
Heat exchanger (HE) volume	11 l
Heat exchanger surface area	1.7 m ²
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	610 mm
Tank overall height	1710 mm
Tipping height	1820 mm
Empty weight	109 kg

Hot water heating from 10 °C to 45 °C at heating water inlet temp. of 60 °C	
Heat exchanger	670 l/h (27 kW)

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

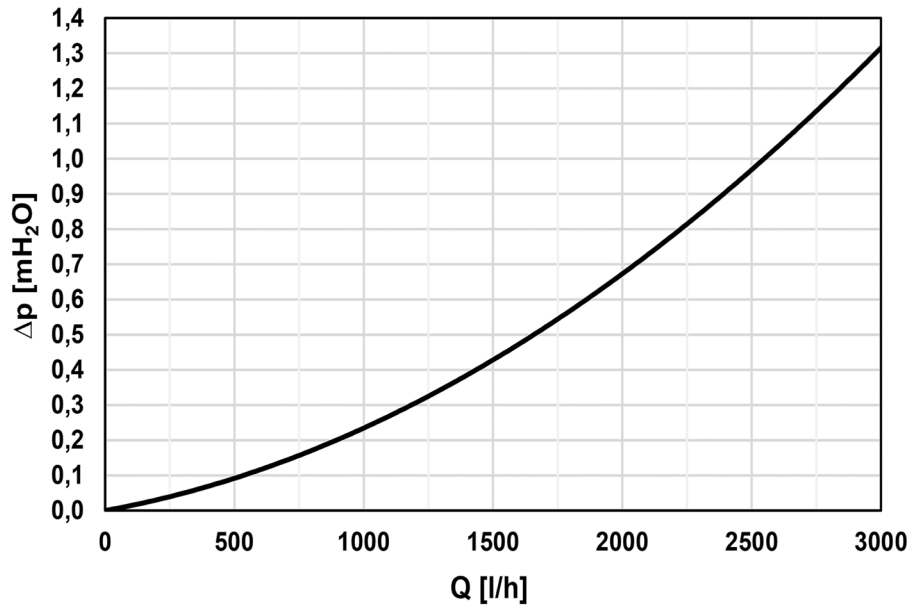
Accessories	
El. heating element	models ETT-A, D, F, P, M
Heating elem. max. length	500 mm
Electronic anode rod	code 9174

Spare parts (magnesium anode rods)	
Mg anode r. (A1), G 5/4"	code 448

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Heat exchanger pressure drop



Dimensions

Pos.	Description	Connection	Height [mm]
DHW heating			
W1	Cold water	G 1" F	67
W2	Hot water	G 1" F	1609
W3	Recirculation	G 3/4" F	1140
Auxiliary heat source			
E1	Electric heating element	G 6/4" F	986
Control and safety			
C1	Temperature sensor	G 1/2" F	653
T	Thermometer	G 1/2" F	1431
Heat sources			
X1	Supply from heat source	G 5/4" F	848
X2	Return to heat source	G 5/4" F	263
Others			
L1	Flange	8 x M10	257
A1	Magnesium anode rod	G 5/4" F	1685

