

## DATA SHEET

### RBC 300 HP Hot Water Storage Tank



Main features	
Application	Hot water tank intended for DHW heating, with 1 upsized 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 exchanger)
Code	<b>10535</b>

Energy Efficiency Data (as per EC Regulation No. 812/2013)	
Energy efficiency class	C
Standing loss	87 W
Storage volume	276 l

Technical data	
Total tank volume	299 l
Fluid volume in tank	276 l
Heat exchanger (HE) volume	23 l
Heat exchanger surface area	3.8 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	610 mm
Tank overall height	1710 mm
Tipping height	1820 mm
Empty weight	155 kg

Hot water heating from 10 °C to 45 °C at heating water inlet temperature 60 °C	
Heat exchanger	1190 l/h (48 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

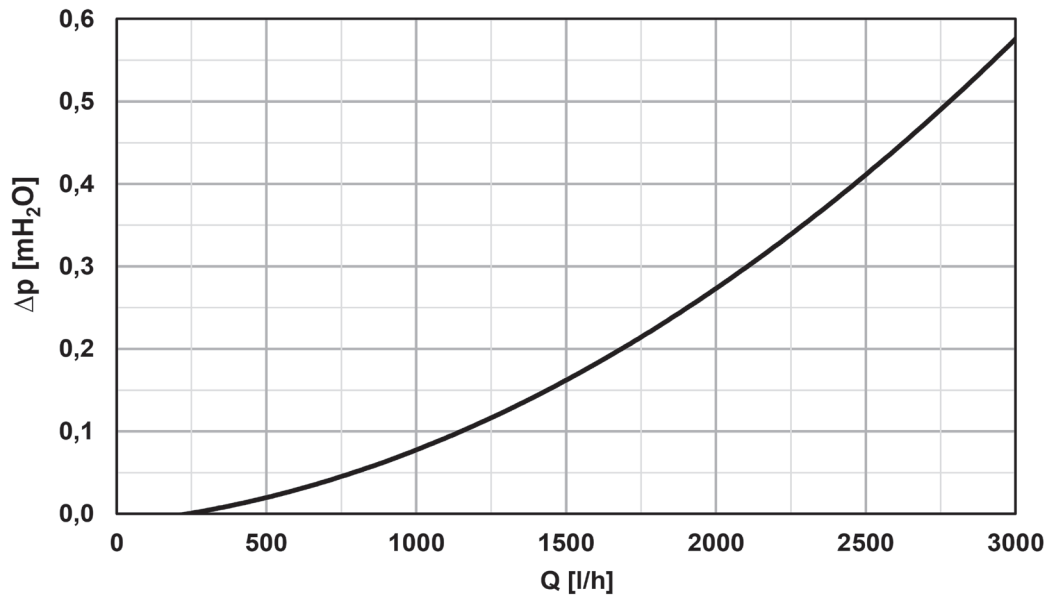
Accessories	
El. heating element	models ETT-A, D, F, P, M
Heating elem. max. length	500 mm
Electronic anode rod	code 17375
Electronic anode rod with flange	code 17434

Spare parts (magnesium anode rods)	
Mg anode rod (A3), G 5/4"	code 3698

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#### Heat exchanger pressure drop



#### Dimensions

pos.	description	connection	height [mm]
<b>DHW heating</b>			
W1	cold water	G 1" F	67
W2	hot water	G 1" F	1609
W3	recirculation	G 3/4" F	1200
<b>Auxiliary heat source</b>			
E1	electric heating element	G 6/4" F	1150
<b>Control and safety</b>			
C1	temperature sensor – upper	G 1/2" F	653
T	temperature indicator	G 1/2" F	1430
<b>Heat sources</b>			
X1	supply from heat source	G 5/4" F	1080
X2	return to heat source	G 5/4" F	230
<b>Others</b>			
L1	flange	8 x M10	270
A3	magnesium anode rod	G 5/4" F	1675

