

RBC 300 HP 3.2 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	18748

Energy Efficiency Data (as per EC Regulation No. 812/2013)	
Energy efficiency class	C
Standing loss	81 W
Storage volume	272 l

Technical data	
Total tank volume	299 l
Fluid volume in tank	272 l
Heat exchanger (HE) volume	27 l
Heat exchanger surface area	3,2 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	604 mm
Tank overall height	1710 mm
Tipping height	1820 mm
Empty weight	130 kg

Hot water heating from 10 °C to 45 °C at heating water inlet temperature 60 °C	
Heat exchanger	990 l/h (40 kW)

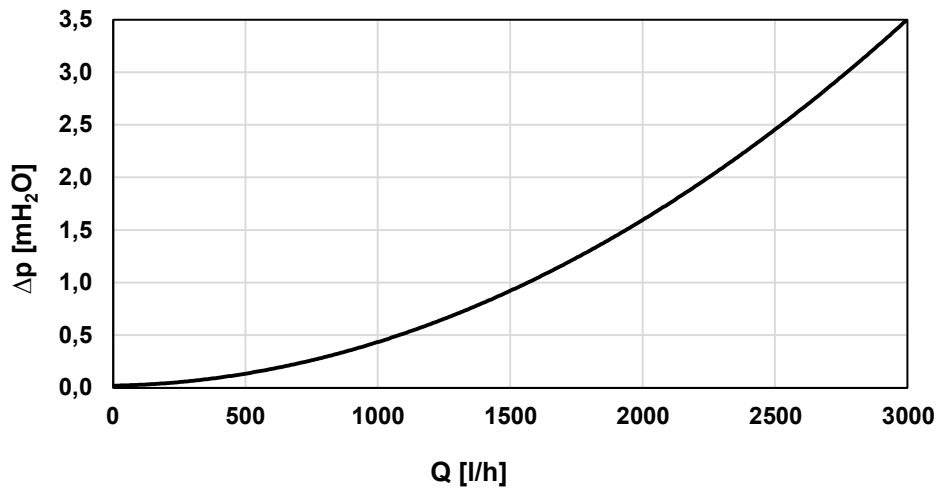
Materials	
Tank material	S235JR, inner surface enamelled (DIN 4756)
Heat exchanger material	S235JR+N, outer surface enamelled (DIN 4756)
Tank perimeter insulation	PU foam (hard)
Insulation's outer surface	PVC / ABS

Accessories	
El. heating element	models ETT-A, D, F, P, M
Heating elem. max. length	500 mm
Electronic anode rod with flange	code 17432

Spare parts (magnesium anode rods)	
Mg anode rod (A1), G 5/4"	code 448
Mg anode rod (A2), M8	code 4611

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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	840
Auxiliary heat source			
E1	electric heating element	G 6/4" F	950
Control and safety			
C1	temperature sensor	G 1/2" F	1300
C2	temperature sensor	G 1/2" F	1000
C3	temperature sensor	G 1/2" F	450
T	temperature indicator	G 1/2" F	1465
Heat sources			
X1	supply from heat source	G 5/4" F	1455
X2	return to heat source	G 5/4" F	230
Others			
L1	flange	8 x M10	257
A1	magnesium anode rod	G 5/4" F	1710
A2	magnesium anode rod	M8	257

