

DATA SHEET

RBC 3000 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	8477

Energy Efficiency Data (as per EC Regulation No. 812/2013)	
Energy efficiency class	N/A
Standing loss	354 W
Storage volume	2809 l

Technical data	
Total tank volume	2841 l
Fluid volume in tank	2809 l
Heat exchanger (HE) volume	32 l
Heat exchanger surface area	5,2 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	1200 mm
Tank diameter with insulation	1400 mm
Tank overall height	2980 mm
Tipping height	3300 mm
Empty weight	642 kg

Hot water heating from 10 °C to 45 °C at heating water inlet temp. of 60 °C	
Heat exchanger	2050 l/h (83 kW)

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

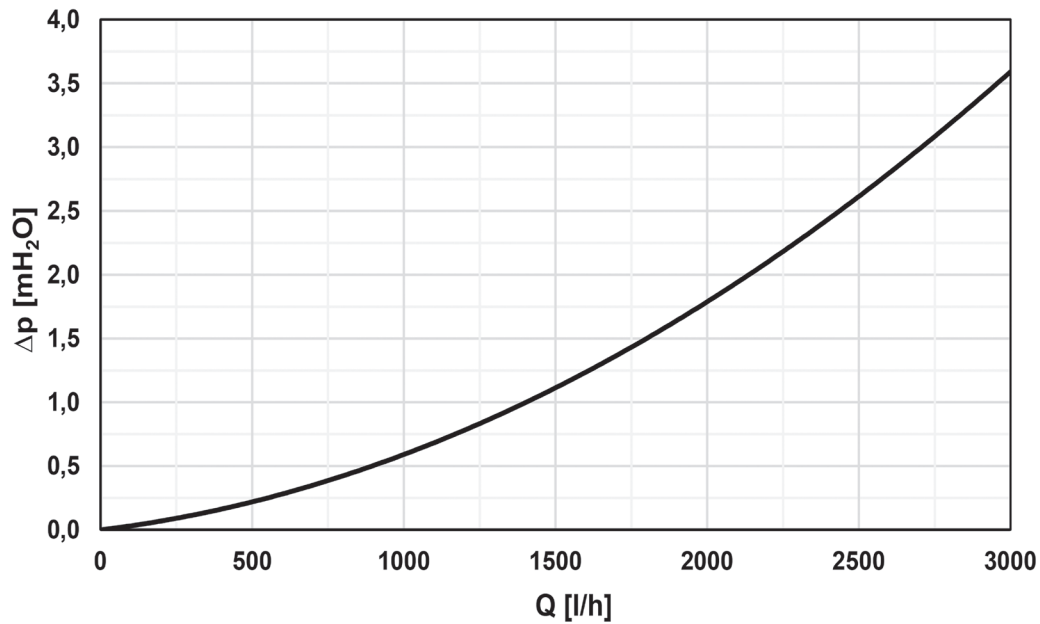
Accessories	
El. heating element	models ETT-A, D, F, P, M
Heating elem. max. length	815 mm
Electronic anode rod	code 17371
Flange including anodes	code 17436

Spare parts (magnesium anode rods)	
Mg anode r. (A1), G 5/4"	code 3698
Mg anode r. – into flange (A2,3), G 5/4"	code 464
Mg anode r. – chain type, G 5/4"	code 13112

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Heat exchanger pressure drop



Dimensions

pos.	description	connection	height [mm]
DHW heating			
W1	cold water	G 2" F	430
W2	hot water	G 2" F	2550
W3	recirculation	G 1" F	2040
Auxiliary heat source			
E1	electric heating element	G 6/4" F	1400
Control and safety			
C1	temperature sensor	G 1/2" F	1075
T	thermometer	G 1/2" F	2430
Heat sources			
X1	supply from heat source	G 5/4" F	1300
X2	return to heat source	G 5/4" F	550
Others			
L1	flange	8 x M10	640
A1	magnesium anode rod	G 5/4" F	2900
A2	magnesium anode rod	G 5/4" F	640
A3	magnesium anode rod	G 5/4" F	1640

