

DATA SHEET

RBC 1500 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	16714

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

Energy efficiency class	N/A
Standing loss	154 W
Storage volume	1446 l

Technical data

Total tank volume	1516 l
Fluid volume in tank	1446 l
Heat exchanger (HE) volume	70 l
Heat exchanger surface area	11 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	1000 mm
Tank diameter with insulation	1200 mm
Tank overall height	2285 mm
Tipping height	2590 mm
Empty weight	344 kg

Hot water heating from 10 °C to 45 °C at heating water inlet temperature 60 °C

Heat exchanger	3460 l/h (140 kW)
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Materials

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

Accessories

Electronic anode rod	code 17377
Electronic anode rod with flange	code 17435

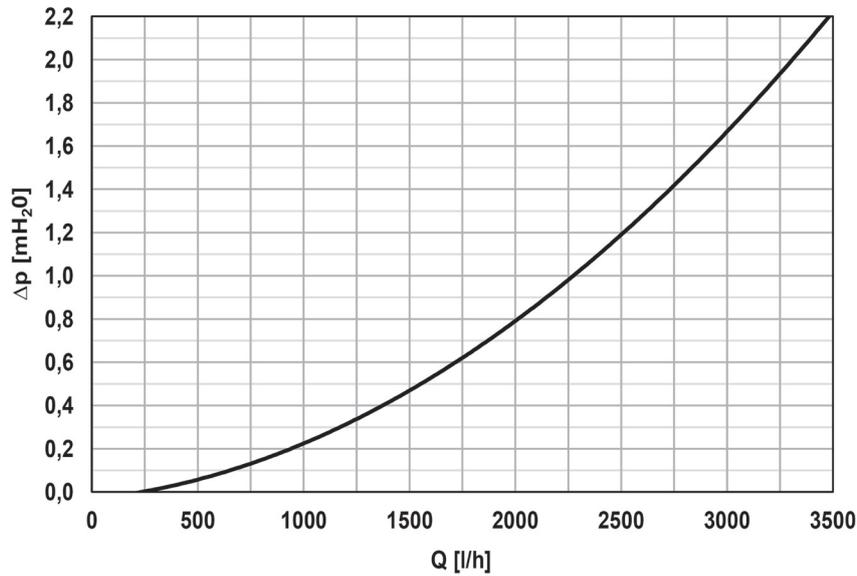
Spare parts (magnesium anode rods)

Mg anode rod (A1, A3), G 5/4"	code 3698
Mg anode rod with flange (A2), G 5/4"	code 464
Mg anode rod – 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	315
W2	hot water	G 2" F	1935
W3	recirculation	G 5/4" F	1460
Control and safety			
C1	temperature sensor – upper	G 1/2" F	1260
C2	temperature sensor – lower	G 1/2" F	870
T	temperature indicator	G 1/2" F	1825
Heat sources			
X1	supply from heat source	G 6/4" F	1620
X2	return to heat source	G 6/4" F	450
Others			
L1	flange	8 x M10	530
A1	magnesium anode rod	G 5/4" F	2205
A2	magnesium anode rod	G 5/4" F	530
A3	magnesium anode rod	G 5/4" F	2205

