

## RBC 500 HP Hot Water Storage Tank

v1.2\_07/2018

RBC 500 HP



Main features	
Application	DHW heating
Description	hot water storage tank with integrated enamelled heat exchanger, permitting installation of an el. heating element
Working fluid	water (tank), water, water/glycol mixture (max. 1:1) or water/glycerine mixture (max. 2:1) (heat exchanger)
<b>Code</b>	<b>8 546</b>

Energy Efficiency Data (as per EC Regulation No. 812/2013)	
	<b>RBC 500 HP</b>
Energy efficiency class	<b>N/A</b>
Standing loss	<b>114 W</b>
Storage volume	<b>473 l</b>

Technical data	
Total tank volume	509 l
Fluid volume in tank	473 l
Heat exchanger (HE) volume	36 l
Heat exchanger surface area	5,9 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

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

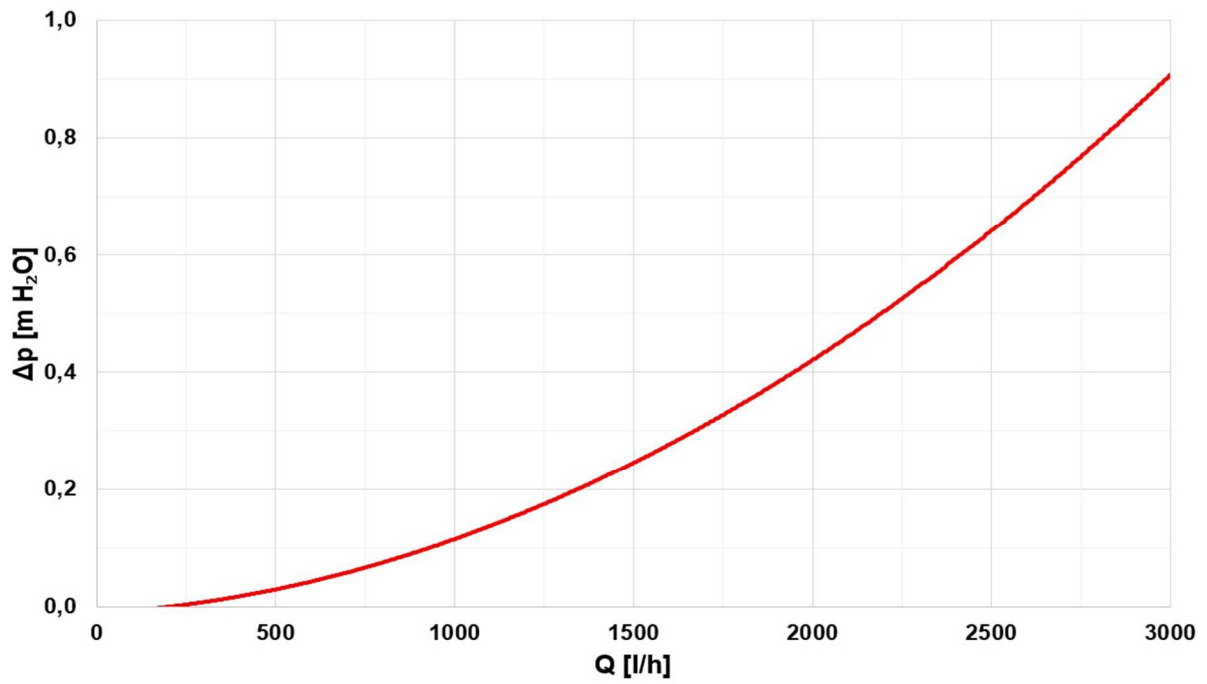
Hot water heating from 10 °C to 45 °C at heating water temp. of 60 °C	
Heat exchanger	1880 l/h (75 kW)

Dimensions, Tipping height, Weight	
Tank diameter	650 mm
Tank diameter with insulation	760 mm
Tank overall height	1785 mm
Tipping height	1950 mm
Empty weight	220 kg

Accessories	
El. heating element	models ETT-A, D, F, G, M
Heating elem. max. length / output	680 mm / 9,0 kW
Electronic anode rod	code 9 174

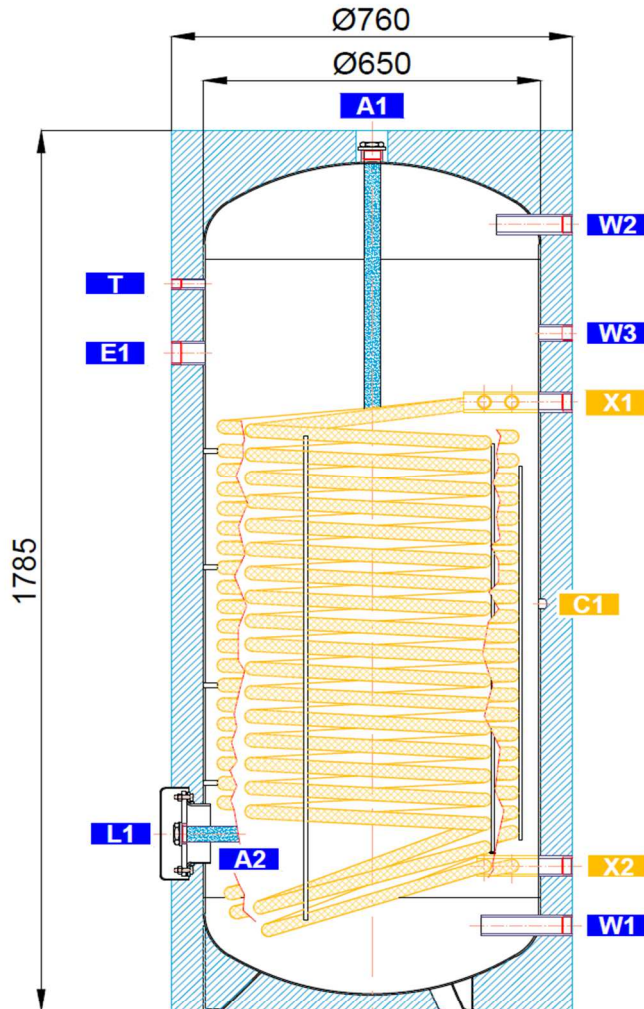
Spare parts (magnesium anode rods)	
Mg anode r. (A1), G 5/4"	code 4 025
Mg anode r. - into flange (A2), G 5/4"	code 4 025

Heat exchanger pressure drop



Dimensions

Tipping height 1950 mm.



TAPPINGS

pos.	connection	height [mm]
<b>DHW heating</b>		
W1	G 5/4" F	175
W2	G 5/4" F	1595
W3	G 1" F	1375
<b>El. heating elements</b>		
E1	G 6/4" F	1335
<b>Control and safety</b>		
C1	G 1/2" F	825
C2	-	-
T	G 1/2" F	1475
<b>Solar thermal system</b>		
X1	G 5/4" F	1235
X2	G 5/4" F	295
<b>Flange</b>		
L1	8 x M10	360
<b>Magnesium anode rod</b>		
A1	G 5/4" F	1750
A2	G 5/4" F	360

