
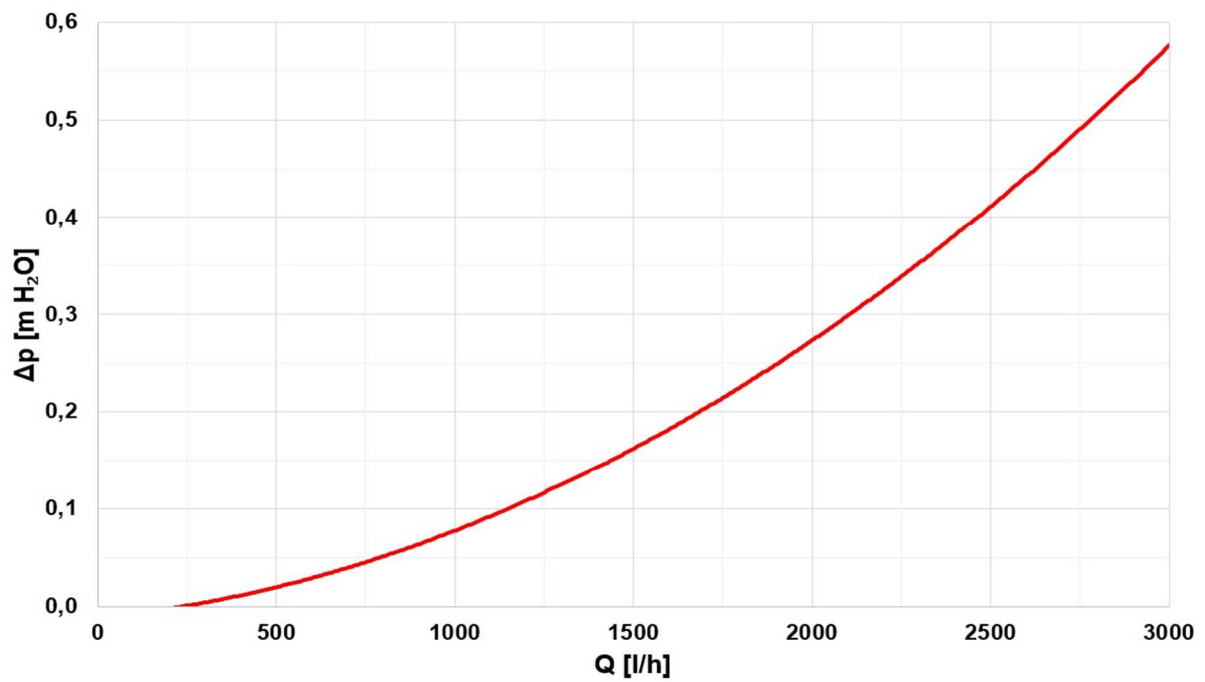


## RBC 300 HP Hot Water Storage Tank

v1.2\_07/2018

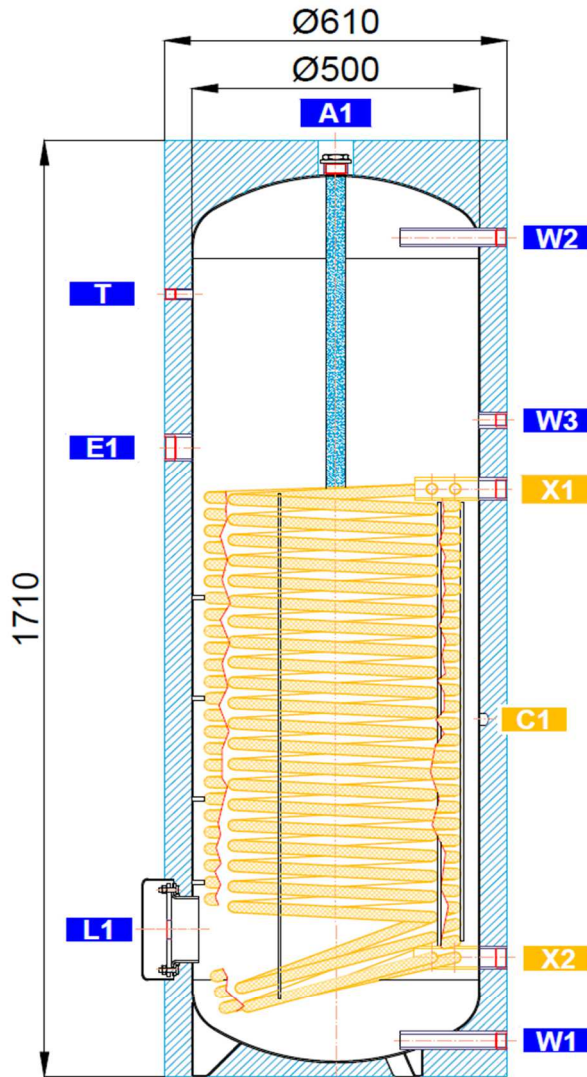
<p><b>RBC 300 HP</b></p> 	<b>Main features</b>	
	Application	DHW heating
	Description	hot water storage tank with integrated enamelled heat exchanger, permitting installation of an el. heating element
	Working fluid	water (tank), water, water/glycol mixture (max. 1:1) or water/glycerine mixture (max. 2:1) (heat exchanger)
	<b>Code</b>	<b>10 535</b>
	<b>Energy Efficiency Data (as per EC Regulation No. 812/2013)</b>	
		<b>RBC 300 HP</b>
	Energy efficiency class	<b>C</b>
	Standing loss	<b>87 W</b>
	Storage volume	<b>276 l</b>
	<b>Technical data</b>	
	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	
<b>Materials</b>		
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	
<b>Hot water heating from 10 °C to 45 °C at heating water temp. of 60 °C</b>		
Heat exchanger	1179 l/h (48 kW)	
<b>Dimensions, Tipping height, Weight</b>		
Tank diameter	500 mm	
Tank diameter with insulation	610 mm	
Tank overall height	1710 mm	
Tipping height	1820 mm	
Empty weight	155 kg	
<b>Accessories</b>		
El. heating element	models ETT-A, D, F, G, M	
Heating elem. max. length / output	495 mm / 6,0 kW	
Electronic anode rod	code 9 174	
<b>Spare parts (magnesium anode rods)</b>		
Mg anode r. (A1), G 5/4"	code 448	

Heat exchanger pressure drop



Dimensions

Tipping height 1820 mm.



TAPPINGS

pos.	connection	height [mm]
<b>DHW heating</b>		
W1	G 1" F	67
W2	G 1" F	1609
W3	G 3/4" F	1200
<b>El. heating elements</b>		
E1	G 6/4" F	1150
<b>Control and safety</b>		
C1	G 1/2" F	653
C2	-	-
T	G 1/2" F	1430
<b>Solar thermal system</b>		
X1	G 5/4" F	1080
X2	G 5/4" F	230
<b>Flange</b>		
L1	8 x M10	270
<b>Magnesium anode rod</b>		
A1	G 5/4" F	1675

