


**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 detachable 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.
	Working fluid	water (tank) - water, water-glycol mixture (max. 1:1), water-glycerine mixture (max. 2:1) (heat exchanger)
	Code	18748

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

Energy efficiency class	C
Static loss	81 W
Storage volume	272 l

**Technical data**

Total DHW tank volume	299 l
Fluid volume in DHW tank	272 l
Heat exchanger volume	27.0 l
Heat exchanger surface area	3.2 m <sup>2</sup>
Max. working temperature in DHW tank	95 °C
Max. working temperature in heat exchanger	110 °C
Max. working pressure in DHW tank	10 bar
Max. working pressure in heat exchanger	10 bar
DHW tank diameter	500 mm
DHW tank diameter with insulation	604 mm
DHW tank overall height	1710 mm
Tipping height	1820 mm
DHW tank empty weight	130 kg

**Power for hot water heating from 10 °C to 45 °C at heating water temperature 60 °C**

Heat exchanger performance	40 kW, (990 l/h)
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**Materials**

DHW tank material	S235JR, inner surf. enamelled (DIN 4753-3)
Heat exchanger material	S235JR+N, outer surf. enamelled (DIN 4753-3)
DHW tank insulation	PU foam (hard)
DHW tank outer surface insulation	PVC

**Accessories**

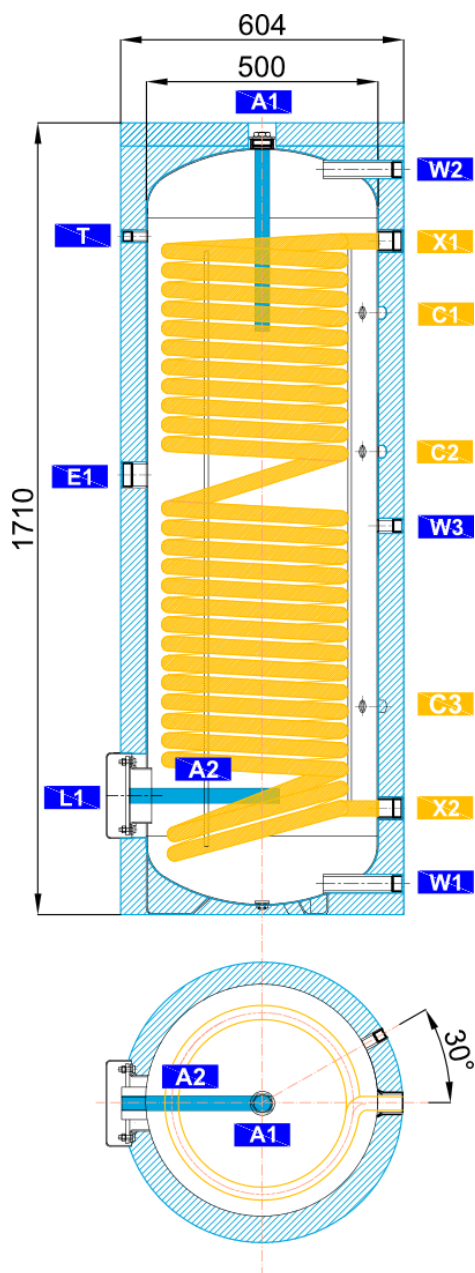
Electric heating element	models ETT-A, D2, M, N, R, S, F2, P, U
Heating element max. length for E1 / flange	500 mm / 370 mm
Electronic anode rod	code 17375
Electronic anode rod for flange	code 17432

**Spare parts (magnesium anode rods)**

Mg anode rod (A1)	code 448
Mg anode rod (A2)	code 4611

## RBC 300 HP 3.2 Hot Water Storage Tank

### Dimensions



### CONNECTIONS

pos.	description	connection	height [mm]
<b>DHW heating</b>			
W1	Cold water	G 1" F	67
W2	Domestic hot water	G 1" F	1609
W3	Recirculation	G 3/4" F	840
<b>Auxiliary heat source</b>			
E1	Electric heating element	G 6/4" F	950
<b>Control and safety</b>			
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	Thermometer	G 1/2" F	1465
<b>Heat sources</b>			
X1	Supply from heat source	G 5/4" F	1455
X2	Return to heat source	G 5/4" F	230
<b>Others</b>			
L1	Flange	8 x M10	257
A1	Magnesium anode rod	G 5/4" F	1675
A2	Magnesium anode rod	M8	257

**RBC 300 HP 3.2 Hot Water Storage Tank****Pressure drop diagram**