


RBC 1000 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 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	7883

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

Energy efficiency class	N/A
Static loss	123 W
Storage volume	820 l

Technical data

Total DHW tank volume	884 l
Fluid volume in DHW tank	820 l
Heat exchanger volume	64.0 l
Heat exchanger surface area	10.0 m ²
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	790 mm
DHW tank diameter with insulation	950 mm
DHW tank overall height	2120 mm
Tipping height	2330 mm
DHW tank empty weight	320 kg

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

Heat exchanger performance	127 kW, (3140 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

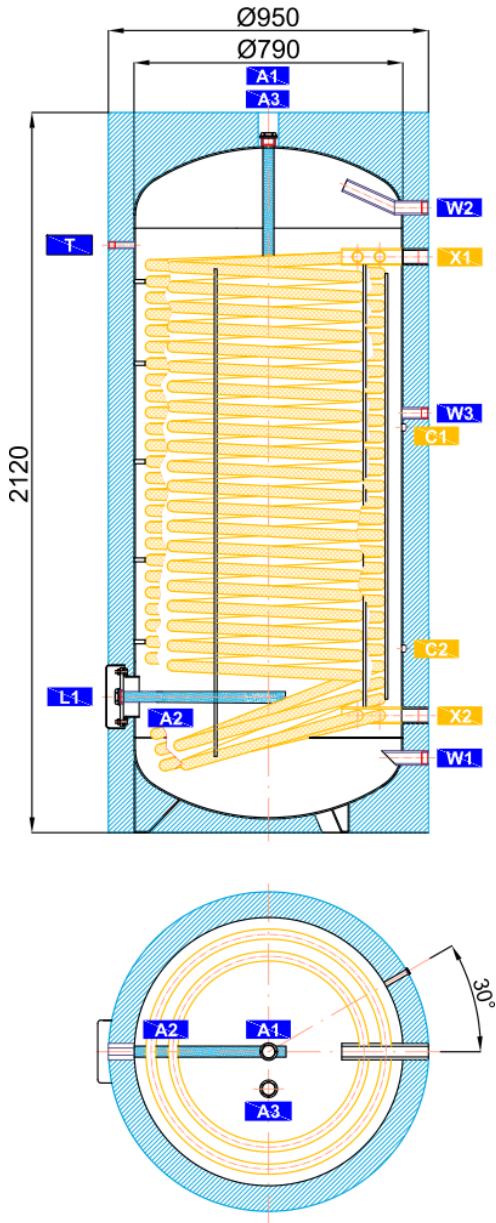
Electric heating element	no connection for the heating element
Heating element max. length for flange	635 mm
Electronic anode rod	code 17377
Electronic anode rod for flange	code 17428

Spare parts (magnesium anode rods)

Mg anode rod (A1)	code 3698
Mg anode rod (A2)	code 448
Mg anode rod (A3)	code 3698
Mg anode rod - chain type	code 13112

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Dimensions



CONNECTIONS

pos.	description	connection	height [mm]
DHW heating			
W1	Cold water	G 5/4" F	220
W2	Hot water	G 5/4" F	1840
W3	Recirculation	G 1" F	1235
Control and safety			
C1	Temperature sensor	G 1/2" F	1193
C2	Temperature sensor	G 1/2" F	542
T	Thermometer	G 1/2" F	1730
Heat sources			
X1	Supply from heat source	G 6/4" F	1695
X2	Return to heat source	G 6/4" F	345
Others			
L1	Flange	8 x M10	400
A1	Magnesium anode rod	G 5/4" F	2040
A2	Magnesium anode rod	G 5/4" F	400
A3	Magnesium anode rod	G 5/4" F	2040

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Pressure drop diagram

