


**RGC 120 Hot Water Storage Tank**

	Main Features	
	Application	Hot water tank with integrated heat exchanger and enamelled inner surface, intended for DHW heating. It comes fitted with non-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. 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), water-glycerine mixture (max. 2:1) (heat exchanger)
	Code	19441

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

Energy efficiency class	C
Static loss	65 W
Storage volume	114 l

**Technical data**

Total DHW tank volume	120 l
Fluid volume in DHW tank	114 l
Heat exchanger volume	6.0 l
Heat exchanger surface area	1.4 m <sup>2</sup>
Max. working temperature in DHW tank	95 °C
Max. working temperature in heat exchanger	100 °C
Max. working pressure in DHW tank	6 bar
Max. working pressure in heat exchanger	6 bar
DHW tank diameter	457 mm
DHW tank diameter with insulation	565 mm
DHW tank overall height	1075 mm
Tipping height	1143 mm
DHW tank empty weight	71 kg

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

Heat exchanger performance	23 kW, (570 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	plastic

**Accessories**

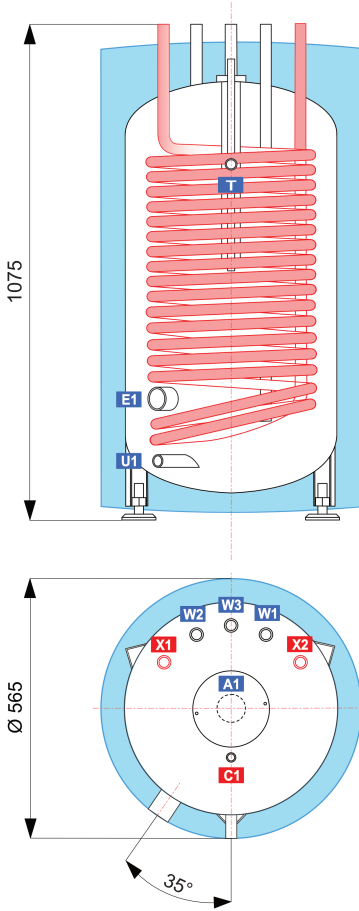
Electric heating element	models ETT-A, D2, F2, M, N, P, R, S, U
Heating element max. length for E1	370 mm
Electronic anode rod	code 9176

**Spare parts (magnesium anode rods)**

Mg anode rod (A1)	code 448
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Dimensions



CONNECTIONS

pos.	description	connection	height [mm]
<b>DHW heating</b>			
W1	Cold water	G 3/4" M	1075
W2	Hot water	G 3/4" M	1075
W3	Recirculation	G 3/4" M	1075
<b>Auxiliary heat source</b>			
E1	Electric heating element	G 6/4" F	235
<b>Control and safety</b>			
C1	Temperature sensor	15 mm	990
T	Thermometer	G 1/2" F	740
<b>Heat sources</b>			
X1	Supply from heat source	G 3/4" M	1075
X2	Return to heat source	G 3/4" M	1075
<b>Universal inlet/outlet</b>			
U1	Universal inlet/outlet	G 1/2" F	100
<b>Others</b>			
A1	Magnesium anode rod	G 5/4" F	960

Pressure drop diagram

