


RDC 160 Hot Water Storage Tank

	Main Features	
	Application	Hot water tank intended for DHW heating, with integrated 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. 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	12772

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

Energy efficiency class	C
Static loss	75 W
Storage volume	152 l

Technical data

Total DHW tank volume	157 l
Fluid volume in DHW tank	152 l
Heat exchanger volume	5.0 l
Heat exchanger surface area	0.8 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	500 mm
DHW tank diameter with insulation	584 mm
DHW tank overall height	1074 mm
Tipping height	1230 mm
DHW tank empty weight	70 kg

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

Heat exchanger performance	13 kW, (320 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

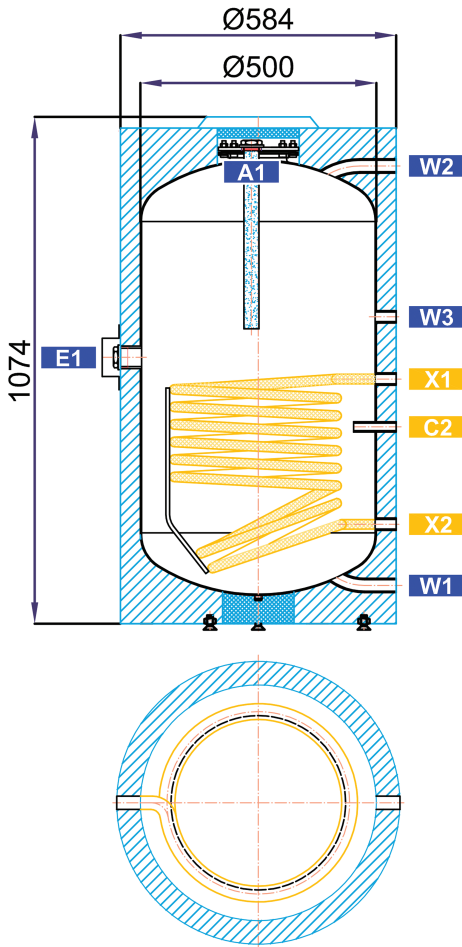
Electric heating element	models ETT-A, D2, M, N, R, S, F2, P, U
Heating element max. length for E1	500 mm
Electronic anode rod	code 9173

Spare parts (magnesium anode rods)

Mg anode rod (A1)	code 4025
Mg anode rod with flange	code 15846

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Dimensions



CONNECTIONS

pos.	description	connection	height [mm]
DHW heating			
W1	Cold water	G 3/4" M	73
W2	Domestic hot water	G 3/4" M	964
W3	Recirculation	G 3/4" F	647
Auxiliary heat source			
E1	Electric heating element	G 6/4" F	547
Control and safety			
C2	Temperature sensor	G 1/2" F	411
Heat sources			
X1	Supply from heat source	G 3/4" M	512
X2	Return to heat source	G 3/4" M	204
Others			
A1	Magnesium anode rod	G 5/4" F	1010

C2 tapping is supplied incl. adapter G 1/2" M – M12x1.5 and cable gland. Earthing metal strip is run through the insulation next to the upper flange.

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Pressure drop diagram

