

DATA SHEET

RDC 250 Hot Water Storage Tank



Main features	
Application	Hot water tank intended for DHW heating, with integrated enamelled heat exchanger. It comes fitted with 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) or water/glycerine mixture (max. 2:1) (heat exchangers)
Code	15860

Energy Efficiency Data (as per EC Regulation No. 812/2013)	
Energy efficiency class	C
Standing loss	87 W
Storage volume	264 l

Technical data	
Total tank volume	274 l
Fluid volume in tank	264 l
Heat exchanger (HE) volume	10 l
Heat exchanger surface area	1.5 m ²
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
Tank diameter	500 mm
Tank diameter with insulation	584 mm
Tank overall height	1560 mm
Tipping height	1670 mm
Empty weight	97 kg

Hot water heating from 10 °C to 45 °C at heating water inlet temp. 60°C	
Heat exchanger	590 l/h (24 kW)

Materials	
Tank material	S235JR, inner surface enamelled (DIN 4753-3)
Heat exchanger material	S235JR+N, outer surface enamelled (DIN 4753-3)
Tank perimeter insulation	PUR foam (hard)
Insulation's outer surface	plastic

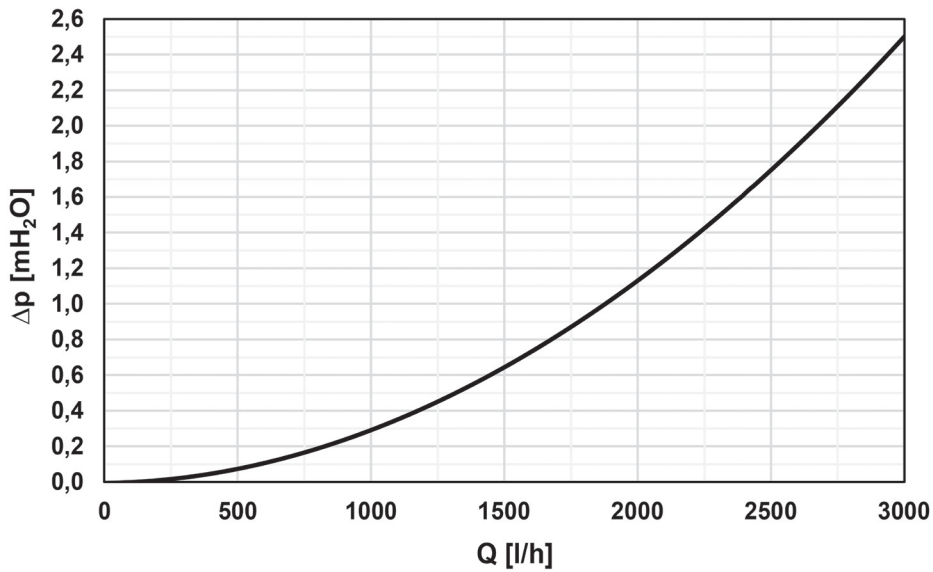
Accessories	
El. heating element	models ETT-A, D, F, P, M
Heating element max. length	500 mm
Electronic anode rod	code 9174

Spare parts (magnesium anode rods)	
Mg anode rod A1 (G 5/4")	code 448
Mg anode rod (G 5/4") with flange and gasket	code 15847

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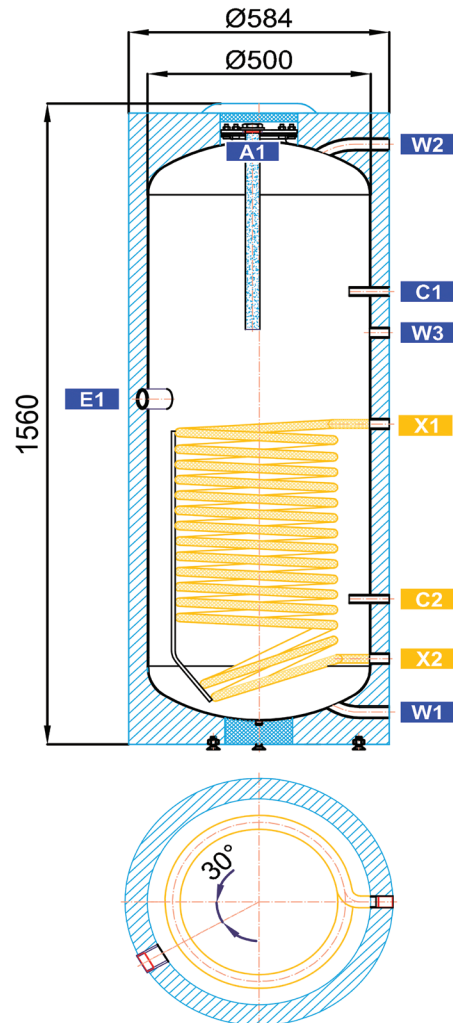
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Heat exchanger pressure drop



Dimensions

pos.	description	connection	height [mm]
DHW heating			
W1	cold water	G 3/4" M	74
W2	hot water	G 3/4" M	1454
W3	recirculation	G 3/4" F	996
Auxiliary heat source			
E1	electric heating element	G 6/4" F	835
Control and safety			
C1	temperature sensor-upper	G 1/2" F	1096
C2	temperature sensor-lower	G 1/2" F	349
Heat sources			
X1	supply from heat source	G 3/4" M	774
X2	return to heat source	G 3/4" M	204
Others			
A1	magnesium anode rod	G 5/4" F	1492



NOTE:

- 1) C1 and C2 tappings are supplied incl. adapter G 1/2" M – M12x1.5 and cable gland.
- 2) Earthing metal strip is run through the insulation next to the upper flange.