DATA SHEET

RBC 400 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	6479

Energy Efficiency Data (as per EC Regulation No. 812/2013)	
Energy efficiency class	C
Static loss	96 W
Storage volume	396 l

Technical data	
Total DHW tank volume	408 l
Fluid volume in DHW tank	396 l
Heat exchanger volume	12.0 l
Heat exchanger surface area	1.9 m²
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	600 mm
DHW tank diameter with insulation	710 mm
DHW tank overall height	1655 mm
Tipping height	1810 mm
DHW tank empty weight	131 kg

Power for hot water heating from 10 °C to 45 °C at heating water temperature 60 °C	
Heat exchanger performance	30 kW, (740 l/h)

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	635 mm / 470 mm
Electronic anode rod	code 17368
Electronic anode rod for flange	code 17432

Spare parts (magnesium anode rods)	
Mg anode rod (A1)	code 4025
Mg anode rod (A2)	code 4025

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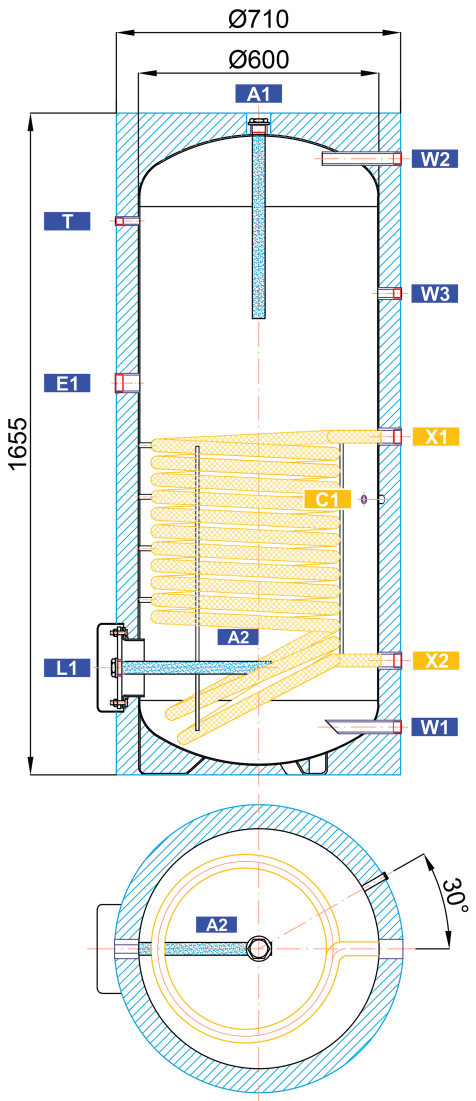
Dimensions



CONNECTIONS

pos.	description	connection	height [mm]
DHW heating			
W1	Cold water	G 1" F	79
W2	Hot water	G 1" F	1541
W3	Recirculation	G 3/4" F	1204
Auxiliary heat source			
E1	Electric heating element	G 6/4" F	980
Control and safety			
C1	Temperature sensor	G 1/2" F	689
T	Thermometer	G 1/2" F	1385
Heat sources			
X1	Supply from heat source	G 5/4" F	874
X2	Return to heat source	G 5/4" F	314
Others			
L1	Flange	8 x M10	268
A1	Magnesium anode rod	G 5/4" F	1620
A2	Magnesium anode rod	G 5/4" F	268

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Pressure drop diagram