


R2BC 400 Hot Water Storage Tank

	Main Features	
	Application	Hot water tank intended for DHW heating, with 2 integrated enamelled heat exchangers. 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	6483

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

Energy efficiency class	C
Static loss	96 W
Storage volume	401 l

Technical data

Total DHW tank volume	420 l
Fluid volume in DHW tank	401 l
Upper heat exchanger volume	7.0 l
Lower heat exchanger volume	12.0 l
Upper heat exchanger surface area	0.9 m ²
Lower heat exchanger surface area	1.9 m ²
Max. working temperature in DHW tank	95 °C
Max. working temperature in heat exchangers	110 °C
Max. working pressure in DHW tank	10 bar
Max. working pressure in heat exchangers	10 bar
DHW tank diameter	600 mm
DHW tank diameter with insulation	710 mm
DHW tank overall height	1690 mm
Tipping height	1840 mm
DHW tank empty weight	150 kg

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

Upper heat exchanger performance	14 kW, (350 l/h)
Lower 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

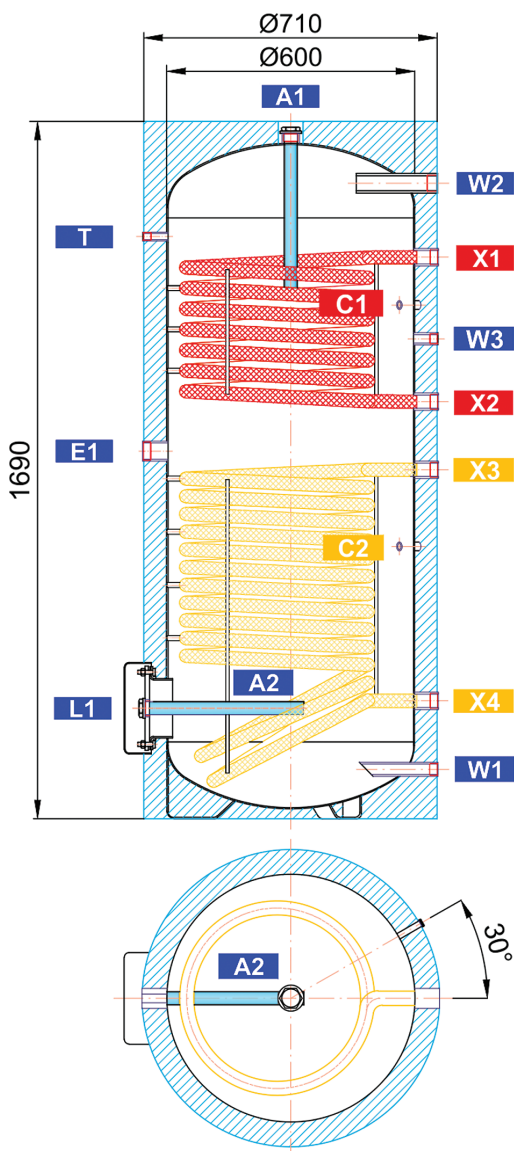
Electric heating element	models ETT-A, D2, M, N, R, S, F2, P, U
Heating element max. length for E1 / flange	635 mm / 470 mm
Electronic anode rod	code 17368
Electronic anode rod with flange for heating element	code 17432

R2BC 400 Hot Water Storage Tank

Spare parts (magnesium anode rods)

Mg anode rod (A1)	code 4025
Mg anode rod (A2)	code 4025

Dimensions



CONNECTIONS

pos.	description	connection	height [mm]
DHW heating			
W1	Cold water	G 1" F	79
W2	Domestic hot water	G 1" F	1581
W3	Recirculation	G 3/4" F	1163
Auxiliary heat source			
E1	Electric heating element	G 6/4" F	891
Control and safety			
C1	Temperature sensor	G 1/2" F	1245
C2	Temperature sensor	G 1/2" F	660
T	Thermometer	G 1/2" F	1411
Heat sources			
X1	Supply from heat source	G 5/4" F	1361
X2	Return to heat source	G 5/4" F	1011
X3	Supply from heat source	G 5/4" F	846
X4	Return to heat source	G 5/4" F	286
Others			
L1	Flange	8 x M10	268
A1	Magnesium anode rod	G 5/4" F	1660
A2	Magnesium anode rod	G 5/4" F	268

R2BC 400 Hot Water Storage Tank

Pressure drop diagram

