

R2BC 3000 Hot Water Storage Tank

R2BC 3000



Electric heating elements

model A



model M



Magnesium anode rod



Main features	
Application	DHW heating
Description	hot water storage tank with integrated enamelled heat exchanger, permitting installation of an el. heating element
Working fluid	water (tank), water or water/glycol mixture (max. 1:1) (heat exchanger)
Code	8474

Energy Efficiency Data (as per EC Regulation No. 812/2013)	
	R2BC 3000
Energy efficiency class	N/A
Standing loss	354 W
Storage volume	2786 l

Technical data	
Total tank volume	2841 l
Fluid volume in tank	2786 l
Upper heat exchanger (HE) volume	23 l
Lower heat exchanger volume	32 l
Upper heat exchanger surface area	3,8 m ²
Lower heat exchanger surface area	5,2 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

Hot water heating from 10 °C to 45 °C at heating water temp. of 60 °C	
Upper heat exchanger	3110 l/h (126,0 kW)
Lower heat exchanger	4160 l/h (168,6 kW)

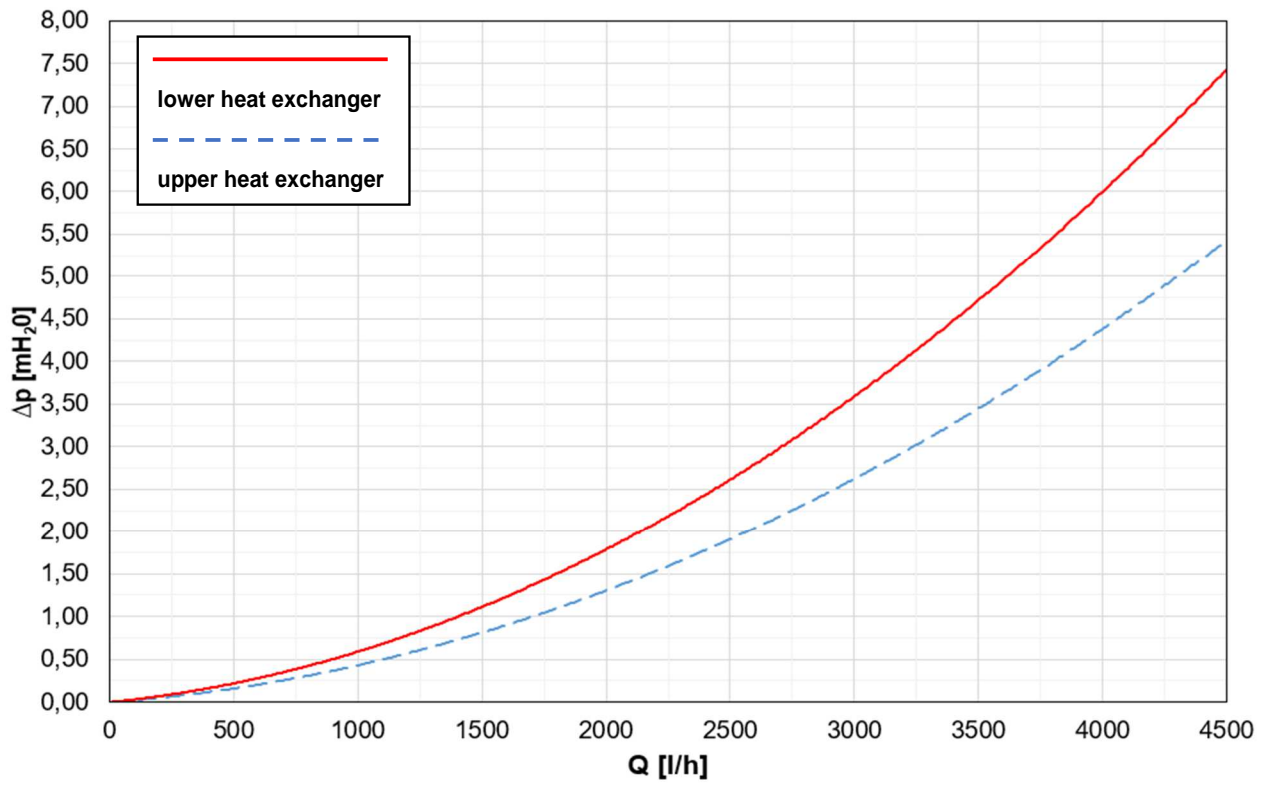
Materials	
Tank material	S235JR, inner surface enamelled (DIN 4756)
Heat exchanger material	S235JR+N, outer surface enamelled (DIN 4756)
Tank perimeter insulation	PU foam (soft)
Insulation's outer surface	PVC / ABS

Dimensions, Tipping height, Weight	
Tank diameter	1200 mm
Tank diameter with insulation	1400 mm
Tank overall height	2980 mm
Tipping height	3300 mm
Empty weight	600 kg

Accessories	
El. heating element	models ETT-A, D, F, G, M
Heating elem. max. length / output	815 mm / 12,0 kW
Electronic anode rod	code 14 429

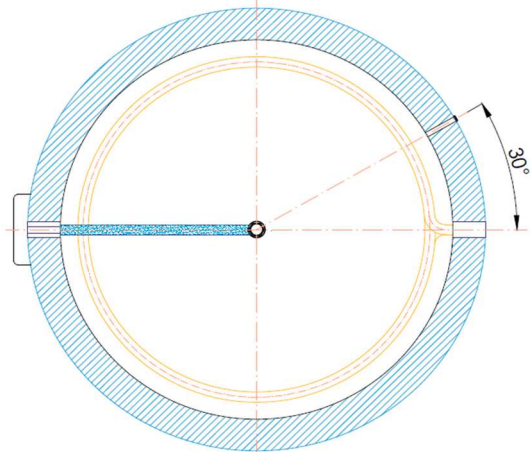
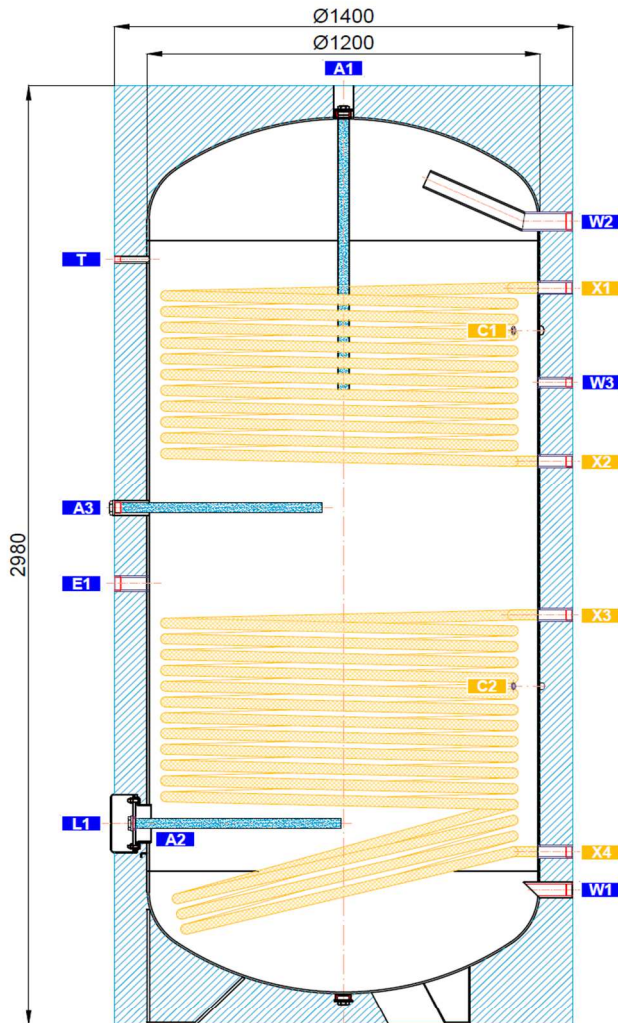
Spare parts (magnesium anode rods)	
Mg anode r. (A1), G 5/4"	code 3 698
Mg anode r. - into flange (A2,3), G 5/4"	code 464
Mg anode r. - chain type, G 5/4"	code 13 112

Heat exchanger pressure drop



Dimensions

Tipping height 3300 mm.



TAPPINGS

pos.	connection	height [mm]
DHW heating		
W1	G 2" F	430
W2	G 2" F	2550
W3	G 1" F	2040
El. heating elements		
E1	G 6/4" F	1400
Control and safety		
C1	G 1/2" F	2040
C2	G 1/2" F	1075
T	G 1/2" F	2430
Solar thermal system		
X1	G 5/4" F	2340
X2	G 5/4" F	1790
X3	G 5/4" F	1300
X4	G 5/4" F	550
Flange		
L1	8 x M10	640
Magnesium anode rod		
A1	G 5/4" F	2900
A2	G 5/4" F	640
A3	G 5/4" F	1640