

R2DC 160 Hot Water Storage Tank

v1.1.2_04/2017

R2DC 160



Main features	
Application	DHW heating
Description	hot water storage tank with 2 integrated enamelled heat exchangers, permitting installation of an el. heating element
Working fluid	water (tank); water, water/glycol mixture (max. 1:1) or water/glycerine mixture (max. 2:1) (heat exchangers)
Code	13 490

Energy Efficiency Data (as per EC Regulation No. 813/2013)	
	R2DC 160
Energy efficiency class	C
Standing loss	75 W
Storage volume	144 l

Technical data	
Total tank volume	153 l
Fluid volume in tank	144 l
Upper heat exchanger (HE) volume	4 l
Lower heat exchanger (HE) volume	5 l
Upper heat exchanger surface area	0,7 m ²
Lower heat exchanger surface area	0,8 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

Materials	
Tank material	S235JR, inner surface enamelled (DIN 4756)
Heat exchanger material	S235JR+N, outer surface enamelled (DIN 4756)
Tank perimeter insulation	PUR foam (hard)
Insulation's outer surface	plastic

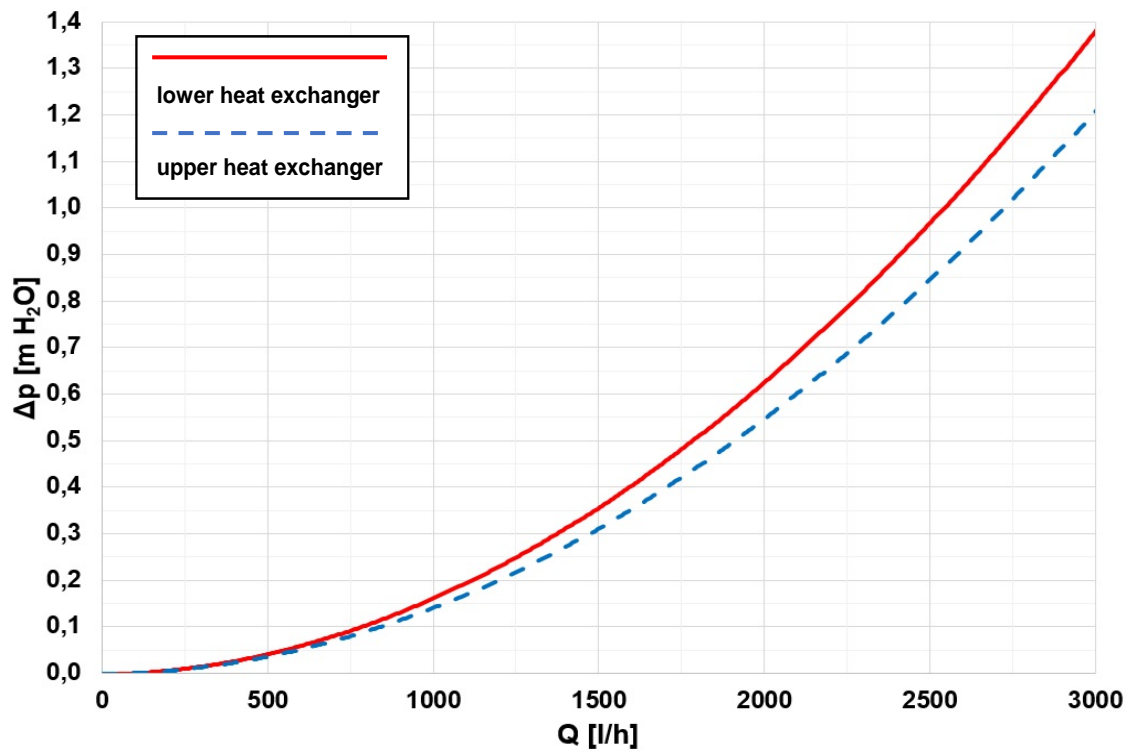
Hot water heating from 10 °C to 45 °C at heating water temp. of 60 °C	
Upper heat exchanger	418 l/h (17 kW)
Lower heat exchanger	467 l/h (19 kW)

Dimensions, Tipping height, Weight	
Tank diameter	500 mm
Tank diameter with insulation	584 mm
Tank overall height	1075 mm
Tipping height	1210 mm
Empty weight	76 kg

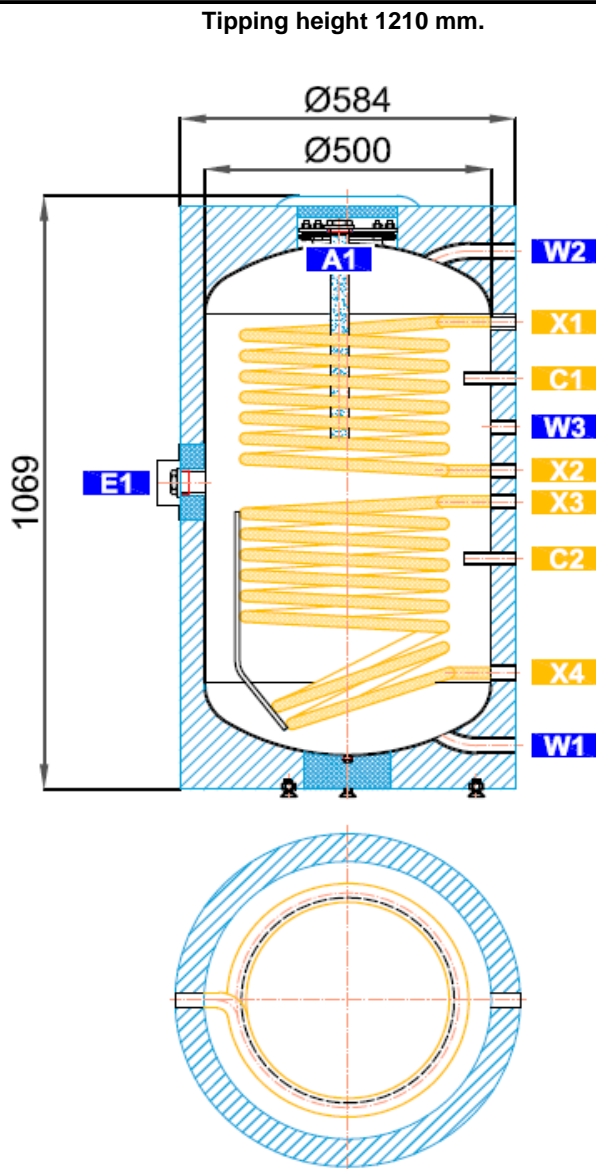
Accessories	
El. heating element	models ETT-A, D, F, G, M
Heating elem. max. length / output	495 mm / 6,0 kW
Electronic anode rod	code 9 173

Spare parts (magnesium anode rods)	
Mg anode rod A1 (G 5/4")	code 4 025
Mg anode rod A2 (G 3/4")	-
Mg anode rod (G 3/4") with flange and gasket	code 15 846

Heat exchanger pressure drop



Dimensions



TAPPINGS

pos.	connection	height [mm]
DHW heating		
W1	G 3/4" M	79
W2	G 3/4" M	970
W3	G 3/4" F	653
El. heating elements		
E1	G 6/4" F	553
Control and safety		
C1	G 1/2" F	740
C2	G 1/2" F	417
Solar thermal system		
X1	G 3/4" M	841
X2	G 3/4" M	577
X3	G 3/4" M	518
X4	G 3/4" M	210
Magnesium anode rod		
A1	G 5/4" F	1010

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