

DATA SHEET

R2BC 1500 Hot Water Storage Tank



| Main features | |
|---------------|---|
| Description | Hot water tank intended for DHW heating, with 2 integrated enamelled heat exchangers. 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 or water/glycol mixture (max. 1:1) (heat exchanger) |
| Code | 16712 |

| Energy Efficiency Data (as per EC Regulation No. 812/2013) | |
|--|--------|
| Energy efficiency class | N/A |
| Standing loss | 132 W |
| Storage volume | 1451 l |

| Technical data | |
|-----------------------------------|--------------------|
| Total tank volume | 1493 l |
| Fluid volume in tank | 1451 l |
| Upper heat exchanger (HE) volume | 15 l |
| Lower heat exchanger volume | 27 l |
| Upper heat exchanger surface area | 2,5 m ² |
| Lower heat exchanger surface area | 4,2 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 |
| Tank diameter | 1000 mm |
| Tank diameter with insulation | 1200 mm |
| Tank overall height | 2285 mm |
| Tipping height | 2590 mm |
| Empty weight | 431 kg |

| Hot water heating from 10 °C to 45 °C at heating water temperature 60 °C | |
|--|------------------|
| Upper heat exchanger | 990 l/h (40 kW) |
| Lower heat exchanger | 1660 l/h (67 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 | fleece |
| Insulation's outer surface | PVC |

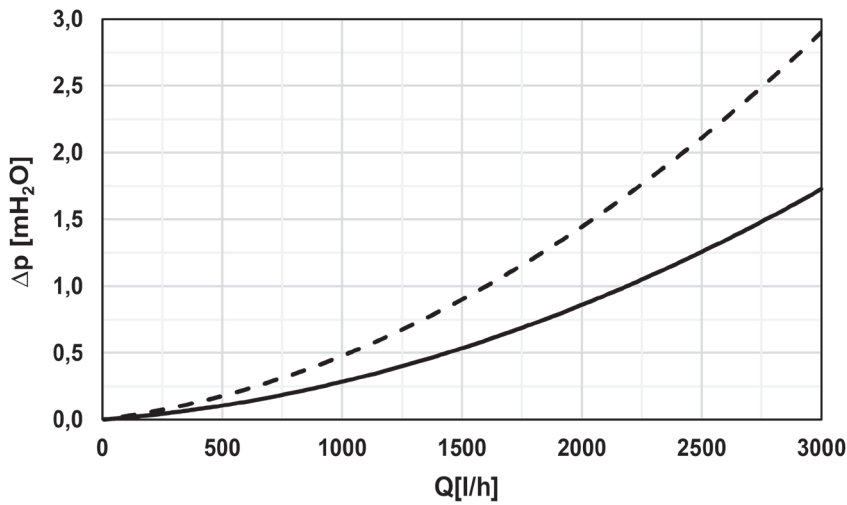
| Accessories | |
|----------------------------------|--------------------------|
| El. heating element | models ETT-A, D, F, P, M |
| Heating element max. length | 815 mm |
| Electronic anode rod | code 14429 |
| Electronic anode rod with flange | code 17435 |

| Spare parts (magnesium anode rods) | |
|--|------------|
| Mg anode rod A1 (G 5/4") | code 3698 |
| Mg anode rod (G 3/4") with flange and gasket | code 448 |
| Mg anode rod – chain type (G 5/4") | code 13112 |

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Heat exchanger pressure drop



--- lower heat exchanger

— upper heat exchanger

Dimensions

| pos. | description | connection | height [mm] |
|------------------------------|----------------------------|------------|-------------|
| DHW heating | | | |
| W1 | cold water | G 2" F | 315 |
| W2 | hot water | G 2" F | 1935 |
| W3 | recirculation | G 1" F | 1460 |
| Auxiliary heat source | | | |
| E1 | electric heating element | G 6/4" F | 1255 |
| Control and safety | | | |
| C1 | temperature sensor – upper | G 1/2" F | 1460 |
| C2 | temperature sensor – lower | G 1/2" F | 945 |
| T | temperature indicator | G 1/2" F | 1825 |
| Heat sources | | | |
| X1 | supply from heat source | G 5/4" F | 1735 |
| X2 | return to heat source | G 5/4" F | 1330 |
| X3 | supply from heat source | G 5/4" F | 1180 |
| X4 | return to heat source | G 5/4" F | 470 |
| Others | | | |
| L1 | flange | 8 x M10 | 520 |
| A1 | magnesium anode rod | G 5/4" F | 2285 |
| A2 | magnesium anode rod | G 5/4" F | 520 |

