


**R2BC 3000 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          | 8474   |

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

|                         |        |
|-------------------------|--------|
| Energy efficiency class | N/A    |
| Static loss             | 354 W  |
| Storage volume          | 2786 l |

**Technical data**

|   |                    |
|---|--------------------|
| Total DHW tank volume                       | 2841 l             |
| Fluid volume in DHW tank                    | 2786 l             |
| Upper heat exchanger volume                 | 23.0 l             |
| Lower heat exchanger volume                 | 32.0 l             |
| Upper heat exchanger surface area           | 3.8 m <sup>2</sup> |
| Lower heat exchanger surface area           | 5.2 m <sup>2</sup> |
| 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                           | 1200 mm            |
| DHW tank diameter with insulation           | 1400 mm            |
| DHW tank overall height                     | 2980 mm            |
| Tipping height                              | 3300 mm            |
| DHW tank empty weight                       | 698 kg             |

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

|                                  |                   |
|----------------------------------|-------------------|
| Upper heat exchanger performance | 61 kW, (1510 l/h) |
| Lower heat exchanger performance | 83 kW, (2050 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 (soft)                               |
| DHW tank outer surface insulation | PVC  |

**Accessories**

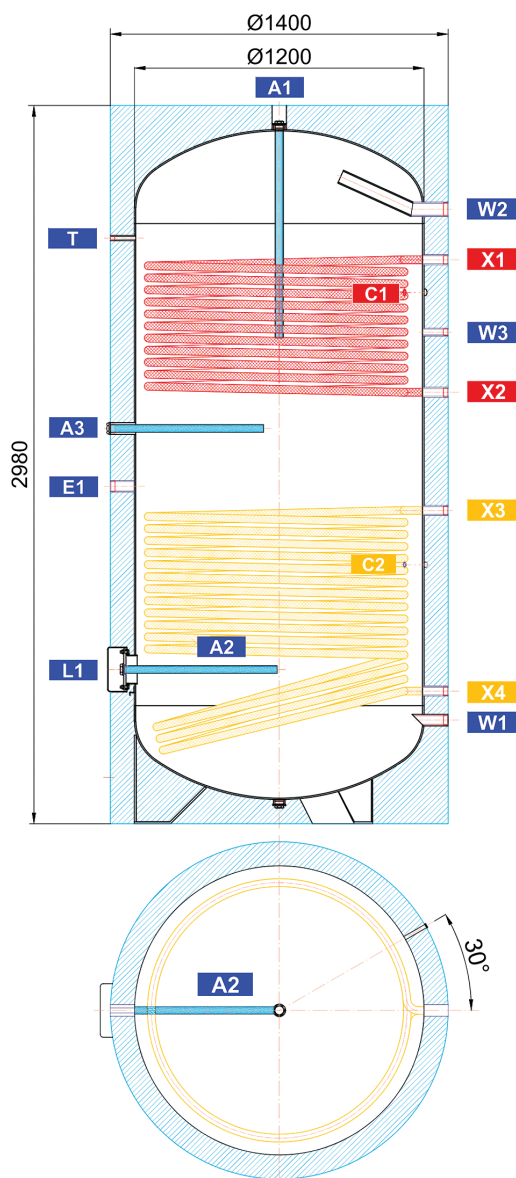
|  |  |
|--|--|
| Electric heating element                             | models ETT-A, D2, M, N, R, S, F2, P, U |
| Heating element max. length for E1 / flange          | 815 mm / 815 mm                        |
| Electronic anode rod                                 | code 17371                             |
| Electronic anode rod with flange for heating element | code 17436                             |

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### Spare parts (magnesium anode rods)

|                           |            |
|---------------------------|------------|
| Mg anode rod (A1)         | code 3698  |
| Mg anode rod (A2)         | code 464   |
| Mg anode rod (A3)         | code 464   |
| Mg anode rod - chain type | code 13112 |

### Dimensions



### CONNECTIONS

| pos.                         | description              | connection | height [mm] |
|------------------------------|--------------------------|------------|-------------|
| <b>DHW heating</b>           |                          |            |             |
| W1                           | Cold water               | G 2" F     | 430         |
| W2                           | Domestic hot water       | G 2" F     | 2550        |
| W3                           | Recirculation            | G 1" F     | 2040        |
| <b>Auxiliary heat source</b> |                          |            |             |
| E1                           | Electric heating element | G 6/4" F   | 1400        |
| <b>Control and safety</b>    |                          |            |             |
| C1                           | Temperature sensor       | G 1/2" F   | 2205        |
| C2                           | Temperature sensor       | G 1/2" F   | 1075        |
| T                            | Thermometer              | G 1/2" F   | 2430        |
| <b>Heat sources</b>          |                          |            |             |
| X1                           | Supply from heat source  | G 5/4" F   | 2340        |
| X2                           | Return to heat source    | G 5/4" F   | 1790        |
| X3                           | Supply from heat source  | G 5/4" F   | 1300        |
| X4                           | Return to heat source    | G 5/4" F   | 550         |
| <b>Others</b>                |                          |            |             |
| L1                           | Flange                   | 8 x M10    | 640         |
| A1                           | Magnesium anode rod      | G 5/4" F   | 2900        |
| A2                           | Magnesium anode rod      | G 5/4" F   | 640         |
| A3                           | Magnesium anode rod      | G 5/4" F   | 1640        |

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Pressure drop diagram

