


**RBC 1500 Hot Water Storage Tank**

|  | Main Features |                                                                                                                                                                                                                                                                                                                                                                                                                         |
|-----------------------------------------------------------------------------------|---------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|                                                                                   | Application   | Hot water tank intended for DHW heating, with integrated enamelled heat exchanger. 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          | 16710                                                                                                                                                                                                                                                                                                                                                                                                                   |

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

|                         |        |
|-------------------------|--------|
| Energy efficiency class | N/A    |
| Static loss             | 153 W  |
| Storage volume          | 1466 l |

**Technical data**

|                                            |                    |
|--------------------------------------------|--------------------|
| Total DHW tank volume                      | 1492 l             |
| Fluid volume in DHW tank                   | 1466 l             |
| Heat exchanger volume                      | 26.0 l             |
| Heat exchanger surface area                | 4.2 m <sup>2</sup> |
| Max. working temperature in DHW tank       | 95 °C              |
| Max. working temperature in heat exchanger | 110 °C             |
| Max. working pressure in DHW tank          | 10 bar             |
| Max. working pressure in heat exchanger    | 10 bar             |
| DHW tank diameter                          | 1000 mm            |
| DHW tank diameter with insulation          | 1200 mm            |
| DHW tank overall height                    | 2285 mm            |
| Tipping height                             | 2590 mm            |
| DHW tank empty weight                      | 394 kg             |

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

|                            |                   |
|----------------------------|-------------------|
| Heat exchanger performance | 67 kW, (1660 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               | fleece                                       |
| DHW tank outer surface insulation | PVC                                          |

**Accessories**

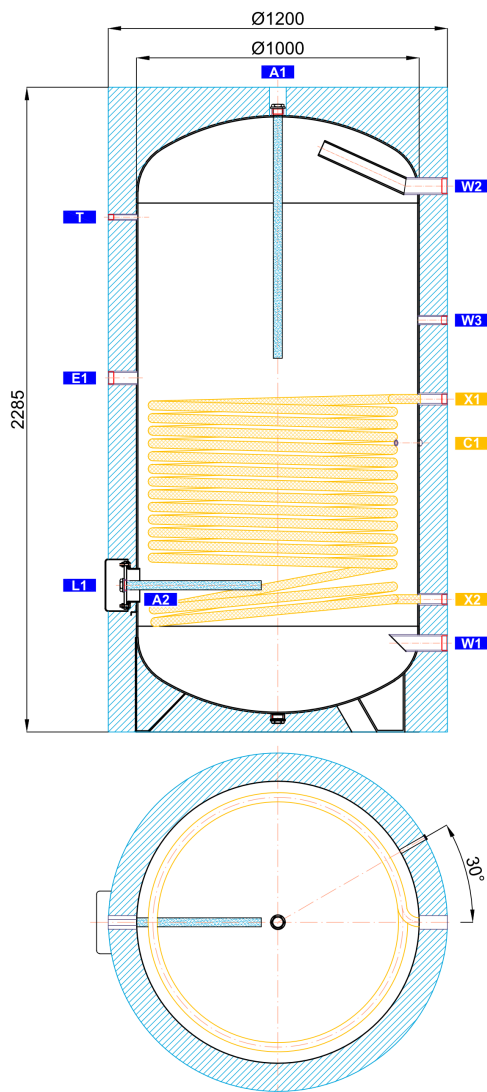
|                                             |                                        |
|---------------------------------------------|----------------------------------------|
| Electric heating element                    | models ETT-A, D2, M, N, R, S, F2, P, U |
| Heating element max. length for E1 / flange | 815 mm / 815 mm                        |
| Electronic anode rod                        | code 14429                             |
| Electronic anode rod for flange             | code 17435                             |

**Spare parts (magnesium anode rods)**

|                           |            |
|---------------------------|------------|
| Mg anode rod (A1)         | code 3698  |
| Mg anode rod (A2)         | code 448   |
| Mg anode rod - chain type | code 13112 |

## RBC 1500 Hot Water Storage Tank

### Dimensions



### CONNECTIONS

| pos.                         | description              | connection | height [mm] |
|------------------------------|--------------------------|------------|-------------|
| <b>DHW heating</b>           |                          |            |             |
| W1                           | Cold water               | G 2" F     | 315         |
| W2                           | Hot water                | G 2" F     | 1935        |
| W3                           | Recirculation            | G 1" F     | 1460        |
| <b>Auxiliary heat source</b> |                          |            |             |
| E1                           | Electric heating element | G 6/4" F   | 1255        |
| <b>Control and safety</b>    |                          |            |             |
| C1                           | Temperature sensor       | G 1/2" F   | 943         |
| T                            | Thermometer              | G 1/2" F   | 1825        |
| <b>Heat sources</b>          |                          |            |             |
| X1                           | Supply from heat source  | G 5/4" F   | 1180        |
| X2                           | Return to heat source    | G 5/4" F   | 470         |
| <b>Others</b>                |                          |            |             |
| L1                           | Flange                   | 8 x M10    | 520         |
| A1                           | Magnesium anode rod      | G 5/4" F   | 2205        |
| A2                           | Magnesium anode rod      | G 5/4" F   | 520         |

**RBC 1500 Hot Water Storage Tank****Pressure drop diagram**