

DATA SHEET

RBC 200 HP Hot Water Storage Tank



| Main features | |
|---------------|---|
| Application | Hot water tank intended for DHW heating, with 1 upsized enamelled heat exchanger. 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, water/glycol mixture (max. 1:1) or water/glycerine mixture (max. 2:1) (heat exchanger) |
| Code | 10534 |

| Energy Efficiency Data (as per EC Regulation No. 812/2013) | |
|--|-------|
| Energy efficiency class | C |
| Standing loss | 72 W |
| Storage volume | 192 l |

| Technical data | |
|----------------------------------|------------------|
| Total tank volume | 205 l |
| Fluid volume in tank | 192 l |
| Heat exchanger (HE) volume | 13 l |
| Heat exchanger surface area | 3 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 | 500 mm |
| Tank diameter with insulation | 610 mm |
| Tank overall height | 1265 mm |
| Tipping height | 1410 mm |
| Empty weight | 128 kg |

| Hot water heating from 10 °C to 45 °C at heating water inlet temperature 60 °C | |
|--|-----------------|
| Heat exchanger | 940 l/h (38 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 | PU foam (hard) |
| Insulation's outer surface | PVC |

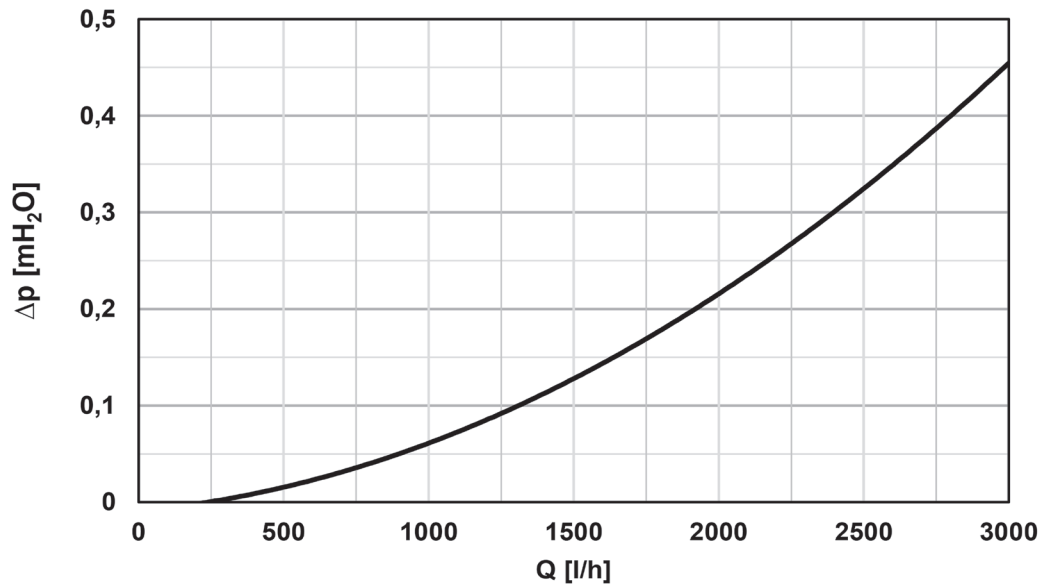
| Accessories | |
|----------------------------------|--------------------------|
| El. heating element | models ETT-A, D, F, P, M |
| Heating elem. max. length | 500 mm |
| Electronic anode rod | code 17375 |
| Electronic anode rod with flange | code 17434 |

| Spare parts (magnesium anode rods) | |
|------------------------------------|----------|
| Mg anode rod (A3), G 5/4" | code 464 |

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Heat exchanger pressure drop



Dimensions

| pos. | description | connection | height [mm] |
|------------------------------|----------------------------|------------|-------------|
| DHW heating | | | |
| W1 | cold water | G 1" F | 67 |
| W2 | hot water | G 1" F | 1164 |
| W3 | recirculation | G 3/4" F | 990 |
| Auxiliary heat source | | | |
| E1 | electric heating element | G 6/4" F | 940 |
| Control and safety | | | |
| C1 | temperature sensor – upper | G 1/2" F | 593 |
| T | temperature indicator | G 1/2" F | 1040 |
| Heat sources | | | |
| X1 | supply from heat source | G 5/4" F | 890 |
| X2 | return to heat source | G 5/4" F | 210 |
| Others | | | |
| L1 | flange | 8 x M10 | 257 |
| A3 | magnesium anode rod | G 5/4" F | 1230 |

