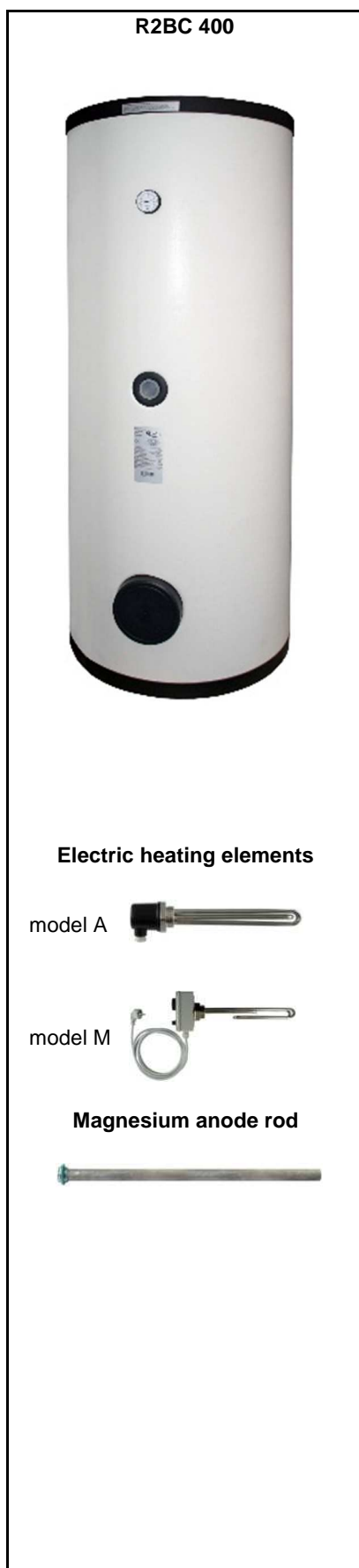


## R2BC 400 Hot Water Storage Tank

v1.2\_06/2018



| Main features |                                                                                                                    |
|---------------|--------------------------------------------------------------------------------------------------------------------|
| Application   | DHW heating                                                                                                        |
| Description   | hot water storage tank with integrated enamelled heat exchanger, permitting installation of an el. heating element |
| Working fluid | water (tank), water or water/glycol mixture (max. 1:1) (heat exchanger)                                            |
| <b>Code</b>   | <b>6483</b>                                                                                                        |

| Energy Efficiency Data (as per EC Regulation No. 812/2013) |                 |
|------------------------------------------------------------|-----------------|
|                                                            | <b>R2BC 400</b> |
| Energy efficiency class                                    | <b>C</b>        |
| Standing loss                                              | <b>96 W</b>     |
| Storage volume                                             | <b>401 l</b>    |

| Technical data                    |                    |
|-----------------------------------|--------------------|
| Total tank volume                 | 420 l              |
| Fluid volume in tank              | 401 l              |
| Upper heat exchanger (HE) volume  | 7 l                |
| Lower heat exchanger volume       | 12 l               |
| Upper heat exchanger surface area | 0,9 m <sup>2</sup> |
| Lower heat exchanger surface area | 1,9 m <sup>2</sup> |
| 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             |

| Hot water heating from 10 °C to 45 °C at heating water temp. of 60 °C |                    |
|-----------------------------------------------------------------------|--------------------|
| Upper heat exchanger                                                  | 760 l/h (31,1 kW)  |
| Lower heat exchanger                                                  | 1620 l/h (65,8 kW) |

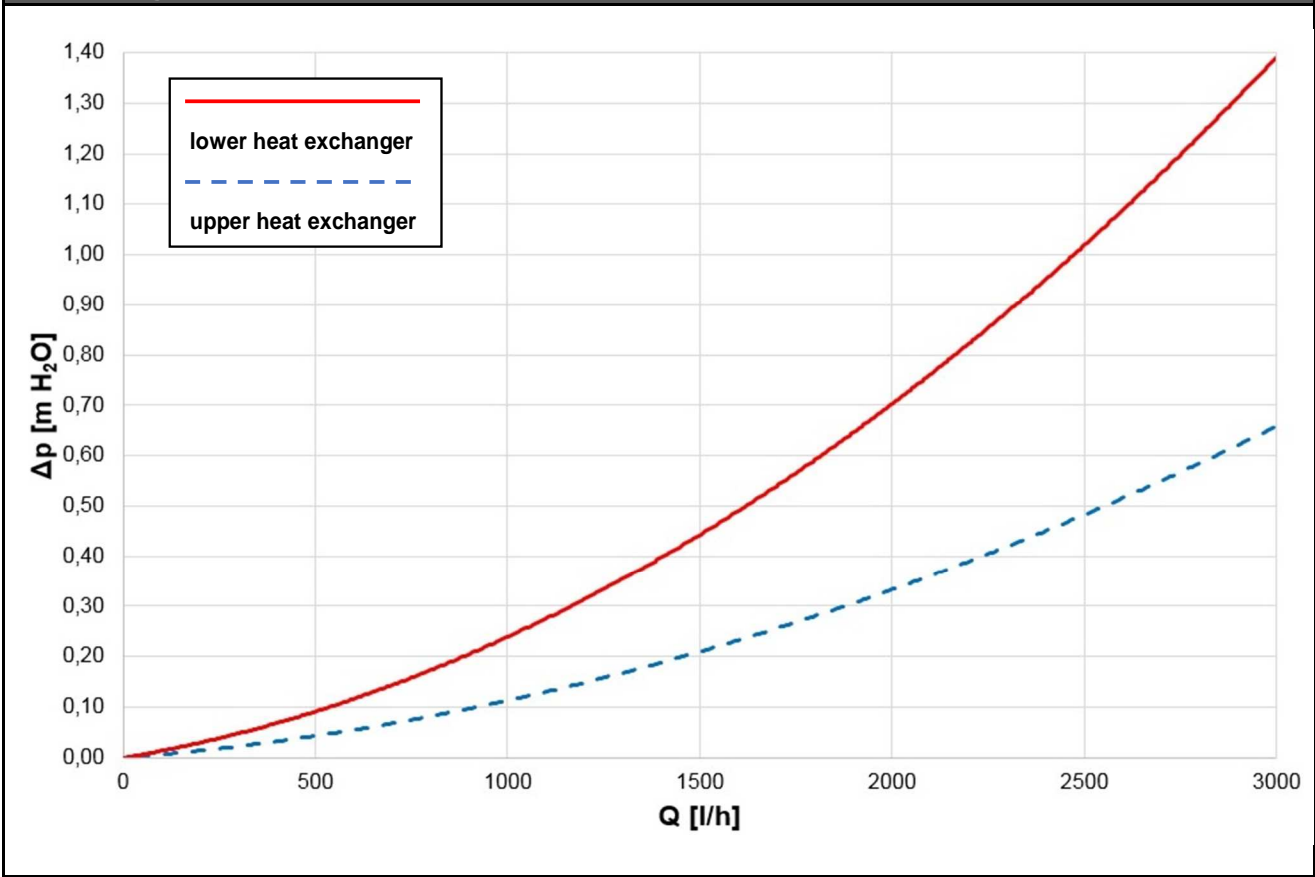
| Materials                  |                                              |
|----------------------------|----------------------------------------------|
| Tank material              | S235JR, inner surface enamelled (DIN 4756)   |
| Heat exchanger material    | S235JR+N, outer surface enamelled (DIN 4756) |
| Tank perimeter insulation  | PU foam (hard)                               |
| Insulation's outer surface | PVC / ABS                                    |

| Dimensions, Tipping height, Weight |         |
|------------------------------------|---------|
| Tank diameter                      | 600 mm  |
| Tank diameter with insulation      | 710 mm  |
| Tank overall height                | 1690 mm |
| Tipping height                     | 1840 mm |
| Empty weight                       | 150 kg  |

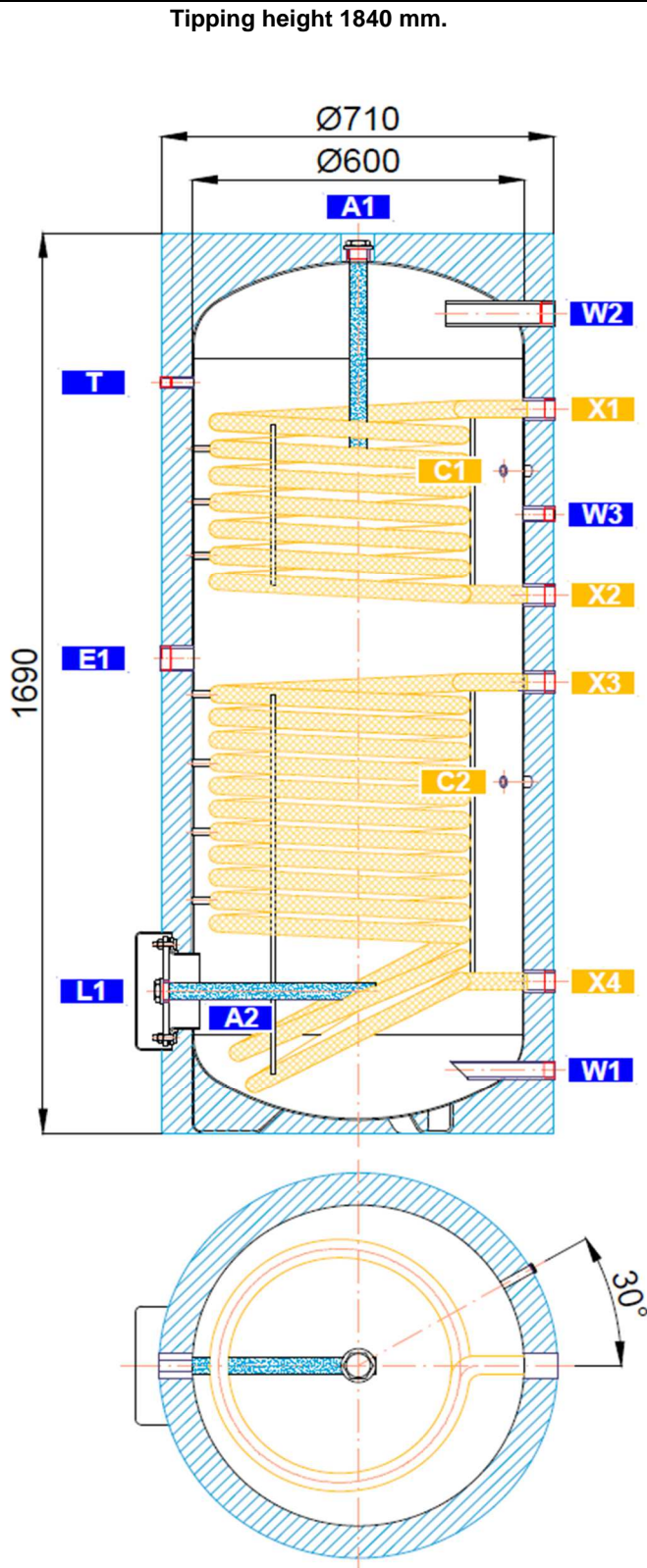
| Accessories                        |                          |
|------------------------------------|--------------------------|
| El. heating element                | models ETT-A, D, F, G, M |
| Heating elem. max. length / output | 585 mm / 7,5 kW          |
| Electronic anode rod               | code 9 174               |

| Spare parts (magnesium anode rods)       |            |
|------------------------------------------|------------|
| Mg anode r. (A1), G 5/4"                 | code 4 025 |
| Mg anode r. - into flange (A2,3), G 5/4" | code 4 026 |

Heat exchanger pressure drop



Dimensions



TAPPINGS

| pos.                        | connection | height [mm] |
|-----------------------------|------------|-------------|
| <b>DHW heating</b>          |            |             |
| W1                          | G 1" F     | 79          |
| W2                          | G 1" F     | 1581        |
| W3                          | G 3/4" F   | 1163        |
| <b>El. heating elements</b> |            |             |
| E1                          | G 6/4" F   | 891         |
| <b>Control and safety</b>   |            |             |
| C1                          | G 1/2" F   | 1163        |
| C2                          | G 1/2" F   | 660         |
| T                           | G 1/2" F   | 1411        |
| <b>Solar thermal system</b> |            |             |
| X1                          | G 5/4" F   | 1361        |
| X2                          | G 5/4" F   | 1011        |
| X3                          | G 5/4" F   | 846         |
| X4                          | G 5/4" F   | 286         |
| <b>Flange</b>               |            |             |
| L1                          | 8 x M10    | 268         |
| <b>Magnesium anode rod</b>  |            |             |
| A1                          | G 5/4" F   | 1665        |
| A2                          | G 5/4" F   | 268         |