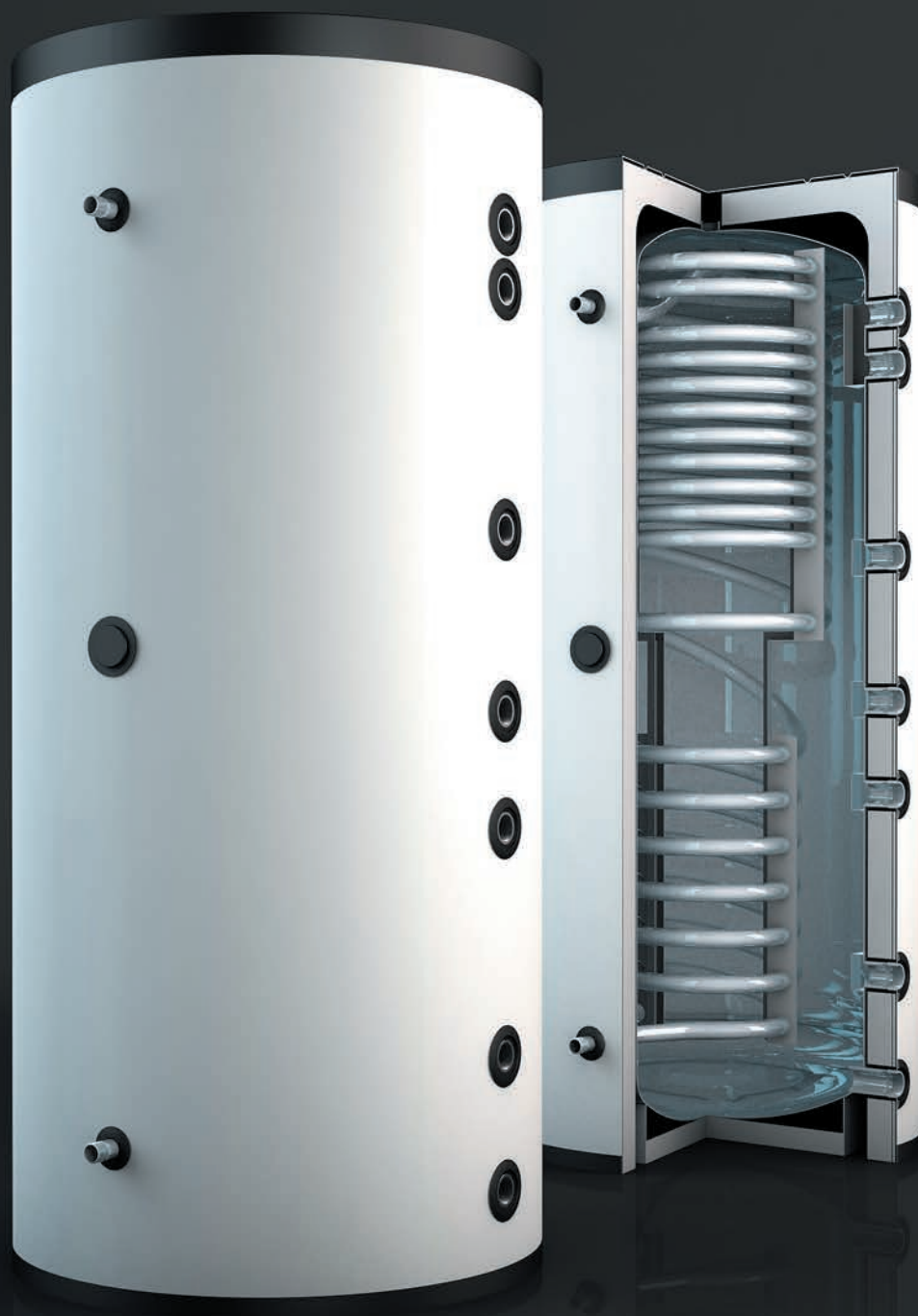


# H 500 - 2000



# Hygienic storage tank

## H 500 - 2000

### Application

This buffer tank with its integrated stainless steel pipe can be used with various heating sources, such as boilers for gas, oil and solid fuels, or with heat pumps.

### Corrosion protection for parts with drinking water contact

Stainless steel 1.4404

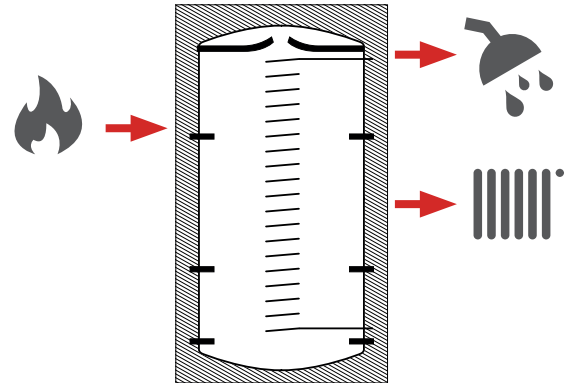
### External corrosion protection

Powder-coated

### Heat insulation

Type 500-1000: 70 mm PU rigid foam half-shell with soft sleeve

Type 1500-2000: 85 mm PU rigid foam half-shell with soft sleeve



Model overview H 500 - 2000

| Type   | Article no. | Volume | Height with insulation | Tilt height | Installation diameter | Weight (empty) | Surface corrugated pipe top | Output figure | Energy efficiency class |
|--------|-------------|--------|------------------------|-------------|-----------------------|----------------|-----------------------------|---------------|-------------------------|
| Unit   | [-]         | [l]    | [mm]                   | [mm]        | [mm]                  | [kg]           | [m²]                        | [-]           | [-]                     |
| H 500  | STD0500H    | 497    | 1750                   | 1740        | 650                   | 180            | 5,5                         | 3             | C                       |
| H 800  | STD0800H    | 772    | 1970                   | 1950        | 750                   | 191            | 6                           | 3,8           | C                       |
| H 1000 | STD1000H    | 902    | 2120                   | 2100        | 790                   | 219            | 6                           | 4             | C                       |
| H 1500 | STD1500H    | 1526   | 2220                   | 2220        | 1000                  | 345            | 9,8                         | 9,3           | C                       |
| H 2000 | STD2000H    | 1998   | 2420                   | 2410        | 1100                  | 375            | 9,8                         | 10,4          | C                       |

## Hygienic storage tank

### Technical specifications H 500 - 2000

| Type                                               | Unit    | H 500               | H 800    | H 1000   | H 1500      | H 2000      |
|----------------------------------------------------|---------|---------------------|----------|----------|-------------|-------------|
| Article no.                                        | [-]     | STD0500H            | STD0800H | STD1000H | STD1500H.02 | STD2000H.02 |
| Volume                                             | [l]     | 497                 | 772      | 902      | 1526        | 1998        |
| Content heating side                               | [l]     | 469                 | 742      | 872      | 1476        | 1948        |
| Content drinking water                             | [l]     | 28                  | 30       | 30       | 50          | 50          |
| Height with insulation                             | [mm]    | 1750                | 1970     | 2120     | 2220        | 2420        |
| Diameter with insulation                           | [mm]    | 810                 | 910      | 950      | 1200        | 1300        |
| Diameter without insulation                        | [mm]    | 650                 | 750      | 790      | 1000        | 1100        |
| Tilt height                                        | [mm]    | 1740                | 1950     | 2100     | 2220        | 2410        |
| Installation diameter                              | [mm]    | 650                 | 750      | 790      | 1000        | 1100        |
| Weight (empty)                                     | [kg]    | 180                 | 191      | 219      | 345         | 375         |
| Max. operating pressure heating side               | [bar]   | 3                   | 3        | 3        | 3           | 3           |
| Test pressure heating side                         | [bar]   | 4,5                 | 4,5      | 4,5      | 4,5         | 4,5         |
| Max. operating pressure hot drinking water side    | [bar]   | 6                   | 6        | 6        | 6           | 6           |
| Test pressure hot drinking water side              | [bar]   | 9                   | 9        | 9        | 9           | 9           |
| Max. operating temperature heating side            | [°C]    | 95                  | 95       | 95       | 95          | 95          |
| Max. operating temperature hot drinking water side | [°C]    | 95                  | 95       | 95       | 95          | 95          |
| Surface corrugated pipe top                        | [m²]    | 5,5                 | 6        | 6        | 9,8         | 9,8         |
| Insulation thickness                               | [mm]    | 70                  | 70       | 70       | 85          | 85          |
| Max. installation length EHP                       | [mm]    | 500                 | 500      | 500      | 750         | 750         |
| Output figure                                      | [-]     | 3                   | 3,8      | 4        | 9,3         | 10,4        |
| Standby heat loss                                  | [kWh/d] | 2,50                | 3,10     | 3,38     | 4,10        | 4,44        |
| Holding losses                                     | [W]     | 104                 | 129      | 141      | 171         | 185         |
| Efficiency class                                   | [-]     | C                   | C        | C        | C           | C           |
| Insulation material                                | [-]     | PU rigid foam shell |          |          |             |             |
| Corrosion protection                               | [-]     | Stainless steel     |          |          |             |             |

### Output data H 500 - 2000

|       |      | Storage tank fully charged                |          |          | Only top part of storage tank charged <sup>1</sup> |          |          |                                    |                                                     |         |
|-------|------|-------------------------------------------|----------|----------|----------------------------------------------------|----------|----------|------------------------------------|-----------------------------------------------------|---------|
|       |      | Initial output without heat generator [l] |          |          | Initial output without heat generator [l]          |          |          | Values as per DIN4708 <sup>2</sup> |                                                     |         |
|       |      | Draw-off rate                             |          |          | Draw-off rate                                      |          |          | Output figure                      | Maximum draw-off performance in 10 min <sup>3</sup> |         |
|       |      | 10 l/min                                  | 15 l/min | 20 l/min | 10 l/min                                           | 15 l/min | 20 l/min |                                    | [l]                                                 | [l/min] |
| HE TW | 500  | 373                                       | 319      | 281      | 260                                                | 234      | 209      | 3.0 (29 kW)                        | 232                                                 | 23.2    |
|       | 800  | 573                                       | 519      | 456      | 382                                                | 322      | 275      | 3.8 (30 kW)                        | 260                                                 | 26.0    |
|       | 1000 | 637                                       | 600      | 536      | 402                                                | 331      | 281      | 4.0 (33 kW)                        | 267                                                 | 26.7    |
|       | 1500 | 700                                       | 650      | 547      | 430                                                | 358      | 301      | 9.3 (70 kW)                        | 399                                                 | 39.9    |
|       | 2000 | 842                                       | 714      | 651      | 463                                                | 393      | 358      | 10.4 (80 kW)                       | 423                                                 | 42.3    |

1 - Heating from CW 10 °C to WW 45 °C; storage tank temperature 65 °C

2 - Heating from CW 10 °C to WW 45 °C; supply 70 °C; storage tank temperature CW + 50 K

3 - Data relative to output figure

## Connections and dimensions H 500 - 2000

| Connections |                            | Unit | H 500          | H 800          | H 1000         | H 1500         | H 2000         |
|-------------|----------------------------|------|----------------|----------------|----------------|----------------|----------------|
| ENT         | Ventilation                | [mm] | 1690<br>1¼" IT | 1910<br>1¼" IT | 2060<br>1¼" IT | 2170<br>1¼" IT | 2350<br>1¼" IT |
| WW          | Hot water                  | [mm] | 1410<br>1" OT  | 1670<br>1" OT  | 1820<br>1" OT  | 1835<br>1" OT  | 2000<br>1" OT  |
| KV 1        | Boiler supply 1            | [mm] | 1410<br>1½" IT | 1670<br>1½" IT | 1820<br>1½" IT | 1835<br>1½" IT | 2000<br>1½" IT |
| KV 2        | Boiler supply 2            | [mm] | 1300<br>1½" IT | 1560<br>1½" IT | 1710<br>1½" IT | 1725<br>1½" IT | 1890<br>1½" IT |
| HZV         | Heating supply             | [mm] | 1020<br>1½" IT | 1150<br>1½" IT | 1300<br>1½" IT | 1285<br>1½" IT | 1380<br>1½" IT |
| EHP         | Electric heating cartridge | [mm] | 900<br>1½" IT  | 950<br>1½" IT  | 1100<br>1½" IT | 1065<br>1½" IT | 1230<br>1½" IT |
| KR 1        | Boiler return 1            | [mm] | 820<br>1½" IT  | 870<br>1½" IT  | 990<br>1½" IT  | 975<br>1½" IT  | 1030<br>1½" IT |
| HZR 1       | Heating return 1           | [mm] | 620<br>1½" IT  | 670<br>1½" IT  | 790<br>1½" IT  | 775<br>1½" IT  | 830<br>1½" IT  |
| KR 2        | Boiler return 2            | [mm] | 390<br>1½" IT  | 400<br>1½" IT  | 400<br>1½" IT  | 465<br>1½" IT  | 480<br>1½" IT  |
| KW          | Cold water                 | [mm] | 260<br>1" OT   | 270<br>1" OT   | 270<br>1" OT   | 335<br>1" OT   | 350<br>1" OT   |
| HZR 2       | Heating return 2           | [mm] | 150<br>1½" IT  | 170<br>1½" IT  | 170<br>1½" IT  | 235<br>1½" IT  | 250<br>1½" IT  |

H 500 - 2000

