

**STIEBEL ELTRON**

**SBS**

601 W / sol

801 W / sol

1001 W / sol

1501 W / sol

WDH insulation for  
water cylinders

STIEBEL ELTRON



## SBS

### INSTANTANEOUS WATER CYLINDERS

The SBS cylinders come into their own where space is at a premium, as they are buffer and instantaneous water cylinder in one. This enables the highly effective indirect coils to improve the hygiene inside the cylinder since only smaller amounts of DHW need to be kept hot to deliver hot water to the entire house. The SOL versions allow an additional renewable energy source to be integrated easily into the system.



#### Product features

- › Buffer cylinder with added instantaneous domestic hot water coil
- › Made in Germany
- › Compatible with all STIEBEL ELTRON hydronic heat pumps
- › 599 – 1399 L buffer capacity
- › Highly efficient insulation available
- › Can be combined with a solar thermal system



| Type  | SBS<br>601 W | SBS<br>601 W SOL | SBS<br>801 W | SBS<br>801 W SOL | SBS<br>1001 W | SBS<br>1001 W SOL | SBS<br>1501 W   | SBS<br>1501 W SOL |                 |
|---|--------------|------------------|--------------|------------------|---------------|-------------------|-----------------|-------------------|-----------------|
| Article no.   | 229980       | 229984           | 229981       | 229985           | 229982        | 229986            | 229983          | 229987            |                 |
| Rated capacity                                      | l            | 613              | 599          | 759              | 740           | 941               | 916             | 1430              | 1399            |
| Capacity, lower indirect coil                       | l            | -                | 11.6         | -                | 14.9          | -                 | 19.8            | -                 | 23.6            |
| Content, indirect coil, DHW                         | l            | 31.2             | 31.2         | 33.9             | 33.9          | 52.1              | 45.4            | 45.4              | 52.1            |
| Surface area, lower indirect coil                   | m2           | -                | 1.5          | -                | 2.4           | -                 | 3.2             | -                 | 3.7             |
| Surface area, DHW indirect coil                     | m2           | 6.0              | 6.0          | 6.5              | 6.5           | 8.7               | 8.7             | 10.0              | 10.0            |
| Pressure drop at 1.0 m3/h, indirect coil, bottom    | hPa          | -                | 4            | -                | 28            | -                 | 35              | -                 | 40              |
| Pressure drop at 10/25/40 l/min                     | hPa          | 33 / 264 / -     | 33 / 264 / - | 35 / 284 / -     | 35 / 284 / -  | 47 / 378 / 1023   | 47 / 378 / 1023 | 53 / 432 / 1168   | 53 / 432 / 1168 |
| Maximum charge / discharge flow rate with zoning    | m3/h         | 1.8              | 1.8          | 2.0              | 2.0           | 2.4               | 2.4             | 3.0               | 3.0             |
| Maximum charge / discharge flow rate without zoning | m3/h         | 5.0              | 5.0          | 5.0              | 5.0           | 5.0               | 5.0             | 8.0               | 8.0             |
| Max. permissible pressure                           | mPa          | 0.3              | 0.3          | 0.3              | 0.3           | 0.3               | 0.3             | 0.3               | 0.3             |
| Test pressure                                       | mPa          | 0.45             | 0.45         | 0.45             | 0.45          | 0.45              | 0.45            | 0.45              | 0.45            |
| Max. permissible pressure, DHW                      | mPa          | 1.0              | 1.0          | 1.0              | 1.0           | 1.0               | 1.0             | 1.0               | 1.0             |
| Max. permissible temperature                        | °C           | 95               | 95           | 95               | 95            | 95                | 95              | 95                | 95              |
| Max. recommended collector aperture area            | m2           | -                | 12           | -                | 16            | -                 | 20              | -                 | 30              |
| Height  | mm           | 1665             | 1665         | 1830             | 1830          | 2240              | 2240            | 2155              | 2155            |
| Height incl. thermal insulation                     | mm           | 1775             | 1775         | 1940             | 1940          | 2350              | 2350            | 2265              | 2265            |
| Diameter  | mm           | 750              | 750          | 790              | 790           | 790               | 790             | 1000              | 1000            |
| Diameter incl. thermal insulation                   | mm           | 970              | 970          | 1010             | 1010          | 1010              | 1010            | 1220              | 1220            |
| Height of unit when tilted                          | mm           | 1840             | 1840         | 1880             | 1880          | 2285              | 2285            | 2225              | 2225            |
| Weight (wet)  | kg           | 735              | 780          | 949              | 1175          | 1175              | 1221            | 1738              | 1794            |
| Weight (dry)  | kg           | 135              | 180          | 150              | 195           | 175               | 220             | 236               | 291             |

STIEBEL ELTRON is committed to our policy of continual improvement, some features may have subsequently been changed or even removed. Our advisors will be happy to consult with you regarding the currently applicable equipment features. The images used in this data sheet are for reference only.