

## Pure+ Fresh-Water storage tank 1,000 litres with 1 smooth pipe heat exchanger



Fresh-water storage tank for highest demands on drinking water hygiene and energy efficiency.

The structure of fresh-water storage tanks differs fundamentally from conventional, large-volume domestic hot water storage tanks. A built-in corrugated stainless steel pipe separates the drinking water from the heating water and also serves as a high-performance heat exchanger. This combines the advantages of a buffer storage tank with those of an instantaneous water heater. The heating water serves as actual heat storage while the drinking water passes through the corrugated stainless steel pipe only if required and, this ensures a domestic water heating that is legionella-safe. You do not need a legionella protection programme in the control unit. At all times, the consumer is provided with hygienically perfect, fresh water at the desired temperature.

The additional smooth-pipe heat exchanger gives your customer the option of integrating an additional heat generator at any time and feeding its energy into the fresh-water storage tank.

### Data pursuant to EU regulation 814/2013

|                                       |   |
|---------------------------------------|---|
| Name of supplier's trade marks:       | OEG GmbH  |
| Model identification of the supplier: | 516008129 - Fresh-Water storage tank 1,000 litres with 1 smooth pipe heat exchanger |
| Heat retaining losses in watts:       | 55  |
| Storage tank volume in litres:        | 990   |

### General

|  |                              |
|--|------------------------------|
| OEG Nr.:   | 516008129                    |
| Rated volume according to EN 12897:                          | 1000                         |
| Colour:  | white                        |
| Insulation according to DIN 4102-1 Fire Protection Class B2: | removable segment insulation |
| Weight [kg]:   | 315                          |
| Total height including insulation [mm]:                      | 2350                         |
| Required height for cover assembly [mm]:                     | 2525                         |
| Diameter without insulation [mm]:                            | 790                          |
| Diameter with insulation [mm]:                               | 1015                         |
| Tilt height [mm]:  | 2280                         |

# Pure+ Fresh-Water storage tank 1,000 litres with 1 smooth pipe heat exchanger



## Energy

|  |       |
|--|-------|
| Heat retaining loss according to EN 12897 [W]:                     | 55    |
| Heat losses in stand-by mode according to DIN 12897 [kW/h / 24 h]: | 1,320 |
| Output capacity (45°C) [l]:  | 571   |
| Performance indicator NL following DIN 4708:                       | 6,40  |

## Tank

|  |     |
|--|-----|
| Real volume according to EN 12897 [l]: | 990 |
| $p_{\max}$ Tank [bar]:                 | 3   |
| $t_{\max}$ Tank [°C]:                  | 95  |
| $t_{\min}$ Tank [°C]:                  | 20  |

## DHW heat exchanger

|  |       |
|--|-------|
| DHW heat exchanger area [m <sup>2</sup> ]: | 8     |
| DHW heat exchanger volume [l]:             | 34,20 |
| $p_{\max}$ DHW heat exchanger [bar]:       | 6     |
| $t_{\max}$ DHW heat exchanger [°C]:        | 95    |

## Smooth-pipe heat exchanger

|   |       |
|---|-------|
| Smooth-pipe heat exchanger [number]:                      | 1     |
| Smooth-pipe heat exchanger area bottom [m <sup>2</sup> ]: | 3,30  |
| Smooth-pipe heat exchanger volume bottom:                 | 21,30 |
| $p_{\max}$ Smooth-pipe heat exchanger [bar]:              | 10    |
| $t_{\max}$ Smooth-pipe heat exchanger [°C]:               | 130   |

## Connections

|   |           |
|---|-----------|
| Connection layout:                            | 90°       |
| Connection sensor [Ø mm / terminal]:          | 6 mm      |
| Connection cold / hot water:                  | Rp 1 1/4" |
| Connection heat generator [thread]:           | Rp 1 1/2" |
| Connection heat exchanger [thread]:           | Rp 1"     |
| Connection heating element [thread]:          | Rp 1 1/2" |
| Max. immersion depth of screw-in heater [mm]: | 800       |