

Pure+ Fresh-water storage tank 300 litres with 1 smooth pipe heat exchanger



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

The structure of the storage tank is fundamentally different from usual large-volume domestic hot-water tanks. A built-in corrugated stainless steel pipe separates the drinking water from the heating water, while serving as a powerful heat exchanger at the same time. Thus, the advantages of a buffer tank are combined with those of a continuous flow water heater. The heating water serves as actual heat storage while the drinking water flows through the corrugated stainless steel pipe only if required and, thus, a legionella-safe domestic water heating is ensured. You do not need a protection programme against legionella in the controller. At all times, the consumer is provided with hygienically clean, fresh water at the desired temperature.

Due to the additional smooth-pipe heat exchanger, a heat generators can be integrated at any time and its energy can be fed into the fresh-water storage tank.

Data pursuant to EU regulation 812/2013

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|---------------------------------------|---|
| Name of supplier's trade marks: | OEG GmbH |
| Model identification of the supplier: | 516008267 - Fresh-water storage tank 300 litres with 1 smooth pipe heat exchanger |
| Energy efficiency class of the model: | A+ |
| Heat retaining losses in watts: | 36 |
| Storage tank volume in litres: | 296 |

General

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|--|-------------------------|
| OEG Nr.: | 516008267 |
| Rated volume according to EN 12897: | 300 |
| Colour: | white |
| Insulation according to DIN 4102-1 Fire Protection Class B2: | solid foamed insulation |
| Weight [kg]: | 98 |
| Total height including insulation [mm]: | 1750 |
| Diameter with insulation [mm]: | 610 |
| Tilt height [mm]: | 1830 |

Energy

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|--|-------|
| Energy efficiency class according to EU regulation no. 812/2013: | A+ |
| Heat retaining loss according to EN 12897 [W]: | 36 |
| Heat losses in stand-by mode according to DIN 12897 [kW/h / 24 h]: | 0,864 |
| Output capacity (45°C) [l]: | 175 |
| Performance indicator NL following DIN 4708: | 1,60 |

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Tank

| | |
|--|-----|
| Real volume according to EN 12897 [l]: | 296 |
| p _{max} Tank [bar]: | 3 |
| t _{max} Tank [°C]: | 95 |
| t _{min} Tank [°C]: | 20 |

DHW heat exchanger

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|--|-------|
| DHW heat exchanger area [m²]: | 4,40 |
| DHW heat exchanger volume [l]: | 19,30 |
| p _{max} DHW heat exchanger [bar]: | 6 |
| t _{max} DHW heat exchanger [°C]: | 95 |

Smooth-pipe heat exchanger

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|--|------|
| Smooth-pipe heat exchanger [number]: | 1 |
| Smooth-pipe heat exchanger area bottom [m²]: | 1,15 |
| Smooth-pipe heat exchanger volume bottom: | 7,50 |
| p _{max} Smooth-pipe heat exchanger [bar]: | 10 |
| t _{max} Smooth-pipe heat exchanger [°C]: | 130 |

Connections

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|---|-----------|
| Connection layout: | 180° |
| Connection sensor [Ø mm / terminal]: | 6 mm |
| Connection cold / hot water: | Rp 1 1/4" |
| Connection heat generator [thread]: | R 1" |
| Connection heat exchanger [thread]: | Rp 1" |
| Connection heating element [thread]: | Rp 1 1/2" |
| Max. immersion depth of screw-in heater [mm]: | 500 |