

OEG Solar storage tank 300 litres with 2 smooth pipe heat exchangers



OEG Solar storage tanks - highest quality "Made in Germany"!

The OEG solar storage tank is not only suitable for the heating of domestic water with boilers and low-temperature heating systems, but it is particularly suitable for the additional connection of a solar system. If not newly installed, then it is very often used as a replacement tank. Thanks to the wide range of selectable coating colours and the various connection options, a combination with heat generators and solar systems of almost any manufacturer is possible. The inner surface of the tank is coated with high-quality enamel to ensure the hygienic heating of drinking water. The generously dimensioned heat exchanger surface of the lower smooth-pipe heat exchanger reaches down to the bottom of the tank and, thus, provides a high energetic advantage compared to many other products in the market. The service hatch allows for convenient maintenance and cleaning of the 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: | 516008014 - Solar storage tank 300 litres with 2 smooth pipe heat exchangers |
| Energy efficiency class of the model: | A+ |
| Heat retaining losses in watts: | 36 |
| Storage tank volume in litres: | 292 |

General

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|--|-------------------------|
| OEG Nr.: | 516008014 |
| Rated volume according to EN 12897: | 300 |
| Colour: | red |
| Insulation according to DIN 4102-1 Fire Protection Class B2: | solid foamed insulation |
| Weight [kg]: | 110 |
| 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]: | 471 |
| Performance indicator NL following DIN 4708: | 10 |

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Tank

| | |
|--|-----|
| Real volume according to EN 12897 [l]: | 292 |
| p _{max} Tank [bar]: | 10 |
| t _{max} Tank [°C]: | 95 |
| t _{min} Tank [°C]: | 20 |

Smooth-pipe heat exchanger

| | |
|--|------|
| Smooth-pipe heat exchanger [number]: | 2 |
| Smooth-pipe heat exchanger area bottom [m²]: | 1,15 |
| Smooth-pipe heat exchanger area top [m²]: | 0,77 |
| Smooth-pipe heat exchanger volume bottom: | 7,50 |
| Smooth-pipe heat exchanger volume top: | 5,05 |
| 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: | R 1" |
| Connection heat exchanger [thread]: | Rp 1" |
| Connection circulation: | R 3/4" |
| Connection heating element [thread]: | Rp 1 1/2" |
| Service hatch (LK 150): | 115 / 180 |
| Max. immersion depth of flange heater [mm]: | 420 |
| Max. immersion depth of screw-in heater [mm]: | 500 |