

# OEG Solar storage tank 3 Plus 300 l with 3 smooth-pipe heat exchangers



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

The OEG solar storage tank 3Plus is suitable not only for heating up domestic water with boilers and low-temperature heating systems but particularly for the additional connection of a solar system.

The third smooth-pipe heat exchanger can be perfectly used for a return flow boost.

The storage tank is used as a new installation but also very often 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 storage 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 huge 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

|                                       |  |
|---------------------------------------|--|
| Name of supplier's trade marks:       | OEG GmbH   |
| Model identification of the supplier: | 516005170 - Solar storage tank 3 Plus 300 l with 3 smooth-pipe heat exchangers |
| Energy efficiency class of the model: | A+   |
| Heat retaining losses in watts:       | 35   |
| Storage tank volume in litres:        | 290  |

## General

|  |                         |
|--|-------------------------|
| OEG Nr.:   | 516005170               |
| Rated volume according to EN 12897:                          | 300                     |
| Colour:  | silver                  |
| Insulation according to DIN 4102-1 Fire Protection Class B2: | solid foamed insulation |
| Weight [kg]:   | 134                     |
| Total height including insulation [mm]:                      | 1750                    |
| Diameter with insulation [mm]:                               | 610                     |
| Tilt height [mm]:  | 1830                    |

## Energy

|  |       |
|--|-------|
| Energy efficiency class according to EU regulation no. 812/2013:   | A+    |
| Heat retaining loss according to EN 12897 [W]:                     | 35    |
| Heat losses in stand-by mode according to DIN 12897 [kW/h / 24 h]: | 0,840 |
| 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]: | 290 |
| p <sub>max</sub> Tank [bar]:           | 10  |
| t <sub>max</sub> Tank [°C]:            | 95  |
| t <sub>min</sub> Tank [°C]:            | 20  |

## Smooth-pipe heat exchanger

|  |      |
|--|------|
| Smooth-pipe heat exchanger [number]:               | 3    |
| Smooth-pipe heat exchanger area bottom [m²]:       | 1,15 |
| Smooth-pipe heat exchanger surface middle [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 middle:          | 7,50 |
| Smooth-pipe heat exchanger volume top:             | 5,05 |
| p <sub>max</sub> Smooth-pipe heat exchanger [bar]: | 10   |
| t <sub>max</sub> Smooth-pipe heat exchanger [°C]:  | 130  |

## Connections

|   |           |
|---|-----------|
| 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       |