

# OEG solar storage tank 3Plus 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:	516005171 - OEG solar storage tank 3Plus 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.:	516005171
Rated volume according to EN 12897:	300
Colour:	white
Insulation according to DIN 4102-1 Fire Protection Class B2:	Firmly foamed A+ insulation
Weight [kg]:	136
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

## Tank

Real volume according to EN 12897 [l]:	290
$p_{\max}$ Tank [bar]:	10
$t_{\max}$ Tank [°C]:	95
$t_{\min}$ Tank [°C]:	20

## Smooth-pipe heat exchanger

Smooth-pipe heat exchanger [number]:	3
Smooth-pipe heat exchanger area bottom [m <sup>2</sup> ]:	1,15
Smooth-pipe heat exchanger surface middle [m <sup>2</sup> ]:	1,15
Smooth-pipe heat exchanger area top [m <sup>2</sup> ]:	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
$p_{\max}$ Smooth-pipe heat exchanger [bar]:	10
$t_{\max}$ 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