

# OEG Solar storage tank 400 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

Name of supplier's trade marks:	OEG GmbH
Model identification of the supplier:	516008019 - Solar storage tank 400 litres with 2 smooth pipe heat exchangers
Energy efficiency class of the model:	A+
Heat retaining losses in watts:	40
Storage tank volume in litres:	406

## General

OEG Nr.:	516008019
Rated volume according to EN 12897:	400
Colour:	blue
Insulation according to DIN 4102-1 Fire Protection Class B2:	solid foamed insulation
Weight [kg]:	165
Total height including insulation [mm]:	1725
Diameter with insulation [mm]:	710
Tilt height [mm]:	1865

## Energy

Energy efficiency class according to EU regulation no. 812/2013:	A+
Heat retaining loss according to EN 12897 [W]:	40
Heat losses in stand-by mode according to DIN 12897 [kW/h / 24 h]:	0,960
Output capacity (45°C) [l]:	628
Performance indicator NL following DIN 4708:	13

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## Tank

Real volume according to EN 12897 [l]:	406
$p_{\max}$ 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]:	1,88
Smooth-pipe heat exchanger area top [m²]:	1,73
Smooth-pipe heat exchanger volume bottom:	12,30
Smooth-pipe heat exchanger volume top:	11,30
$p_{\max}$ 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]:	540
Max. immersion depth of screw-in heater [mm]:	600