OEG Solar storage tank 500 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:	516008026 - Solar storage tank 500 litres with 2 smooth pipe heat exchangers
Energy efficiency class of the model:	A+
Heat retaininglosses in watts:	43
Storage tank volume in litres:	502

General

OEG Nr.:	516008026
Rated volume according to EN 12897:	500
Colour:	red
Insulation according to DIN 4102-1 Fire Protection Class B2:	solid foamed insulation
Weight [kg]:	168
Total height including insulation [mm]:	1770
Diameter with insulation [mm]:	760
Tilt height [mm]:	1925

Energy

Energy efficiency class according to EU regulation no. 812/2013:	A+
Heat retaining loss according to EN 12897 [W]:	43
Heat losses in stand-by mode according to DIN 12897 [kW/h / 24 h]:	1,032
Output capacity (45°C) [l]:	785
Performance indicator NL following DIN 4708:	18,92

OEG Solar storage tank 500 litres with 2 smooth pipe heat exchangers

Tank

Real volume according to EN 12897 [l]:	502
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]:	1,74
Smooth-pipe heat exchanger volume bottom:	12,40
Smooth-pipe heat exchanger volume top:	11
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