

OEG Solar storage tank TWS 500-2 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 service water with boilers and for low-temperature heating systems, but it is particularly suitable for the additional connection of a solar system. Thanks to the various sheath colours you can choose from and the diverse range of connection options, a combination with heat generators and solar systems of almost any manufacturer can be offered. The inner surface of the tank is coated with high-quality enamel for 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 energy advantage compared to other products on the market. The service hatch allows a 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:	516005260 - Solar storage tank TWS 500-2 with 2 smooth-pipe heat exchangers
Energy efficiency class of the model:	A+
Heat retaining losses in watts:	43
Storage tank volume in litres:	502

General

OEG Nr.:	516005260
Rated volume according to EN 12897:	500
Colour:	silver
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

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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