

OEG Fresh-Water storage tank 500 l with 1 smooth-pipe heat exchanger



With this OEG hygienic storage tank, the highest demands on the hygiene of drinking water and energy efficiency are fulfilled. The structure of this tank is fundamentally different from usual, large-volume hot water tanks. A built-in corrugated stainless steel pipe separates the drinking water from the heating water and - at the same time - serves as a powerful heat exchanger. Thus, the advantages of a buffer tank are combined with those of a hot water heater.

Only if needed, the drinking water flows through the corrugated stainless steel pipe in the water of the heated tank and the stratification of the heating water is not disturbed. This leads to a very low energy consumption and you can guarantee your customers legionella-free drinking water.

You do not need a legionella protection programme in the regulation.

Consumers are provided with hygienically-clean, fresh water at their desired temperature at any time.

Due to the additional smooth-pipe heat exchanger, another heat generator can be integrated and its energy can be additionally fed into the hygienic storage tank.

Data pursuant to EU regulation 812/2013

Name of supplier's trade marks:	OEG GmbH
Model identification of the supplier:	516005460 - Fresh-Water storage tank 500 l with 1 smooth-pipe heat exchanger
Energy efficiency class of the model:	A+
Heat retaining losses in watts:	43
Storage tank volume in litres:	510

General

OEG Nr.:	516005460
Rated volume according to EN 12897:	500
Colour:	silver
Insulation according to DIN 4102-1 Fire Protection Class B2:	Firmly foamed A+ insulation
Weight [kg]:	142
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]:	285
Performance indicator NL following DIN 4708:	3

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Tank

Real volume according to EN 12897 [l]:	510
p _{max} Tank [bar]:	3
t _{max} Tank [°C]:	95

DHW heat exchanger

DHW heat exchanger area [m ²]:	6
DHW heat exchanger volume [l]:	26,70
p _{max} DHW heat exchanger [bar]:	6
t _{max} DHW heat exchanger [°C]:	95

Smooth-pipe heat exchanger

Smooth-pipe heat exchanger [number]:	1
Smooth-pipe heat exchanger area bottom [m ²]:	1,88
Smooth-pipe heat exchanger volume bottom:	12,40
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:	Rp 1 1/4"
Connection heat generator [thread]:	R 1"
Connection heat exchanger [thread]:	Rp 1"
Connection heating element [thread]:	Rp 1 1/2"
Max. immersion depth of screw-in heater [mm]:	600