

OEG Fresh-water storage tank 300 l with 1 smooth pipe heat exchanger



OEG fresh-water storage tanks fulfill highest demands on the hygiene of drinking water and energy efficiency. The structure of these tanks is fundamentally different from usual, large-volume domestic hot-water storage 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. Thereby, the advantages of a buffer storage tank are combined with those of a continuous-flow heater. The drinking water flows through the corrugated stainless steel pipe in the water of the heated storage tank only if required and the stratification of the heating water is not disturbed. This results in a very low energy consumption and legionella-safe water is ensured. You will not need any legionella protection programme in the control. At all times, the consumer is provided with perfectly clean, fresh water in the desired temperature. Due to the additional smooth-pipe heat exchanger, a solar heat generator can be integrated at any time and its energy can be fed into the fresh-water storage tank.

Data pursuant to EU regulation 812/2013

Name of supplier's trade marks:	OEG GmbH
Model identification of the supplier:	516008266 - Fresh-water storage tank 300 l with 1 smooth pipe heat exchanger
Energy efficiency class of the model:	A+
Heat retaining losses in watts:	36
Storage tank volume in litres:	296

General

OEG Nr.:	516008266
Rated volume according to EN 12897:	300
Colour:	silver
Insulation according to DIN 4102-1 Fire Protection Class B2:	Firmly foamed A+ insulation
Weight [kg]:	98
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]:	36
Heat losses in stand-by mode according to DIN 12897 [kW/h / 24 h]:	0,864
Output capacity (45°C) [l]:	175
Performance indicator NL following DIN 4708:	1,60

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Tank

Real volume according to EN 12897 [l]:	296
p _{max} Tank [bar]:	3
t _{max} Tank [°C]:	95

DHW heat exchanger

DHW heat exchanger area [m ²]:	4,40
DHW heat exchanger volume [l]:	19,30
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]:	1,15
Smooth-pipe heat exchanger volume bottom:	7,50
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]:	500