

Pure+ Horizontal Fresh-Water storage tank 500 litres



The structure of these storage tanks is fundamentally different from usual large-volume domestic hot water tanks. A built-in corrugated stainless steel pipe separates the drinking water from the heating water and serves as a powerful heat exchanger at the same time. Thus, the advantages of a buffer tank are combined with those of a flow heater.

The drinking water flows through the corrugated stainless steel pipe in the water of the heated tank only if required. This ensures a very low energy consumption and legionella-free drinking water. You do not need a legionella protection programme in the regulation. At all times, customers are provided with hygienically-clean, fresh water at the desired temperature.

The horizontal arrangement of these hygienic storage tanks allows for the use in places that are excluded for vertical tanks (e.g. below inclined walls and stairs). Thus, the advantages of a hygienic storage tank can even be taken if space is limited.

Due to the horizontal installation of the heat exchangers, an efficient thermal stratification is achieved. The generously dimensioned heat exchanger surfaces provide for an energetic advantage over other products available in the market.

Data pursuant to EU regulation 812/2013

Name of supplier's trade marks:	OEG GmbH
Model identification of the supplier:	516006344 - Horizontal Fresh-Water storage tank 500 litres
Energy efficiency class of the model:	A+
Heat retaining losses in watts:	43
Storage tank volume in litres:	498

General

OEG Nr.:	516006344
Rated volume according to EN 12897:	500
Insulation according to DIN 4102-1 Fire Protection Class B2:	solid foamed insulation
Weight [kg]:	141
Total height including insulation [mm]:	850
Width [mm]:	760
Length [mm]:	1730

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]:	290
Performance indicator NL following DIN 4708:	3

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Tank

Real volume according to EN 12897 [l]:	498
p _{max} Tank [bar]:	3
t _{max} Tank [°C]:	95
t _{min} Tank [°C]:	20

DHW heat exchanger

DHW heat exchanger area [m²]:	5,10
DHW heat exchanger volume [l]:	23
p _{max} DHW heat exchanger [bar]:	6
t _{max} DHW heat exchanger [°C]:	95

Connections

Connection layout:	front/rear
Connection sensor [Ø mm / terminal]:	6 mm
Connection cold / hot water:	Rp 1 1/4"
Connection heat generator [thread]:	R 1"
Connection heating element [thread]:	Rp 1 1/2"
Max. immersion depth of screw-in heater [mm]:	1150