

Pure+ Horizontal Fresh-Water Storage Tank 500 litres 2 additional heat exchangers



The structure of these storage tanks is fundamentally different from usual large-volume domestic 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 leads to a very low energy consumption and legionella-free drinking water. You will not need a legionella protection programme in the regulation. At all times, consumers are provided with hygienically clean, fresh water at their desired temperature.

The horizontal positioning of the fresh-water storage tanks allows for the use in places that must be ruled out for vertical storage tanks (e.g. below inclined walls and stairs). Thus, your customers can benefit from the advantages of a fresh-water storage tank even 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 a huge energy advantage compared to other products available in the market. Due to the two additional heat exchangers, more heat generators can be integrated and their energy can be used in 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:	516006392 - Horizontal Fresh-Water Storage Tank 500 litres 2 additional heat exchangers
Energy efficiency class of the model:	A+
Heat retaining losses in watts:	43
Storage tank volume in litres:	494

General

OEG Nr.:	516006392
Rated volume according to EN 12897:	500
Insulation according to DIN 4102-1 Fire Protection Class B2:	solid foamed insulation
Weight [kg]:	167
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]:	494
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
Zusatzwärmetauscher Fläche unten [m²]:	3
Zusatzwärmetauscher Fläche oben [m²]:	3
Zusatzwärmetauscher Volumen oben:	14
Zusatzwärmetauscher Volumen unten:	14

Zusatzwärmetauscher

p _{max} Zusatzwärmetauscher [bar]:	6
t _{max} Zusatzwärmetauscher [°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