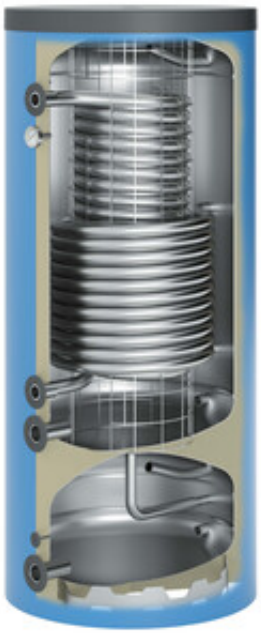
Reverse+ Fresh-water storage tank with defrosting buffer and additional heat exchanger



High-quality fresh-water storage tank with buffer unit for heat pump systems intended for hygienic domestic hot water heating in continuous flow principle and the heating or cooling of heating water. The storage tank assumes 2 functions. The fresh water is heated in the upper part of the tank, the lower part buffers the heating return and provides defrosting energy for the heat pump. The isolated structure of both tank areas allows large temperature differences. Therefore, it is possible to simultaneously heat the domestic hot water and to ensure the cooling function of the surface heating by the heat pump in summer. Both tank areas can be retrofitted with separate heating elements. The additional smooth-pipe heat exchanger can be used for heating in the fresh-water area as an extra heat source.

Data pursuant to EU regulation 812/2013

Name of supplier's trade marks:	OEG GmbH
Model identification of the supplier:	516005912 - Fresh-water storage tank with defrosting buffer and additional heat exchanger
Heat retaininglosses in watts:	39
Storage tank volume in litres:	405

General

OEG Nr.:	516005912
Rated volume according to EN 12897:	400
Colour:	blue
Insulation according to DIN 4102-1 Fire Protection Class B2:	solid foamed insulation
Weight [kg]:	135
Total height including insulation [mm]:	1540
Diameter with insulation [mm]:	760
Tilt height [mm]:	1710

Energy

Heat retaining loss according to EN 12897 [W]:	39
Heat losses in stand-by mode according to DIN 12897 [kW/h / 24 h]:	0,936
Output capacity (45°C) [l]:	174
Performance indicator NL following DIN 4708:	1,60

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Tank

Real volume according to EN 12897 [l]:	405
p_{max} Tank [bar]:	3
t_{max} Tank [°C]:	95
t_{min} Tank [°C]:	10
t_{max} Ambient air [°C]:	30
Max. rel. air humidity [%]:	80
Buffet storage tank capacity (part of the actual capacity) [l]:	100

DHW heat exchanger

DHW heat exchanger area [m²]:	3,38
DHW heat exchanger volume [l]:	19,14
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 [m²]:	1,74
Smooth-pipe heat exchanger volume bottom:	12
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 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