

OEG Heat pump storage tank 300 l with 2 smooth-pipe heat exchangers



In order to increase efficiency, heat pumps operate with the lowest possible temperature differences.

OEG heat pump storage tanks have been specially designed for this requirement by providing an extremely large double-coil heat exchanger surface. The storage tanks are used for the heating, storing and supply of drinking water in combination with heat pumps and solar systems.

Data pursuant to EU regulation 812/2013

Name of supplier's trade marks:	OEG GmbH
Model identification of the supplier:	516005190 - Heat pump storage tank 300 l with 2 smooth-pipe heat exchangers
Energy efficiency class of the model:	A+
Heat retaining losses in watts:	35
Storage tank volume in litres:	288

General

OEG Nr.:	516005190
Rated volume according to EN 12897:	300
Colour:	silver
Insulation according to DIN 4102-1 Fire Protection Class B2:	solid foamed insulation
Weight [kg]:	130
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]:	35
Heat losses in stand-by mode according to DIN 12897 [kW/h / 24 h]:	0,840
Output capacity (45°C) [l]:	471
Performance indicator NL following DIN 4708:	10

OEG Heat pump storage tank 300 l with 2 smooth-pipe heat exchangers



Tank

Real volume according to EN 12897 [l]:	288
p _{max} Tank [bar]:	10
t _{max} Tank [°C]:	95
t _{min} Tank [°C]:	20

Smooth-pipe heat exchanger

Smooth-pipe heat exchanger [number]:	2
Smooth-pipe heat exchanger area bottom [m²]:	1,15
Smooth-pipe heat exchanger area top [m²]:	2,44
Smooth-pipe heat exchanger volume bottom:	7,50
Smooth-pipe heat exchanger volume top:	16
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:	R 1"
Connection heat generator [thread]:	Rp 1 1/2"
Connection heat exchanger [thread]:	Rp 1"
Connection circulation:	R 3/4"
Connection heating element [thread]:	Rp 1 1/2"
Service hatch (LK 150):	115 / 180
Max. immersion depth of flange heater [mm]:	420
Max. immersion depth of screw-in heater [mm]:	500