

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



Free-standing tank particularly suitable for heat pumps in combination with other heating sources like e.g. solar units. An extended functionality can be achieved by installation of an electric heating rod. Use as anti-legionella tank possible by interconnecting both smooth-pipe heat exchangers.

Data pursuant to EU regulation 812/2013

Name of supplier's trade marks:	OEG GmbH
Model identification of the supplier:	516008149 - Heat pump storage tank 300 litres 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.:	516008149
Rated volume according to EN 12897:	300
Colour:	red
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

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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