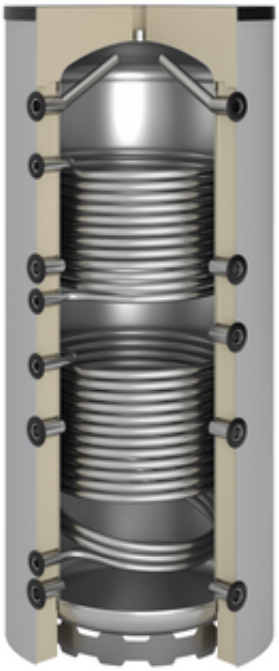
OEG Buffer storage tank 1,000 l with 2 smooth-pipe heat exchangers



This buffer storage tank fulfills the highest demands on heat storage, particularly where heat generators are used which achieve their optimal efficiency only under full load (e.g. many solid fuel boilers). During the operation of the heat generator, more heat is produced than the consumers can take. The excess heat heats the water of the buffer tank and is therefore stored. During later stand-still periods this heat can be retrieved, as needed.
The buffer storage tank is suitable as a primary cylinder for solar systems, heat pumps, wood- or pellet boilers and can also be used in district heating systems. Due to the two additional smooth-pipe exchangers, more heat generators can be integrated and their energy can be fed into the buffer tank additionally.

Data pursuant to EU regulation 814/2013

Name of supplier's trade marks:	OEG GmbH
Model identification of the supplier:	516005355 - Buffer storage tank 1,000 l with 2 smooth-pipe heat exchangers
Heat retainingloss in watts:	55
Storage tank volume in litres:	988

General

OEG Nr.:	516005355
Rated volume according to EN 12897:	1000
Colour:	silver
Insulation according to DIN 4102-1 Fire Protection Class B2:	removable segment insulation
Weight [kg]:	333
Total height including insulation [mm]:	2350
Diameter without insulation [mm]:	790
Diameter with insulation [mm]:	1015
Tilt height [mm]:	2280

Energy

Heat retaining loss according to EN 12897 [W]:	55
Heat losses in stand-by mode according to DIN 12897 [kW/h / 24 h]:	1,320

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Tank

Real volume according to EN 12897 [l]:	988
p_{max} Tank [bar]:	3
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]:	3,30
Smooth-pipe heat exchanger area top [m²]:	2,60
Smooth-pipe heat exchanger volume bottom:	21,30
Smooth-pipe heat exchanger volume top:	17
p_{max} Smooth-pipe heat exchanger [bar]:	10
t_{max} Smooth-pipe heat exchanger [°C]:	130

Connections

Connection layout:	90°
Connection sensor [Ø mm / terminal]:	6 mm
Connection heat generator [thread]:	Rp 1 1/2"
Connection heat exchanger [thread]:	Rp 1"
Connection heating element [thread]:	Rp 1 1/2"
Max. immersion depth of screw-in heater [mm]:	800