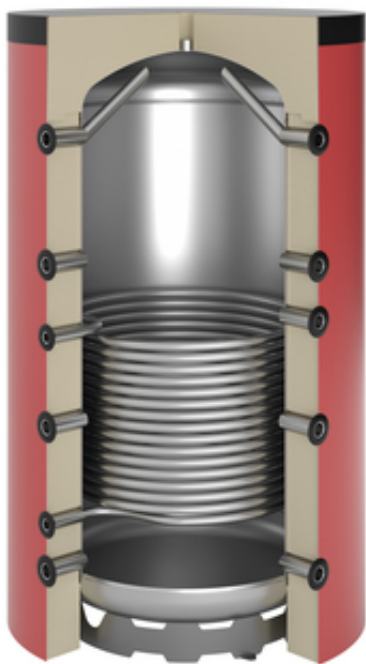# OEG Buffer storage tank 1,500 litres with 1 smooth-pipe heat exchangers

This OEG buffer storage tank fulfills the highest demands on heat storage, particularly where those 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 take. The excess heat heats the water of the buffer tank and is therefore stored. During stand-still periods this heat can be later retrieved, as needed. The OEG 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 additional smooth-pipe exchanger, another heat generator can be integrated and its 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:	516008080 - Buffer storage tank 1,500 litres with 1 smooth-pipe heat exchangers
Heat retaininglosses in watts:	63
Storage tank volume in litres:	1473

General

OEG Nr.:	516008080
Rated volume according to EN 12897:	1500
Colour:	red
Insulation according to DIN 4102-1 Fire Protection Class B2:	removable segment insulation
Weight [kg]:	300
Total height including insulation [mm]:	2210
Diameter without insulation [mm]:	1000
Diameter with insulation [mm]:	1315
Tilt height [mm]:	2190

Energy

Heat retaining loss according to EN 12897 [W]:	63
Heat losses in stand-by mode according to DIN 12897 [kW/h / 24 h]:	1,512

OEG Buffer storage tank 1,500 litres with 1 smooth-pipe heat exchangers

Tank

Real volume according to EN 12897 [l]:	1473
p_{max} Tank [bar]:	3
t_{max} Tank [°C]:	95
t_{min} Tank [°C]:	20

Smooth-pipe heat exchanger

Smooth-pipe heat exchanger [number]:	1
Smooth-pipe heat exchanger area bottom [m²]:	4,50
Smooth-pipe heat exchanger volume bottom:	29,70
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]:	1100