

OEG Buffer storage tank 3,000 litres with 2 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 two additional smooth-pipe exchangers, more heat generators can be integrated and their energy can be fed into the buffer tank additionally.

General

OEG Nr.:	516008096
Rated volume according to EN 12897:	3000
Colour:	white
Insulation according to DIN 4102-1 Fire Protection Class B2:	removable PES fleece insulation 0.036 W/(mK)
Weight [kg]:	515
Total height including insulation [mm]:	2300
Diameter without insulation [mm]:	1400
Diameter with insulation [mm]:	1600
Tilt height [mm]:	2405

Tank

Real volume according to EN 12897 [l]:	2982
$p_{\max}$ 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]:	5,50
Smooth-pipe heat exchanger area top [m²]:	5,50
Smooth-pipe heat exchanger volume bottom:	36
Smooth-pipe heat exchanger volume top:	36
$p_{\max}$ Smooth-pipe heat exchanger [bar]:	10
$t_{\max}$ Smooth-pipe heat exchanger [°C]:	130

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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]:	1200