OEG Buffer storage tank 200 litres with 2 smooth pipe heat exchangers

This OEG 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 generated than is retrieved by the consumers. The excess heat then heats up the water of the buffer tank and is stored there.
During stand-still periods this heat can be retrieved later 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 heat exchangers, more heat generators can be integrated and their energy can be additionally fed into the buffer tank.

Data pursuant to EU regulation 812/2013

Name of supplier's trade marks:	OEG GmbH
Model identification of the supplier:	516008204 - Buffer storage tank 200 litres with 2 smooth pipe heat exchangers
Heat retaininglosses in watts:	31
Storage tank volume in litres:	202

General

OEG Nr.:	516008204
Rated volume according to EN 12897:	200
Colour:	blue
Insulation according to DIN 4102-1 Fire Protection Class B2:	solid foamed insulation
Weight [kg]:	87
Total height including insulation [mm]:	1265
Diameter with insulation [mm]:	610
Tilt height [mm]:	1375

Energy

Heat retaining loss according to EN 12897 [W]:	31
Heat losses in stand-by mode according to DIN 12897 [kW/h / 24 h]:	0,744

Tank

Real volume according to EN 12897 [l]:	202
p_{max} Tank [bar]:	3
t_{max} Tank [°C]:	95
t_{min} Tank [°C]:	20

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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]:	0,63
Smooth-pipe heat exchanger volume bottom:	7,50
Smooth-pipe heat exchanger volume top:	4,20
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 heat generator [thread]:	Rp 1"
Connection heat exchanger [thread]:	Rp 1"
Connection heating element [thread]:	Rp 1 1/2"
Max. immersion depth of screw-in heater [mm]:	500