



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 additional smooth-pipe exchanger, another heat generator can be integrated, and its energy can be fed into the buffer tank additionally.

General

OEG Nr.:	516005408
Rated volume according to EN 12897:	2600
Colour:	blue
Insulation according to DIN 4102-1 Fire Protection Class B2:	removable PES fleece insulation 0.036 W/(mK)
Weight [kg]:	470
Total height including insulation [mm]:	2490
Diameter without insulation [mm]:	1250
Diameter with insulation [mm]:	1450
Tilt height [mm]:	2530

Tank

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]:	5,90
Smooth-pipe heat exchanger area top [m²]:	4,60
Smooth-pipe heat exchanger volume bottom:	39
Smooth-pipe heat exchanger volume top:	30
p_{\max} Smooth-pipe heat exchanger [bar]:	10
t_{\max} Smooth-pipe heat exchanger [°C]:	130

OEG Buffer storage tank 2,600 l 2 smooth-pipe heat exchangers blue



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"
Max. immersion depth of screw-in heater [mm]:	1300