

# OEG Buffer storage tank 5,000 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.:                                                     | 516008115                                    |
| Rated volume according to EN 12897:                          | 5000                                         |
| Colour:                                                      | blue                                         |
| Insulation according to DIN 4102-1 Fire Protection Class B2: | removable PES fleece insulation 0.036 W/(mK) |
| Weight [kg]:                                                 | 740                                          |
| Total height including insulation [mm]:                      | 2900                                         |
| Diameter without insulation [mm]:                            | 1600                                         |
| Diameter with insulation [mm]:                               | 1800                                         |
| Tilt height [mm]:                                            | 3020                                         |

## Tank

|                                        |      |
|----------------------------------------|------|
| Real volume according to EN 12897 [l]: | 5026 |
| $p_{\max}$ 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]: | 7,80 |
| Smooth-pipe heat exchanger area top [m²]:    | 7,80 |
| Smooth-pipe heat exchanger volume bottom:    | 51   |
| Smooth-pipe heat exchanger volume top:       | 51   |
| $p_{\max}$ 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"     |
| Max. immersion depth of screw-in heater [mm]: | 1650      |