

# OEG Hot water storage tank 500 litres with 1 smooth pipe heat exchanger



Hot-water storage tanks for heating up domestic water by means of boilers and low-temperature systems of all manufacturers. The inner surface of the storage tank is coated with a high-quality enamelling. The generously dimensioned heat exchanger surface that reaches down to the bottom ensures excellent heat transmission. A laterally positioned service hatch makes it possible to maintain and clean the storage tank conveniently, and it can be fitted with an electric heating element if required. The unrivalled OEG vacuum insulation of the storage tanks ensures there are significantly lower heat losses than the insulations of customary storage tanks.

## Data pursuant to EU regulation 812/2013

|                                       |                                                                                 |
|---------------------------------------|---------------------------------------------------------------------------------|
| Name of supplier's trade marks:       | OEG GmbH                                                                        |
| Model identification of the supplier: | 516008022 - Hot water storage tank 500 litres with 1 smooth pipe heat exchanger |
| Energy efficiency class of the model: | A+                                                                              |
| Heat retaining losses in watts:       | 43                                                                              |
| Storage tank volume in litres:        | 507                                                                             |

## General

|                                                              |                         |
|--------------------------------------------------------------|-------------------------|
| OEG Nr.:                                                     | 516008022               |
| Rated volume according to EN 12897:                          | 500                     |
| Colour:                                                      | blue                    |
| Insulation according to DIN 4102-1 Fire Protection Class B2: | solid foamed insulation |
| Weight [kg]:                                                 | 150                     |
| Total height including insulation [mm]:                      | 1770                    |
| Diameter with insulation [mm]:                               | 760                     |
| Tilt height [mm]:                                            | 1915                    |

## Energy

|                                                                    |       |
|--------------------------------------------------------------------|-------|
| Energy efficiency class according to EU regulation no. 812/2013:   | A+    |
| Heat retaining loss according to EN 12897 [W]:                     | 43    |
| Heat losses in stand-by mode according to DIN 12897 [kW/h / 24 h]: | 1,032 |
| Output capacity (45°C) [l]:                                        | 785   |
| Performance indicator NL following DIN 4708:                       | 19    |

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## Tank

|                                        |     |
|----------------------------------------|-----|
| Real volume according to EN 12897 [l]: | 507 |
| p <sub>max</sub> Tank [bar]:           | 10  |
| t <sub>max</sub> Tank [°C]:            | 95  |
| t <sub>min</sub> Tank [°C]:            | 20  |

## Smooth-pipe heat exchanger

|                                                    |      |
|----------------------------------------------------|------|
| Smooth-pipe heat exchanger [number]:               | 1    |
| Smooth-pipe heat exchanger area bottom [m²]:       | 1,88 |
| Smooth-pipe heat exchanger volume bottom:          | 12   |
| p <sub>max</sub> Smooth-pipe heat exchanger [bar]: | 10   |
| t <sub>max</sub> Smooth-pipe heat exchanger [°C]:  | 130  |

## Connections

|                                               |           |
|-----------------------------------------------|-----------|
| Connection layout:                            | 180°      |
| Connection sensor [Ø mm / terminal]:          | 6 mm      |
| Connection cold / hot water:                  | R 1"      |
| Connection heat exchanger [thread]:           | Rp 1"     |
| Connection circulation:                       | R 3/4"    |
| Connection heating element [thread]:          | Rp 1 1/2" |
| Service hatch (LK 150):                       | 115 / 180 |
| Max. immersion depth of flange heater [mm]:   | 540       |
| Max. immersion depth of screw-in heater [mm]: | 600       |