

# OEG Combination tank 500 litres tank-in-tank system 150 l potable water



Due to the innovative tank-in-tank-system particularly suitable for heating up potable water and as a support for the heating system at the same time.  
Ideal for hot water heating systems, heat pumps, condensing, oil and gas boilers, solar systems, pellet and wood boilers, fire places and block heating systems. Also ideal as an addition to already existing systems.

## Data pursuant to EU regulation 812/2013

|                                       |                                                                                 |
|---------------------------------------|---------------------------------------------------------------------------------|
| Name of supplier's trade marks:       | OEG GmbH                                                                        |
| Model identification of the supplier: | 516008158 - Combination tank 500 litres tank-in-tank system 150 l potable water |
| Energy efficiency class of the model: | A+                                                                              |
| Heat retaining losses in watts:       | 43                                                                              |
| Storage tank volume in litres:        | 503                                                                             |

## General

|                                                              |                         |
|--------------------------------------------------------------|-------------------------|
| OEG Nr.:                                                     | 516008158               |
| Rated volume according to EN 12897:                          | 500                     |
| Colour:                                                      | red                     |
| Insulation according to DIN 4102-1 Fire Protection Class B2: | solid foamed insulation |
| Weight [kg]:                                                 | 165                     |
| Total height including insulation [mm]:                      | 1790                    |
| Diameter with insulation [mm]:                               | 760                     |
| Tilt height [mm]:                                            | 1925                    |

## 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]:                                        | 236   |
| Performance indicator NL following DIN 4708:                       | 3     |

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## Tank

|                                                                 |     |
|-----------------------------------------------------------------|-----|
| Real volume according to EN 12897 [l]:                          | 503 |
| p <sub>max</sub> Tank [bar]:                                    | 3   |
| t <sub>max</sub> Tank [°C]:                                     | 95  |
| t <sub>min</sub> Tank [°C]:                                     | 20  |
| Buffer storage tank capacity (part of the actual capacity) [l]: | 349 |

## Domestic hot water tank (enamelled according to DIN 4753-3)

|                                                               |     |
|---------------------------------------------------------------|-----|
| Domestic hot water tank volume (Part of the real volume) [l]: | 154 |
| p <sub>max</sub> Domestic hot water tank [bar]:               | 10  |
| t <sub>max</sub> Domestic hot water tank [°C]:                | 95  |

## Smooth-pipe heat exchanger

|                                                    |     |
|----------------------------------------------------|-----|
| Smooth-pipe heat exchanger [number]:               | 1   |
| Smooth-pipe heat exchanger area bottom [m²]:       | 2   |
| Smooth-pipe heat exchanger volume bottom:          | 13  |
| 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 3/4"    |
| Connection heat generator [thread]:  | Rp 1 1/2" |
| 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 |