

Reverse+ DHW storage tank with buffer and 1 additional heat exchanger



High-quality heat pump combination storage tank REVERSE+ designed to be used not only for DHW heating but also for cooling and heating. The large heat exchanger surface of the double coil has been specially developed for the heating and supply of domestic hot water in combination with heat pumps and solar systems. The additional buffer storage tank increases the capacity of the heating circuit and, thereby, avoids cycling of the heat pump. The buffer area is thermally separated from the DHW area and can, therefore, be used independently for cooling or heating of surface heatings.

In order to protect the tank surface from condensation in the cooling function, the storage tank is equipped with a special, high-quality anti-corrosive coating. As it may come to condensate formation with cooling temperatures in conjunction with higher ambient temperatures, a special protection for the involved system components is necessary. The high-quality OEG A+ insulation ensures the smallest temperature losses also for these storage tanks.

As an addition to the heat pump system, it is also possible to operate an optional immersion heater in the DHW storage tank as well as in the subjacent buffer storage tank.

Data pursuant to EU regulation 812/2013

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|---------------------------------------|--|
| Name of supplier's trade marks: | OEG GmbH |
| Model identification of the supplier: | 516005664 - DHW storage tank with buffer and 1 additional heat exchanger |
| Heat retaining losses in watts: | 42 |
| Storage tank volume in litres: | 470 |

General

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|--|-------------------------|
| OEG Nr.: | 516005664 |
| Rated volume according to EN 12897: | 500 |
| Colour: | silver |
| Insulation according to DIN 4102-1 Fire Protection Class B2: | solid foamed insulation |
| Weight [kg]: | 185 |
| Total height including insulation [mm]: | 1762 |
| Diameter with insulation [mm]: | 760 |
| Tilt height [mm]: | 1910 |

Energy

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|--|-------|
| Heat retaining loss according to EN 12897 [W]: | 42 |
| Heat losses in stand-by mode according to DIN 12897 [kW/h / 24 h]: | 1,008 |
| Output capacity (45°C) [l]: | 599 |
| Performance indicator NL following DIN 4708: | 12 |

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Tank

| | |
|---|-----|
| Real volume according to EN 12897 [l]: | 470 |
| p _{max} Tank [bar]: | 3 |
| t _{max} Tank [°C]: | 95 |
| t _{min} Tank [°C]: | 10 |
| t _{max} Ambient air [°C]: | 30 |
| Max. rel. air humidity [%]: | 80 |
| Buffer storage tank capacity (part of the actual capacity) [l]: | 100 |

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

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|---|-----|
| Domestic hot water tank volume (Part of the real volume) [l]: | 370 |
| p _{max} Domestic hot water tank [bar]: | 10 |
| t _{max} Domestic hot water tank [°C]: | 95 |

Smooth-pipe heat exchanger

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|--|------|
| Smooth-pipe heat exchanger [number]: | 2 |
| Smooth-pipe heat exchanger area bottom [m²]: | 1 |
| Smooth-pipe heat exchanger area top [m²]: | 2,40 |
| Smooth-pipe heat exchanger volume bottom: | 6 |
| Smooth-pipe heat exchanger volume top: | 16 |
| p _{max} Smooth-pipe heat exchanger [bar]: | 10 |
| t _{max} Smooth-pipe heat exchanger [°C]: | 130 |

Connections

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|---|------------------------------|
| Connection layout: | 180° |
| Connection sensor [Ø mm / terminal]: | 6 mm |
| Connection cold / hot water: | R 1" |
| Connection heat generator [thread]: | lower R 1" / upper 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 |
| Max. immersion depth of flange heater [mm]: | 540 |
| Max. immersion depth of screw-in heater [mm]: | 600 |