

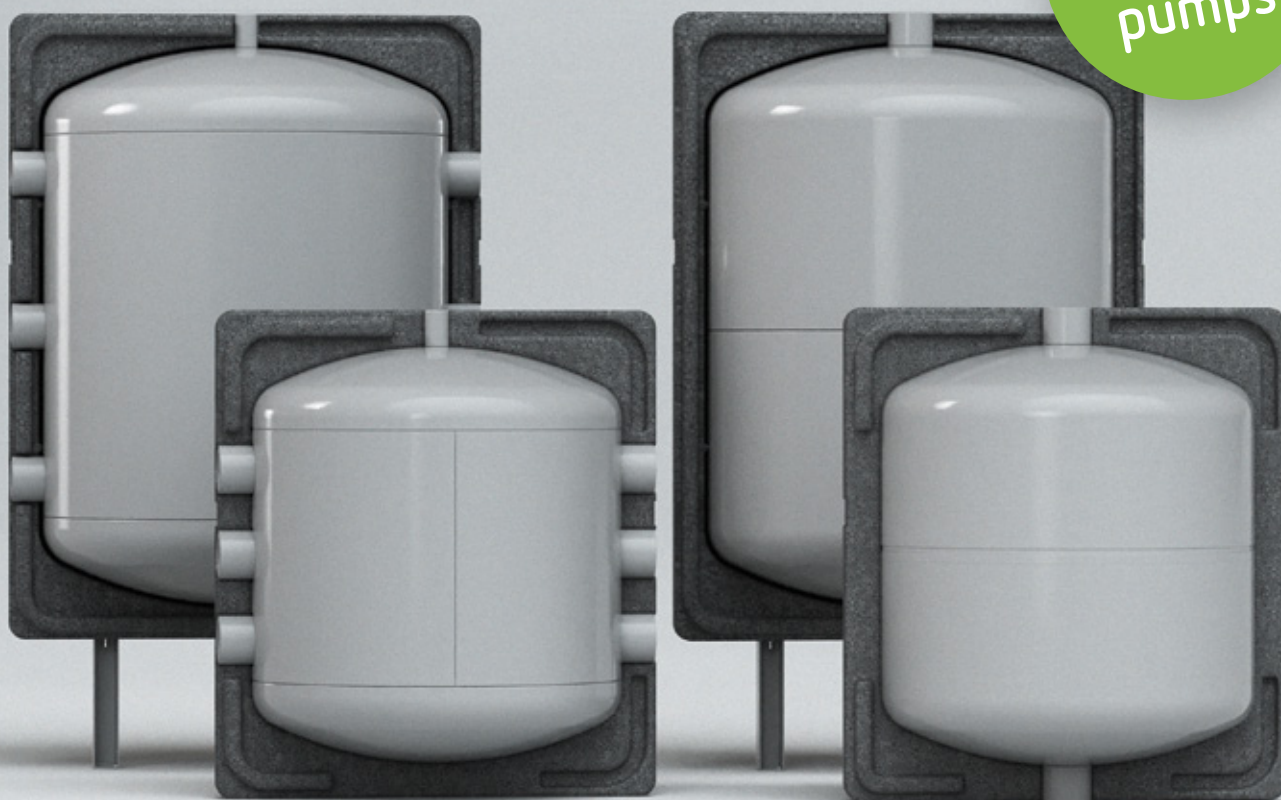
reflex

Thinking solutions.

New: buffer tank for high-performance systems

The perfect solution for newbuilds or existing systems

Ideal for
heat
pumps



Increase the efficiency
of a heating system

Safeguarding the defrost
function

Storatherm Heat Mini H
Storatherm Heat Mini V

Storatherm Heat Mini H & V

Function

Heat pumps need a constant volume flow to be efficient. When the consumer circuits' requirements have been met, the temperature of the return rises and the heat pump is switched off. As a consequence, rooms and radiators cool down again, with the result that the return temperature falls and the heat pump starts up again. This cycling puts a great deal of stress on the heat pump and reduces the system service life.

This is where the buffer tank from Reflex comes in: The heat pump heats up the buffer tank while working and switches off later, in addition, it is not immediately switched on again as required, but rather the buffered heat is used. This increases the system volume and makes the system more stable. As a result, cycle times are significantly reduced, extending the service life of the heat pump.

The Storatherm Heat Mini H is connected in parallel and is mainly used to incorporate heat pumps for hydraulic decoupling, whereas the Storatherm Heat Mini V is connected in series in the return and safeguards the defrost function.

Benefits

- suitable size grading for every requirement from 25 l to 200 l
- extending the service life of the heat pump
- increasing the efficiency of the heat pump
- with the Storatherm Heat Mini H, it is possible to integrate other heat generators, such as electro screw-in heaters
- constant operation of the heat pump
- simple planning of a high-performance system by increasing the system volume
- space-saving design with wall mount up to 50 l, from 75 l with feet
- high volume flow rates possible due to 1 1/2" connections
- simple and convenient dimensioning in Reflex Solutions Pro

Construction and insulation

Thanks to the large size of the connections of 1 1/2", the steel tanks are designed for the high volume flows of a heat pump, they are very quiet and generate almost no pressure loss.

The Storatherm Heat Mini V has one each of these connections at the top and the bottom of the tank. However, the Storatherm Heat Mini H has a 1/2" connection at the top to attach a venter and connections on the sides. The number of connections depends on the tank volume. 4, 6 or 8 connections are possible.

Both tanks are supplied with insulation. Up to 100 l, both tanks are fitted with removable EPP insulation that can be very easily recycled. Above 150 l, the tanks are fitted with removable fleece insulation. The tanks were developed in accordance with fire protection class B2 to DIN 4102-1 / E to EN 13501-1.

Designed
in accordance
with prEN
17692:2021

Area of application

The new Storatherm Heat Mini H and Storatherm Heat Mini V buffer tanks show their strengths in high-performance systems up to 20 kW heating capacity.



Accessories

Both tanks can be supplied with accessories. Storatherm Heat Mini H can also be fitted with an additional screw-in electric heating element. Up to 50 l, the cylinder can be mounted with a wall mount. From 150 l, a temperature sensor clamping strip is also an option.

Portfolio

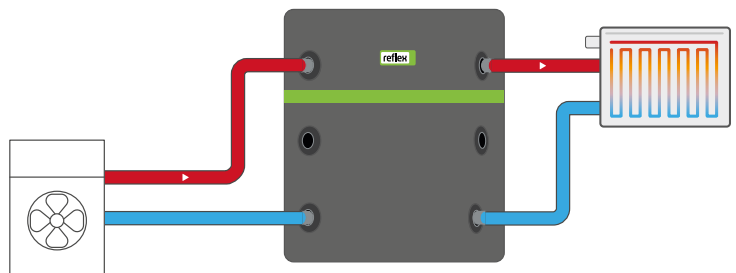
With these new buffer tanks we are extending our portfolio with many versions of smaller tanks and are now able to precisely meet the needs of small systems. The tanks are suitable for systems up to 3 bar and can be used in a range of 15 – 95 °C operating temperature.

| Type | Art. No. | DG | EEC ¹ | Volume [l] | Heat content loss [W] | Couplings connection 1 ½" (internal thread) | Ø d without with insul. [mm] | Height h [mm] | Tilted dimension [mm] | Weight [kg] |
|--|----------|------|------------------|------------|-----------------------|---|--------------------------------|---------------|-----------------------|-------------|
| Storatherm Heat Mini V buffer tank with vertical connections | | | | | | | | | | |
| V 25 | 7352420 | 0063 | B | 25 | 23 | 2 | 280 360 | 534 | 634 | 7 |
| V 50 | 7352430 | 0063 | B | 50 | 31 | 2 | 410 490 | 547 | 713 | 13 |
| V 75 | 7352440 | 0063 | B | 75 | 38 | 2 | 480 560 | 746 | 915 | 20 |
| V 100 | 7352450 | 0063 | B | 100 | 47 | 2 | 480 560 | 893 | 1.033 | 22 |
| Storatherm Heat Mini H buffer tank with horizontal connections | | | | | | | | | | |
| H 25 | 7352520 | 0063 | B | 25 | 24 | 4 | 280 360 | 534 | 634 | 7 |
| H 50 | 7352530 | 0063 | B | 50 | 33 | 6 | 410 490 | 547 | 713 | 13 |
| H 100* | 7352550 | 0063 | B | 100 | 49 | 6 | 480 560 | 893 | 1.033 | 22 |
| H 150 | 7352560 | 0063 | B | 150 | 47 | 8 | 480 680 | 1.073 | 1.094 | 21 |
| H 200 | 7352570 | 0063 | B | 200 | 59 | 8 | 480 680 | 1.358 | 1.375 | 26 |

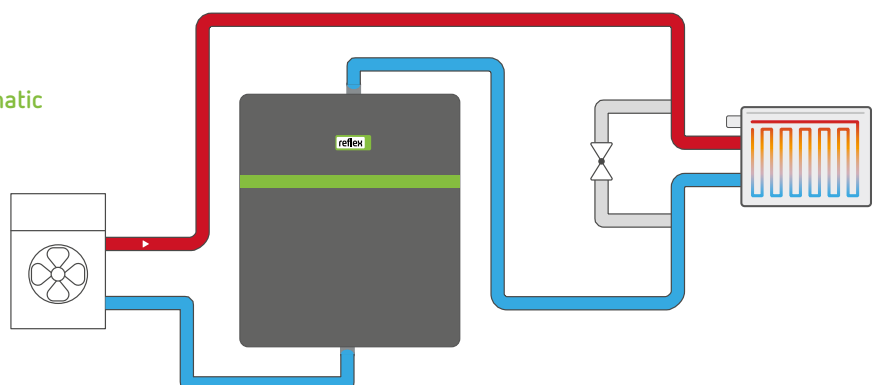
¹ EEC = Energy efficiency class

* Available from spring 2025; your sales contact will be happy to inform you about alternatives.

Storatherm Heat Mini H with heat pump Sample schematic



Storatherm Heat Mini V with heat pump Sample schematic



RE2419enD / 9140691 / 10-2024
Subject to technical changes



Thinking solutions.

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