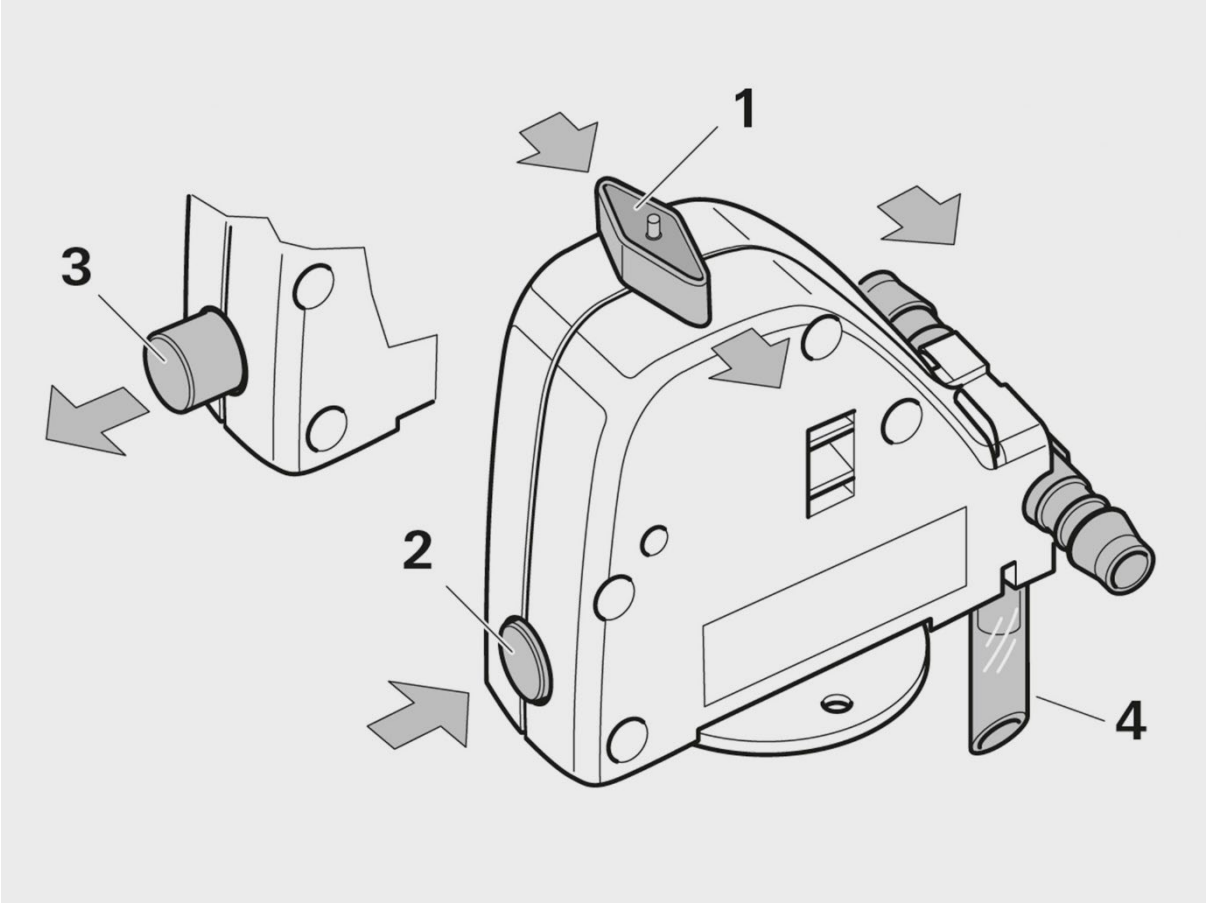
Truma FrostControl Valve Guide

The Truma FrostControl automatic safety/drain valve opens and empties the boiler at temperatures of around 3 °C.

FrostControl is a currentless safety/drain valve. When there is a danger of frost, it automatically drains the contents of the boiler through a drainage socket. If excessive pressure is present in the system, pressure will be automatically intermittently equalized through the pressure relief valve.

Operating instructions



1. Rotary switch position “Operation”
2. Pushbutton position “Closed”
3. Pushbutton position “Drain”
4. Drainage socket (routed outside through floor of vehicle)

Fill the boiler (water tank)

Check whether the rotary switch (Position 1) is set to “Operation” and is engaged.

Close the drain valve by pressing the pushbutton (Position 2). The pushbutton must engage in the “closed” position.

Only when the temperature at the drain valve is above approx. 7 °C can it be closed manually with the pushbutton (Position 2) and the boiler be filled. At temperatures below 7 °C, it is recommended to switch on the vehicle heater in order to warm up the interior.

Automatic opening of the drain valve

If the temperature at the drain valve is below about 3 °C, it opens automatically and the pushbutton pops out (Position 3). The water from the boiler drains out through the drainage socket (4).

Various ambient influences can interfere with the opening of the drain valve and the free run-off of the water, and Truma therefore cannot provide a warranty for frost damage.

Manual drain valve opening

Turn the rotary switch through 180° until it engages, where by the pushbutton pops out (Position 3). The water from the boiler drains out through the drainage socket (4).

Closing the drain valve

Check whether the rotary switch is set to “Operation” (Position1), i.e. parallel to the water connection and engaged. Close the drain valve by pressing the pushbutton. The pushbutton must engage in the “closed” position (2).Only when the temperature at the drain valve is aboveapprox.7 °C can it be closed manually with the pushbutton (Position 2) and the boiler be filled.

Maintenance

The FrostControl drainage socket (4) must be free of contamination (slush, ice, leaves, etc.) at all times so that the water can drain out easily! No claims may be made under the warranty for frost damage!

The safety/drain valve must be operated regularly (at least twice annually) to remove limescale deposits and to be certain that it is not blocked.

Technical data

- Pump pressure: max. 2.8 bar
- System pressure: max. 4.5 bar
- Closing temperature: over approx. 7 °C (ambient temperature)
- Opening temperature: below approx. 3 °C (ambient temperature)
- Operating temperature: -30 °C – +80 °C
- Weight: 200 g Version with connections for flexible hoses Ø 10 mm - 250 g Version with connections for fixed pipes Ø 12 mm (John Guest system)

Subject to technical changes.

Troubleshooting

Drain valve (FrostControl) is opening.

Cause: Temperature at drain valve below approx. 3 °C. (the drain valve opens automatically at temperatures below approx. 3 °C!)

Remedy: Switch on vehicle heater if necessary. At temperatures above approx. 7 °C at the drain valve, it can be closed again

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The drain valve (FrostControl) can no longer be closed.

Cause: Temperature at drain valve is below approx. 7 °C.

Remedy: Switch on vehicle heater if necessary. At temperatures above approx. 7 °C at the drain valve, it can be closed again.

Water flows intermittently from the FrostControl discharge nozzle.

Cause: Water pressure too high

Remedy: Check pump pressure (max. 2.8 bar). If the boiler is connected to a central water supply(rural or urban connection), a pressure reducer must be used, which will prevent pressures higher than 2.8 bar from occurring.