

8 Maintenance

8.1 General information

Important information

To ensure the correct and safe operation of the system, this information must be read and followed.

Following these instructions will help avoid hazards and downtime and increase the reliability and life of the system.

Function and energy savings

The heat interface unit is a compact station that can operate in a system with several units or as a supplement to an existing heating system. It is assigned to a residential unit and is used to measure and control central heating and heating of the water.


The heat interface unit combines:

- water heating in the flow system via a plate heat exchanger (water heating is controlled without auxiliary energy),
- the metering of the energy consumption for central heating and hot water and, as an option, the amount of cold water,
- the option of controlling an apartment heating system.

Hot water is only prepared when needed. Service water is not stored. This is one of the most convenient ways to heat fresh water. This enables dispensing of large amounts of hot water. Restrictions are only imposed by the central heating.

To ensure the entire system is operated in an energy-efficient way, this temperature should not be increased.

Water heating

	Caution!
	All water pipes are filled and pressurised.

The cold water supply for the apartment is provided via the central house connection and distribution line.

The heat interface unit is equipped with a central shut-off ball valve for cold water (B). As an option there is a shut-off ball valve for installation purposes.

All ball valves should be exercised (open-close) at regular intervals (about once per month).

The ball valves (B) and (C) should only be closed for assembly/disassembly reasons.

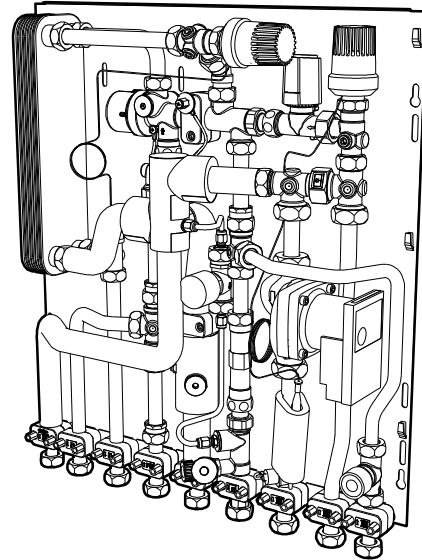
Water hygiene

Although the water system follows the flow principle, which is the most hygienic method of water heating, the water pipes should always be flushed if not used for a longer period.

The tapping duration should then be around 1-2 minutes. The water must be allowed to run at least every 7 days for about 1-2 minutes.

8.2 Turning off heat interface unit

Ball valves C, D and E must be closed in the event of malfunctions. A visual inspection is required every 3 to 6 months.



A B C D E F G H I

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Item	Description
A	Heating circuit supply (secondary, 2nd)
B	Cold water to apartment (CW)
C	Domestic hot water to apartment (DHW)
D	Cold water from riser (CW)
E	Heating supply (primary)
F	Heating return (primary)
G	Heating supply (secondary)
H	Heating return (primary)
I	Heating circuit return (secondary, 2nd)

If the system is to be shut down for a longer period:

1. Shut off the cold water tap. Do not close ball valves D, E, F, G.
2. Protect the heating unit against frost.
3. At return, let the hot water run for about 5 minutes at start up.