

6 Maintenance

For all work on the device, the general instructions in the chapter [Safety instructions](#) [> page 6] must be observed!

DANGER



Electrical voltage

Electrocution hazard.

- a) Disconnect the device from power supply.
- b) Make sure that the equipment cannot be reconnected to mains unintentionally.
- c) The device must be opened by trained staff only.
- d) Regard correct mains voltage.



DANGER



Toxic, corrosive gas/condensate

Sample gas/condensate may be hazardous to health.

- a) If necessary, ensure a safe gas/condensate discharge.
- b) Always disconnect the gas supply when performing maintenance or repairs.
- c) Protect yourself from toxic/corrosive gasses/condensate when performing maintenance. Wear suitable protective equipment.
- d) Do not allow condensate to drip into the housing.



WARNING



Warning: Flammable substances

The device is filled with flammable refrigerant R600a.

- a) Handle with care and choose the installation location carefully.
- b) Do not damage the refrigeration circuit. In the event of damage:
 - ⇒ Keep away from open flames or sources of ignition.
 - ⇒ Ventilate the room for several minutes.
 - ⇒ Switch off the device.
 - ⇒ Contact the manufacturer for repair.
 - ⇒ Do not discharge refrigerant into drains or rooms where there are open flames or sources of ignition.

CAUTION



Hot surface

Risk of burns

The housing can be up to 60 °C during operation.
Allow the unit to cool down before working on it.

CAUTION



Health hazard if the heat exchanger leaks

The heat exchanger is charged with glycol-based coolant.
In the event of a heat exchanger leak:

- a) Avoid contact with the skin and eyes.
- b) In the event of a leak, do not restart the cooler under any circumstances. The cooler must be repaired by the manufacturer.

Depending on the ambient conditions and installation location, ensure that the air inlet and outlet are free from foreign objects. A visual inspection is required at least every 6 months.

However, depending on the cooler model, various options may be included. In this case the following maintenance must be performed regularly:

- **Peristaltic pump option:** Check hoses (see chapter [Replacement of the hose for the peristaltic condensate pump \(optional\)](#) [> page 36]).
- **Filter option:** Check filter element (see chapter [Replacing the filter element \(option\)](#) [> page 37]).
- **Moisture detector option:** Calibrate moisture detector (see chapter [Calibration of the moisture detector \(option\)](#) [> page 37]).