

On the outdoor air side, the filter efficiency of ISO ePM1 50% (F7 according to EN 779) or better is recommended. For the extract air side, a filter efficiency of at least ISO Coarse 60% (G4 according to EN 779) is recommended. If not in standard configuration, the recommended filter is available as an accessory part.

Frost protection

Appropriate measures should be taken to prevent the heat exchanger and optional downstream hydraulic heater coil from getting damaged by frost during extreme winter temperatures ($-15\text{ }^{\circ}\text{C}$). It must be ensured that the unit's ventilation performance is not affected during frost protection cycles.

- Frost protection of the heat exchanger:
 - ✓ In order to protect the heat exchanger from freezing up, installation of an optional internal electric preheater with a maximum power of ca. 750 W is required. The operation of this frost protection is controlled depending on the outdoor air temperature. The laboratory measurement has proved that this frost protection strategy is sufficient to prevent the heat exchanger from freezing at an upper airflow rate and an outdoor air temperature of $-15\text{ }^{\circ}\text{C}$.
- Frost protection of downstream hydraulic heater coils:
 - ✓ In order to protect a downstream hydraulic heater coil the fans are stopped and the device enters stand-by mode in case the supply air temperature falls down to ca. $5\text{ }^{\circ}\text{C}$.