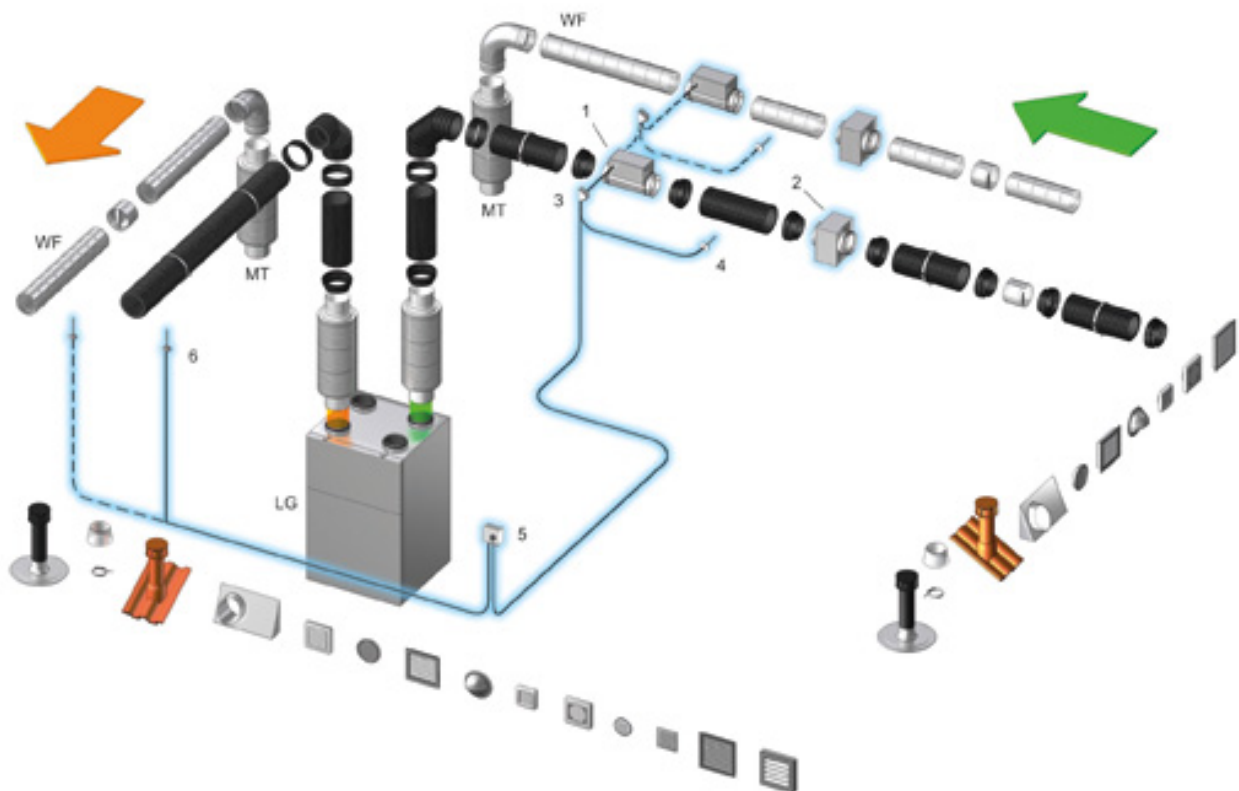


ERH 20-2

Frost protection preheating

- To protect heat exchanger and condensation from freezing, integrated frost protection monitors switch off the supply air fans of heat recovery units when the temperature falls below a certain outgoing air temperature.
- To prevent this from happening, an electric air heater, type ERH/DRH, can be fitted in the outside air extractor of the heat recovery unit. An upstream TFE air filter protects the ERH/DRH electric air heater from contamination in the outside air.
- The inflow speed of the ERH/DRH electric air heater is controlled by the LW 9 air flow monitor. If the inflow speed is too low, the LW 9 air flow monitor switches off the ERH/DRH electric air heater.
- Activation of the ERH/DRH electric air heater is controlled by the TH 10 thermostat. The sensor of the TH 10 thermostat measures the outgoing air temperature. If the temperature falls below the set value, the ERH/DRH electric air heater is activated. The activation value should be just above the outgoing air temperature at which the supply air fan is switched off. This value can be found in the assembly instructions for the heat recovery unit.



LG ventilation unit

1 - ERH/DRH electric air heater

2 - TFE air filter

3 - LW 9 air flow monitor controller

4 - LW 9 air flow monitor sensor

5 - TH 10 thermostat

6 - Temperature sensor for the TH 10 thermostat

MT - MAICOtherm thermally insulated ventilation system

WF - Folded spiral-seams duct, procurement and insulation supplied by the customer