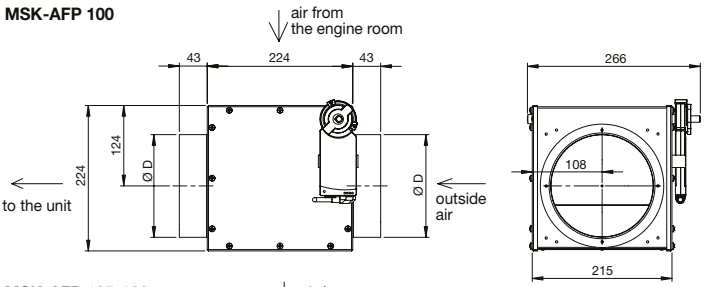
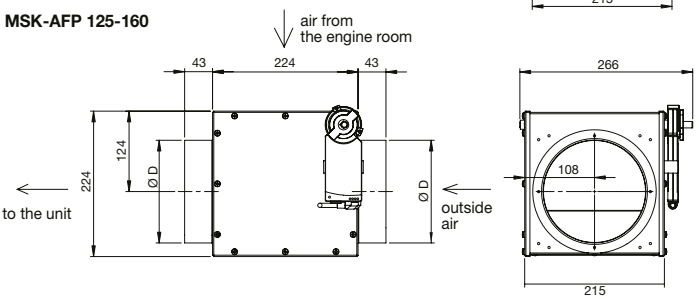
MSK-AFP – frost protection

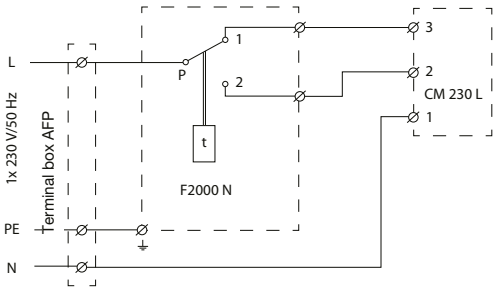
MSK-AFP 100



MSK-AFP 125-160



Type	MSK-AFP 125	MSK-AFP 150	MSK-AFP 160
Ø D	123 mm	148 mm	158 mm



Technical parameters

Cabinet

The cabinet is made of galvanized sheet steel. After installation in the pipe, we recommend to provide the cabinet with Armaflex insulation on the outside with a thickness of at least 8 mm.
A servo drive and anti-freeze thermostat F2000 N are mounted on the cabinet. The MSK-AFP flap is intended as protection against freezing of recuperators of EHR 140, 280, 300, 325, 480, DOMEO 210, IDEO 325, 450, ALTAIR 120 and others units.

Electrical connection

according to the diagram to the “AFP terminal box” located on the damper casing (terminals L, N, PE). Supply voltage 1×230 V / 50 Hz.

Regulation

Set the temperature on the anti-freeze thermostat to 0 °C. When the temperature drops below this set temperature, the flap starts to close the supply of cold outside air to the unit and warm air from the engine room is mixed into the outside air. An increase in the air temperature at the inlet to the recuperator ensures its defrosting. After the exhaust air temperature rises above 0 °C, the outdoor air supply to the unit will be reopened.

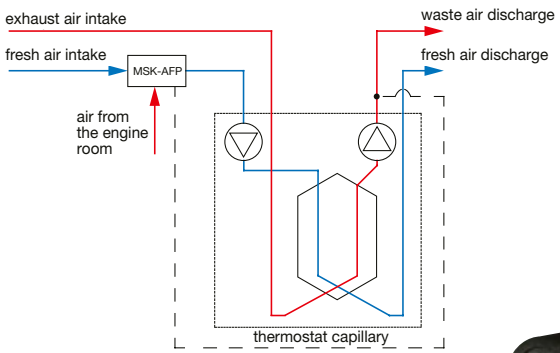
Installation

Always install the AFP flap in the supply pipe of outside air to the unit according to the diagram. Mount the thermostat capillary in the exhaust air pipe. It is forbidden to bend the capillary sharply – min. bending radius is 20 mm! The flap can be installed in any position. It must be located to allow access to the terminal block, thermostat and servo-drive. Air intake from the engine room is provided for the MSK-AFP 125–160 through a grid on the flap casing, for the MSK-AFP 100, a DN 100 pipe terminated with a drain valve is connected to the flap neck.

Accessories

- Insulation to eliminate the condensation risk is part of the delivery
- Supply cable is not part of the delivery

Supplementary image



FX synthetic rubber insulation preventing the water condensation

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