PZKD

Double-flap backdraft damper

INSTALLATION AND OPERATING MANUAL

APPLICATION

Airtight backdraft dampers are used in ventilation systems for supply and exhaust of air. They are designed for direct insertion into ventilation ducts or retrofitting in existing ducts with diameters of 80, 100, 125, 150, 160, 200 mm.

INSTALLATION

Insert the part into the ventilation duct, ideally in a readily accessible location (beginning or end of the pipe). The plastic clamp with double circular sealing ensures necessary sealing in the ventilation duct.

When installing the damper in a horizontal duct, the axis of the flaps must always be in a vertical position. (Fig. 1)
It is essential to ensure the correct direction of airflow. (Fig. 2)
The air flowing through the damper should be clean, partially free of dust or oil droplets.
When placing the backdraft damper directly behind a disc valve or an air inlet/outlet part, do not use any sharp tools. It could damage the membrane.
The backdraft damper must be accessible and replaceable for servicing, inspection, and maintenance.
The double-flap backdraft damper PZKD with magnetic opening and closing can be installed horizontally or vertically. In a horizontal ventilation duct should be installed perpendicular or at a maximum of 5° against the direction of airflow. (Fig. 3)
Any other than vertical, perpendicular, or horizontal installation limits the odour control functionality.

MAINTENANCE

The components repel dirt and are maintenance-free. However, when used in humid and dusty air, you should periodically check their perfect functionality. In case of heavy soiling, the components should be cleaned in a soapy solution.

WARRANTY CLAIMS - DISCLAIMER

If you fail to follow the provided instructions, our warranty is void. The same applies to liability claims against the manufacturer.

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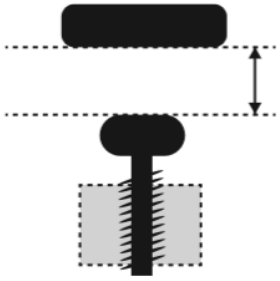
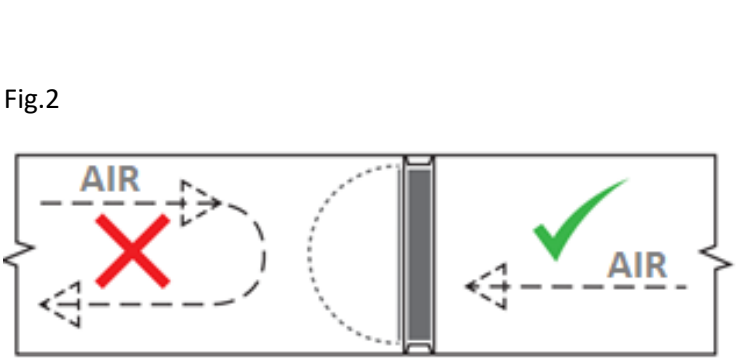
MAGNET ADJUSTMENT

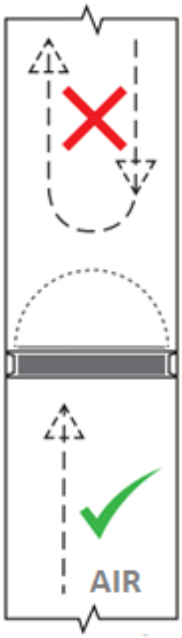
If needed, the magnetic force on the steel screws can be adjusted, thereby changing the closing force of the damper's flap. Simply tighten or loosen the screw as needed using a cross-head screwdriver. To increase the force, turn the screw closer to the magnet. The reason for this adjustment may be a higher vacuum in the duct. It is important to ensure that the screw does not protrude too much, allowing the damper to fully close.



When inserting into a horizontal duct, ensure the vertical position of the axis of rotation!

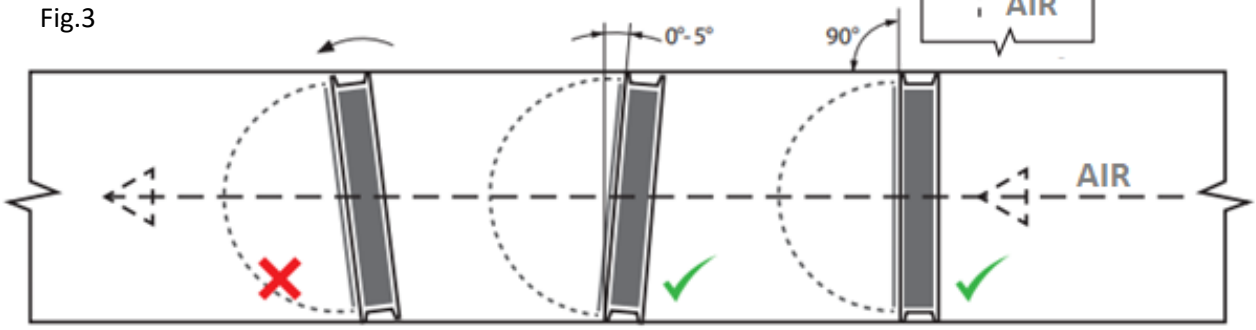
Fig.2





Pay attention to the direction of airflow during installation.

Fig.3



The backdraft damper should be installed perpendicular or at a maximum of 5° against the direction of airflow in a horizontal ventilation duct.