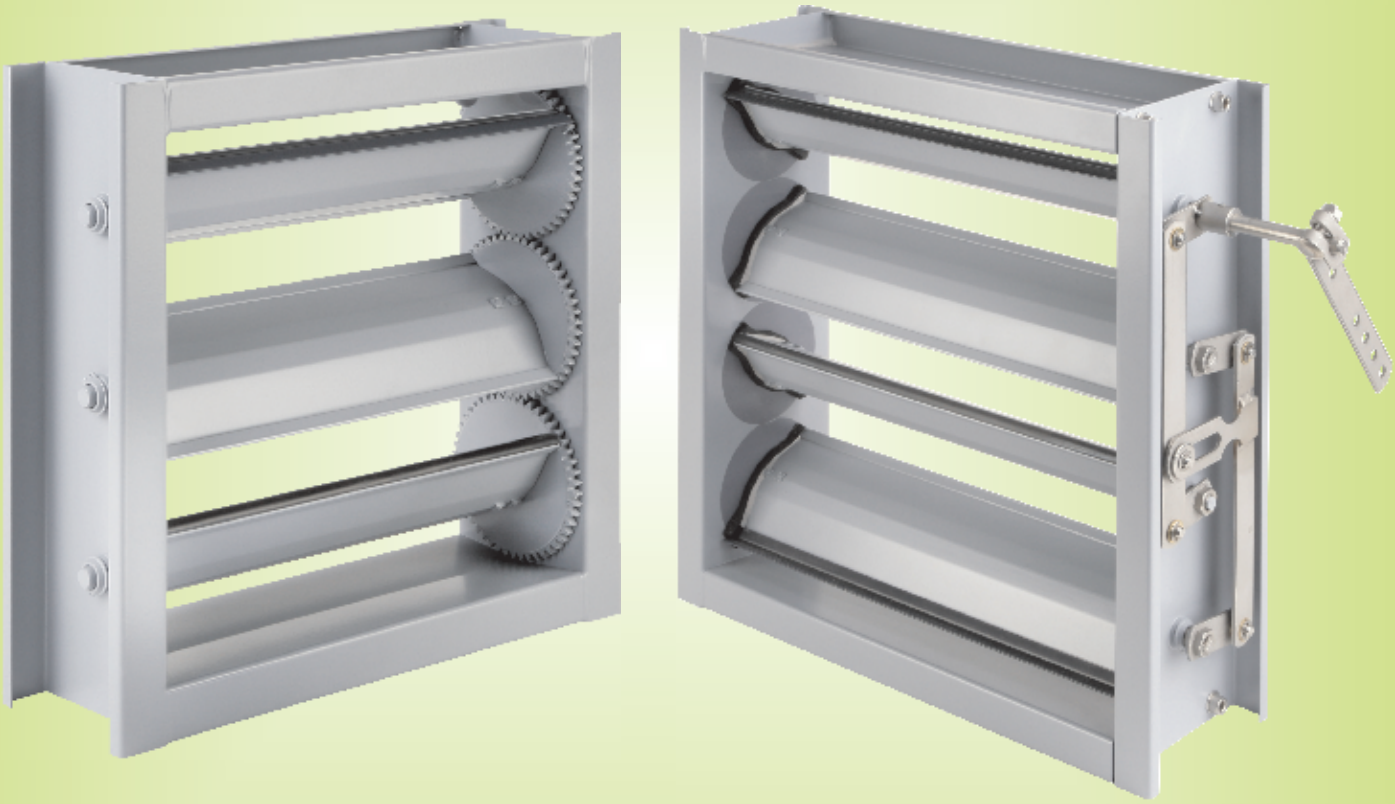
Multi-leaf dampers



Installation instructions

Directions for operation

and maintenance

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Multi-leaf dampers

Installation instructions

Operation and maintenance directions for multi-leaf dampers

1. Transport

The blades of the multi-leaf dampers must not be lifted up during transport. This could result in damage due to distortion. The multi-leaf dampers should not be used as a “ladder”.

2. Operation

The blades must be operated only by means of the drive shaft. Operation by rotating the blades is not permitted. The drive shafts have a diameter of 12 mm or a form-fit execution of a span of the jaw of 9 mm.

3. Installation

The installation of the dampers between ducts, on the wall or within devices (airconditioning equipments, ventilating devices) must be performed without warping, free of tensions, planely and in an exact angle of 90°. The multi-leaf dampers must be closed during installation.

4. Maintenance

Depending on the degree of soiling of the medium, dry cleaning should be performed periodically. Attention: do not clean the dampers with cleaning products, otherwise the seals will be damaged!

Furthermore, the dampers are to be operated periodically according to the system-dependent conditions. This prevents adhesion of the blade seals if the blades are closed.

5. Accident risks

Do not reach into the blades. Do not lift up or carry the dampers by the blades.

A risk of injury exists on the gearwheels; respectively on the linkage and the sharp edges.

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Installation Instructions, ATEX-Annex 94/9 EG

For dampers that are temperature bonded the security gap to the ignition temperature according to EN 13463 has to be followed by the operating company.

The temperatures of all surfaces that encounter dust clouds must not exceed 2/3 of the minimum ignition temperature of the mentioned dust cloud.

The damper has to be involved in the potential equalization of the air duct.

The closing time of the damper must not fall below 3 seconds.

Rusty mounting parts respectively the use of rusty tools has to be avoided definitely.

In case of danger of rust particles or rusty iron parts inside of the air flow those have to be eliminated by appropriate cleaners definitely.

During mounting or demounting please pay attention that no tools or other materials get into the ventilation.

Actuators have to be chosen according to the surrounding zone of the actuator.

The damper has to be cleaned periodically so that no dust film occurs.

When cleaning please pay attention not to disperse dust.

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