

Insulated multi-leaf damper

jk-iso



- ✓ Housing in insulated double-walled version
- ✓ Insulated slats for energy savings
- ✓ Free choice of dimensions
- ✓ Silicone-free

Product information

DL multi-leaf dampers in an insulated design are suitable for closing off channels and openings in walls and ceilings in order to counteract the influence of cold/heat and minimise the required energy consumption. Optionally, the insulated multi-leaf dampers can be used to regulate volumetric flow rate and pressure within HVAC systems. The damper should be installed at a right angle with horizontal slats. Coupled and insulated hollow body slats with rubber lip seals are held within connector profiles. The adjustment mechanism works using an external rod, meaning that the drive unit is not obstructing the airflow and that the hygiene requirements of VDI 6022 are met. Brass bearing The leakage airflow of a closed damper corresponds to class 4

and the housing leakage airflow corresponds to class C in accordance with DIN EN 1751/is airtight in accordance with DIN 1946, sheet 4. The installation depth is 180 mm. The multi-leaf damper is operated as standard using a manual adjuster with locking mechanism. Optionally, a motorised console can also be fitted to enable electric or pneumatic operation. The housing is fitted with a 30 mm profile frame, with corner brackets, on both sides.

Order code legend

Technical data

Material

Galvanised steel
Aluminium
V2A stainless steel
V4A stainless steel

Pressure rating

Low pressure (-200 Pa/+400 Pa)
Moderate pressure (-500 Pa/+1000 Pa)
High pressure (-750 Pa/+2000 Pa)

Leakage class

ATC 3 (C)
4 in accordance with DIN EN 1751/DIN 1946 sheet 4, when the multi-leaf damper is closed

Dimensions

Width: min. 210 mm – on request
Height: min. 210 mm – on request
Depth: 180 mm

Recommended air velocity

Inflow 6–8 m/s

Finish

Powder coating as per RAL
Wet painting as per RAL
NCS or DB

Temperature resistance

-20° to +80°C

Order code

JK-ISO-180-4-W-B-H-V-O

Material (M)

VZ – galvanised
ALU – aluminium
V2A – stainless steel V2A
V4A – stainless steel V4A

Opening in mm

W – width
H – height
Can be freely selected

Connection (V)

P30 – profile frame with corner brackets
P20 – profile frame with corner brackets

Optional (o)

KS – console for actuator
VK – connector claw (to connect the damper in width)
VG – connector rod (to connect the damper in height)
M – motorised actuator
...-AZ – open/closed

...-SR – continuously adjustable

...-F – with spring return

...-SF – continuously adjustable and spring return

P – pneumatic drive

...-EW – single-acting

with return spring

...-DW – double-acting

E-MA installation frame, bracket frame 35 x 35 x 5 mm with corner holes, with wall anchors – WA

VSG ... – with bird protection grille as ingress protection

P-RAL... – powder coating

L-RAL... – painting

RAL colour of choice

ETB – increased temperature resistance

Accessories.

Installation frame for masonry

Combination with weather protection grille or bird protection grille

Frost protection

Actuator, pneumatic

Actuator, electric

Coating as per RAL

Example

Multi-leaf damper, ISO 30, galvanised, 500 x 400 mm, P30 profile frame with return-spring motor and contact protection

Order code

JK-ISO30-GS/GE-180-4-VZ-500x400-P30-KS-M-SR-VSG