

Type AK



FOR LOW-LEAKAGE SHUT-OFF

Circular shut-off dampers for shutting off volume flows in ventilation ducts of air conditioning systems

- Maintenance-free damper blade mechanism
- Closed blade air leakage to EN 1751, up to class 4
- Casing air leakage to EN 1751, class C

Optional equipment and accessories

- Electric actuator
- Spring return actuator
- Pneumatic actuator
- Auxiliary switch with adjustable switching points for capturing the end positions



Application

- Circular shut-off dampers Type AK for shutting off or restricting the airflow in ventilation ducts of air conditioning systems

Special features

- Damper blade can be actuated manually, electrically or pneumatically
- Low-leakage shut-off
- Safety function provided by optional spring return actuator

Nominal sizes

- 100, 125, 160, 200, 250, 315, 400

Variants

- AK: Shut-off damper
- AK-FL: Shut-off damper with flanges on both ends

Construction

- Galvanised sheet steel
- P1: Powder-coated, silver grey (RAL 7001)
- A2: Stainless steel

Parts and characteristics

- Ready-to-install shut-off damper
- Damper blade with blade mechanism

Attachments

- Open/Close actuators: For the opening and closing of shut-off dampers in air conditioning systems
- Auxiliary switch for capturing the end positions

Accessories

- Lip seals on both ends (factory fitted)
- Matching flanges for both ends

Construction features

- Circular casing
- Spigot suitable for circular ducts to EN 1506 or EN 13180
- Spigot with groove for lip seal
- Position of the damper blade indicated externally at the shaft extension

- AK-FL: Flanges to EN 12220

Materials and surfaces

Galvanised sheet steel construction

- Casing and damper blade made of galvanised sheet steel
- Blade seal made of TPE plastic
- Bearings made of TPU

Powder-coated construction (P1)

- Casing made of galvanised sheet steel, powder-coated
- Damper blade made of stainless steel 1.4301
- Shaft made of stainless steel 1.4305

Stainless steel construction (A2)

- Casing and damper blade made of stainless steel 1.4301
- Shaft made of stainless steel 1.4305

Standards and guidelines

- Hygiene conforms to VDI 6022
- Closed blade air leakage to EN 1751, class 4 (nominal sizes 100, 125 and 160, class 3)
- Nominal sizes 100, 125, and 160 meet the general requirements, nominal sizes 200 – 400 meet the increased requirements of DIN 1946, part 4, with regard to the acceptable closed blade air leakage
- Casing air leakage to EN 1751, class C

Maintenance

- Maintenance-free as construction and materials are not subject to wear

TECHNICAL INFORMATION

Function, Technical data, Quick sizing, Specification text, Order code



Variants, Attachments, Dimensions and weight



Installation details, Basic information and nomenclature



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