

## 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 

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Variants, Attachments, Dimensions and weight 

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Installation details, Basic information and nomenclature 

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