

ABC-SFK4

DAMPER



- Blade leakage class: Class 4
- Casing leakage class: D (ATC 2)
- Pressure class: B
- Robust construction
- Protected linkage

USE

ABC-SFK4 is intended for control and shut-off in air-handling systems. For rectangular ducts.

DESIGN

Nylon bearings and EPDM seals. Supplied as standard for slip-joint connection, but can also be provided with a 40 mm flange edge. The linkage is protected to accommodate duct insulation. Do not fasten screws into the damper casing. Screws should only be installed in the connection flanges. The ABC-SFK4 can be supplied with factory-mounted actuators or manual control mechanisms. Manufactured from zinc-magnesium coated steel sheet (ZM120) with corrosivity class C4 in accordance with SS-EN ISO 12944-2.

Also available in other materials:

- Zinc-magnesium, ZM120
- Zinc-magnesium, ZM310
- Aluzinc
- Stainless steel
- Acid-resistant stainless steel

LEAKAGE CLASS ACCORDING TO EN 1751

Blade leakage: Class 4

Casing leakage: Class D (ATC 2)

Leakage testing performed in accordance with EN 1751:2024, as documented in RISE Report 1331242A.

OPERATING PRESSURE

Maximum differential pressure of 2500 Pa across a closed damper. The dampers are designed for Pressure Class B.

OPERATING TEMPERATURE

Maximum operating temperature: 70°C.

SIZE

See the size/actuator table below.

For larger dimensions, the damper can be supplied in multiple sections.

ACCESSORIES

Actuator

Manual control

40 mm flange connection

Insulated damper blades

SPECIFICATION TEXT

Damper ABC-SFK4, manufactured by Swegon.

Casing leakage class D (ATC 2) and blade leakage class 4 according to EN 1751. Constructed from ZM120 zinc-magnesium alloyed steel sheet. Supplied complete with a factory-mounted actuator in accordance with the manufacturer's recommendations.

Actuator: SM24. Supply voltage: 24 V AC/DC

Control function: Two-position (On/Off). Size: 600×600 mm



SM



SFA



SF



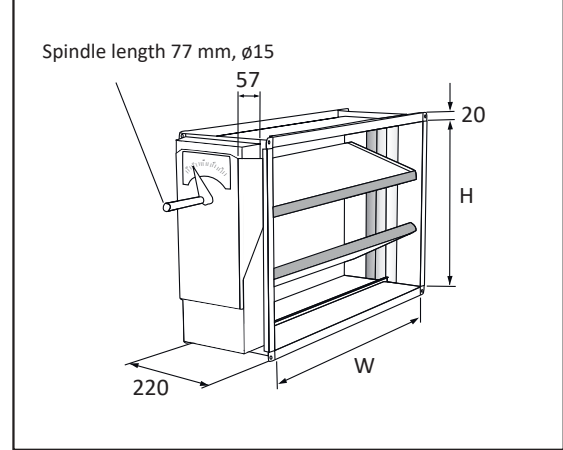
EF



GM



ABC-HR SFK

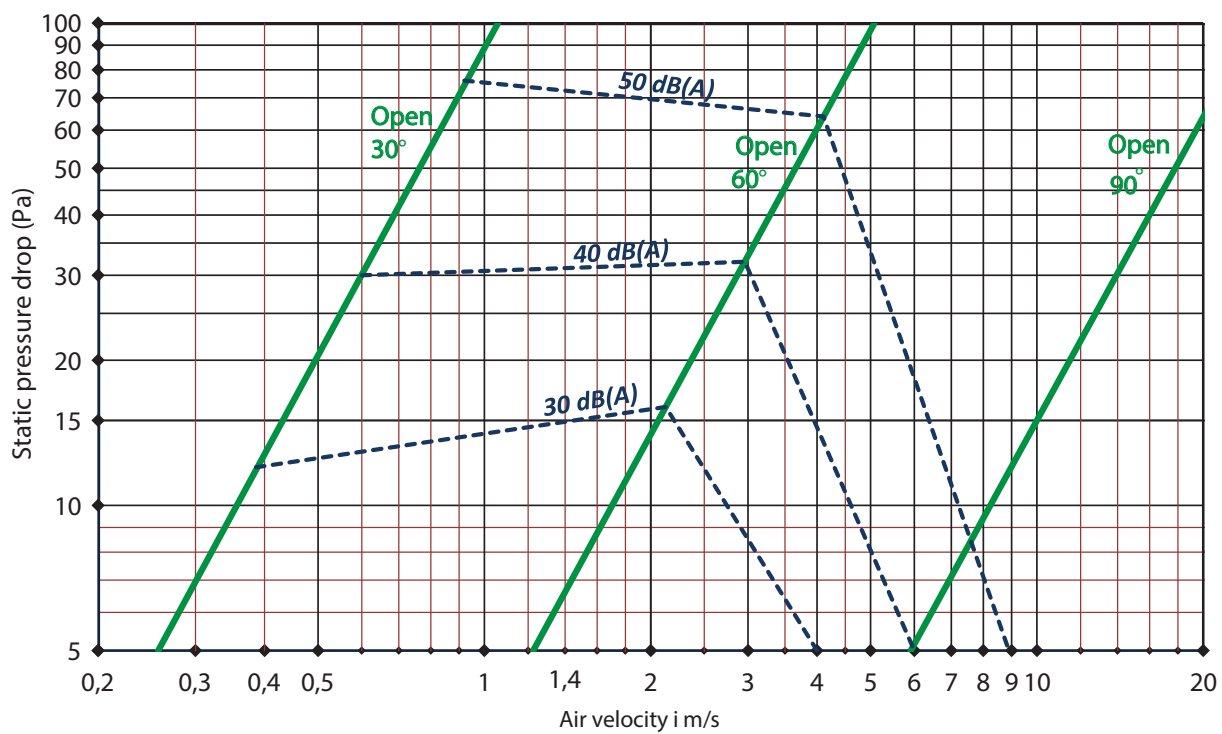


ABC-SFK4 SIZE/ACTUATOR (BELIMO) TABLE

Weight approx. 41kg/m² damper area

Width Height	300	400	500	600	700	800	900	1000	1100	1200	1300	1400	1500	1600
300	N/A	N/A	N/A	SM, SF, SFA	SM, SF, SFA	SM, SF, SFA	SM, SF, SFA	SM, SF, SFA	SM, SF, SFA	SM, SF, SFA	SM, SF, SFA	SM, SF, SFA	SM, SF, SFA	SM, SF, SFA
400	N/A	N/A	N/A	SM, SF, SFA	SM, SF, SFA	SM, SF, SFA	SM, SF, SFA	SM, SF, SFA	SM, SF, SFA	SM, SF, SFA	SM, SF, SFA	SM, SF, SFA	SM, SF, SFA	SM, SF, SFA
500	N/A	N/A	N/A	SM, SF, SFA	SM, SF, SFA	SM, SF, SFA	SM, SF, SFA	SM, SF, SFA	SM, SF, SFA	SM, SF, SFA	SM, SF, SFA	SM, SF, SFA	SM, SF, SFA	SM, SF, SFA
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1600	SM, SF, SFA	SM, SF, SFA	SM, SF, SFA	SM, SF, SFA	SM, SF, SFA	SM, SF, SFA	SM, SF, SFA	SM, SF, SFA	SM, SF, SFA	SM, SF, SFA	SM, SF, SFA	EF, GM	EF, GM	EF, GM

DIMENSIONING



The stated data are guideline values

OPERATION AND MAINTENANCE

Actions during periodic maintenance, inspection, or troubleshooting:

EXTERNAL INSPECTION

- Check the damper casing and linkage system to ensure that no external damage or foreign objects hinder the damper shafts' ability to move.
- Check that the damper shaft can be turned in both end positions.
- Lubricate the damper linkage system if necessary.

INTERNAL INSPECTION

WARNING! The damper contains moving parts that, if handled carelessly, can cause pinch injuries.

- Check that no damage or foreign objects hinder the damper blade's ability to move.
- Check that the damper blade seals are intact.
- If internal inspection as described above cannot be carried out, the damper's function and tightness can only be checked by differential pressure measurement across the closed damper.

CLEANING

- The cleaning requirement corresponds to the requirements placed on the system or system section in general.
- Do not use solvents that may damage seals and bearings. If in doubt, contact Swegon.
- After cleaning, check that no damage has occurred to the damper as described above.