

ABC-SFK

DAMPER



USE

ABC-SFK is intended for control and shut-off in air-handling systems.

DESIGN

Supplied for slip joint connection, but can also be provided with a 40 mm flange. ABC-SFK can be supplied with factory-mounted actuators. Bearings made of nylon and seals made of EPDM. 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

AIR TIGHTNESS CLASS ACCORDING VVS-AMA
Klass 3.

OPERATIONAL PRESSURE

Max 2500 Pa differential pressure across a closed damper. The damper is designed for pressure class B.

Accessories SFK:
Actuators
Hand control (HR)



HR

SPECIFICATION TEXT

Damper ABC-SFK by Swegon. Pressure class B. Air tightness class 3. Manufactured in zincmagnesium ZM120. Complete with factory-fitted actuator in accordance with the manufacturers recommendation. NM 24. Voltage: 24V. Function: 2-position. Size: 400x400.

RECOMMENDED ACTUATOR ABC-SFK

Surface/height actuator
 $<0,3 \text{ m}^2 / <1000 \text{ mm NM, NF, NFA}$
 $<2,0 \text{ m}^2 / <2000 \text{ mm SM, SF, SFA}$
 $<3,0 \text{ m}^2 / <2000 \text{ mm 2 st SM alt. 1st GM. 1st EF}$



SM



NM



SF



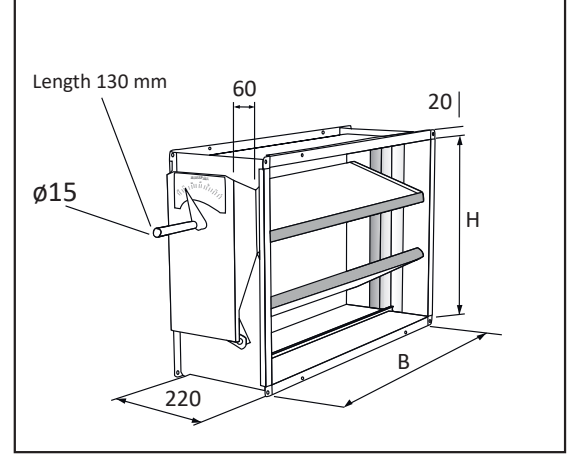
SFA



GM



EF



SFK Damper sectioning table

Weight ca 40kg/m² damper area

Width \ Height	300	400	500	600	700	800	900	1000	1100	1200	1300	1400	1500	1600	1700	1800	1900	2000
200	NM, NF, NFA	NM, NF, NFA	NM, NF, NFA	NM, NF, NFA	NM, NF, NFA	NM, NF, NFA	NM, NF, NFA	NM, NF, NFA	NM, NF, NFA	NM, NF, NFA	NM, NF, NFA	NM, NF, NFA	SM, SF, SFA	SM, SF, SFA	SM, SF, SFA	SM, SF, SFA	SM, SF, SFA	SM, SF, SFA
300	NM, NF, NFA	NM, NF, NFA	NM, NF, NFA	NM, NF, NFA	NM, NF, NFA	NM, NF, NFA	NM, NF, NFA	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	NM, NF, NFA	NM, NF, NFA	NM, NF, NFA	NM, NF, NFA	NM, NF, NFA	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	SM, SF, SFA	SM, SF, SFA
500	NM, NF, NFA	NM, NF, NFA	NM, NF, NFA	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	SM, SF, SFA	SM, SF, SFA	SM, SF, SFA	SM, SF, SFA
600	NM, NF, NFA	NM, NF, NFA	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	SM, SF, SFA	SM, SF, SFA	SM, SF, SFA	SM, SF, SFA	SM, SF, SFA
700	NM, NF, NFA	NM, NF, NFA	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	SM, SF, SFA	SM, SF, SFA	SM, SF, SFA	SM, SF, SFA	SM, SF, SFA
800	NM, NF, NFA	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	SM, SF, SFA	SM, SF, SFA	SM, SF, SFA	SM, SF, SFA	SM, SF, SFA	SM, SF, SFA
900	NM, NF, NFA	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	SM, SF, SFA	SM, SF, SFA	SM, SF, SFA	SM, SF, SFA	SM, SF, SFA	SM, SF, SFA
1000	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	SM, SF, SFA	SM, SF, SFA	SM, SF, SFA	SM, SF, SFA	SM, SF, SFA	SM, SF, SFA	SM, SF, SFA
1100	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	SM, SF, SFA	SM, SF, SFA	SM, SF, SFA	SM, SF, SFA	SM, SF, SFA	SM, SF, SFA	SM, SF, SFA
1200	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	SM, SF, SFA	SM, SF, SFA	SM, SF, SFA	SM, SF, SFA	SM, SF, SFA	SM, SF, SFA	*Split config.
1300	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	SM, SF, SFA	SM, SF, SFA	SM, SF, SFA	SM, SF, SFA	SM, SF, SFA	*Split config.	*Split config.
1400	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	SM, SF, SFA	SM, SF, SFA	SM, SF, SFA	SM, SF, SFA	*Split config.	*Split config.	*Split config.
1500	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	SM, SF, SFA	SM, SF, SFA	*Split config.	*Split config.	*Split config.	*Split config.	*Split config.
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	SM, SF, SFA	*Split config.	*Split config.	*Split config.	*Split config.	*Split config.	*Split config.
1700	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	SM, SF, SFA	*Split config.	*Split config.	*Split config.	*Split config.	*Split config.	*Split config.
1800	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	*Split config.	*Split config.	*Split config.	*Split config.	*Split config.	*Split config.	*Split config.
1900	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	*Split config.	*Split config.	*Split config.	*Split config.	*Split config.	*Split config.	*Split config.	*Split config.
2000	SM, SF, SFA	SM, SF, SFA	SM, SF, SFA	SM, SF, SFA	SM, SF, SFA	SM, SF, SFA	SM, SF, SFA	*Split config.	*Split config.	*Split config.	*Split config.	*Split config.	N/A	N/A	N/A	N/A	N/A	N/A

In case of a split configuration, please contact Sales.

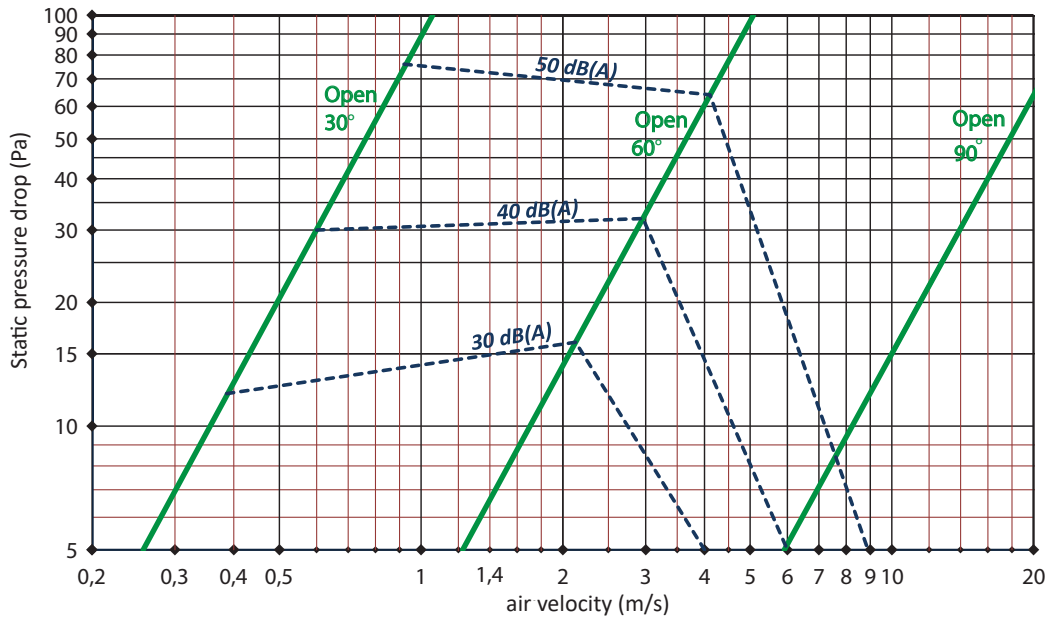
* Split configuration in width – note two actuators located on opposite sides (SM, SF, SFA).

** Split configuration in height – note two actuators located on the same side (SM, SF, SFA).

Alternatively, a non-split configuration with one GM or EF actuator.

DIMENSION

The stated data are guideline values



Sound and pressure measurements performed by RISE

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.