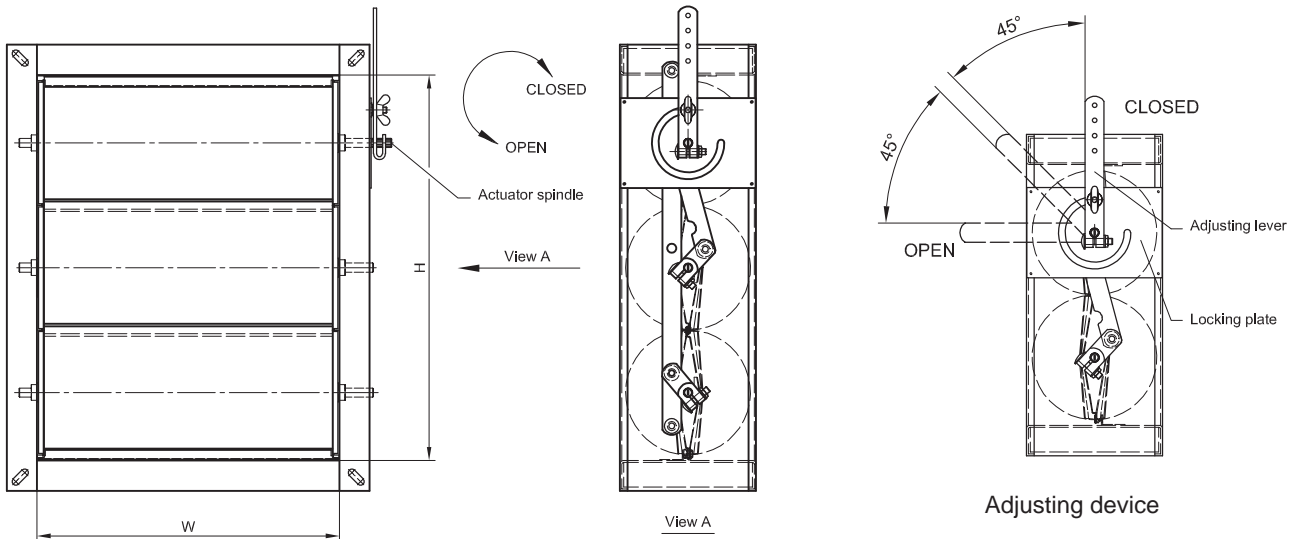


JL Multileaf Dampers

Actuators

Actuator spindles

In the case of JL multileaf dampers which have only one actuator spindle, this is located on the uppermost blade. For heights from 1005 mm there are two actuator spindles; these are suitably distributed between the top and bottom halves; as a result the driving torque is evenly distributed across all blades.



Electrical actuators

JL multileaf dampers are available with the following factory-installed electrical actuators:

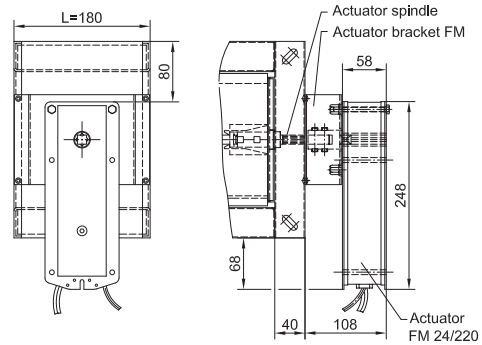
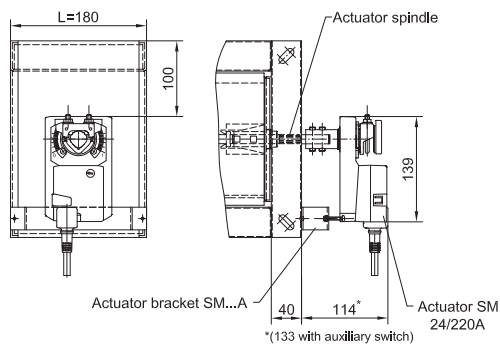
Electrical reversible actuators SM24A and SM220A, which open or close the multileaf dampers on 24V direct or alternating voltage or 230V alternating voltage at a driving torque of 20^{*)} [Nm]. The current actuator setting is retained in the event of a power failure.

Further data ⇒ see page 15

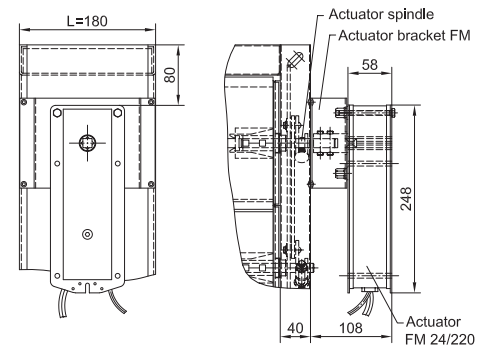
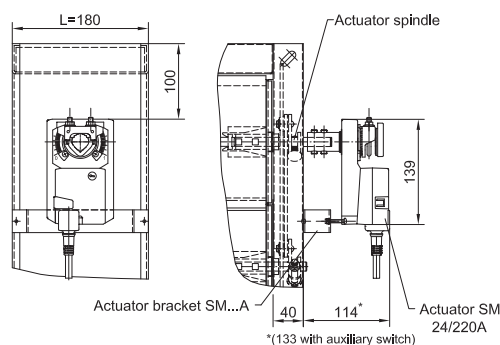
Electrical spring return actuators FM24 and FM220, which open the multileaf dampers on 24V direct or alternating voltage or 230V alternating voltage at a driving torque of 18^{*)} [Nm]. In the event of power failure the multileaf dampers close with a driving torque of 12^{*)} [Nm].

Further data ⇒ see page 15

Actuator attachment for multileaf damper height H = 180 mm



Actuator attachment for multileaf damper height H > 180 mm



^{*)} Required driving torques ⇒ see page 14; greater driving torques require two actuators!

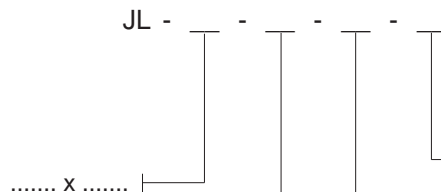
JL Multileaf Dampers

Order information, installation notes

Size

nominal size W x H

⇒ see page 11



Accessories

1GF with 1 counter flange
2GF with 2 counter flanges

⇒ see page 13

MR with wall mounting frame

⇒ see page 13

Adjusting devices

One or two actuator spindles are available depending on width and height; hence the same number of locking devices / actuators is required!

⇒ see page 14 and page 15

F locking device (standard)

Actuators 20 [Nm]³⁾

SM220A 100 to 240V AC

SM220A-S1A 100 to 240V AC and 1 auxiliary switch

SM220A-S2A 100 to 240V AC and 2 auxiliary switches

SM24A 24V AC / DC

SM24A-S1A 24V AC / DC and 1 auxiliary switch

SM24A-S2A 24V AC / DC and 2 auxiliary switches

Spring return actuators 18 [Nm] / 12 [Nm]³⁾

FM220 230V AC and integrated limit switches

FM24 24V AC/DC and integrated limit switches

Spindle extensions for customer-supplied actuators

SM Ø18 mm for SM actuators

FM 12 x 12 mm for FM actuators

L150 Ø 12 mm, 150 mm long for adjusting lever

Straps for combining two JL multileaf dampers must be ordered separately:

U-LU1 for widths < 1000 mm | same width arranged
U-LU2 for widths ≥ 1000 mm | one upon the other!

U-LN1 for heights < 1005 mm | same height arranged
U-LN2 for heights ≥ 1005 mm | alongside!

Installation notes

JL multileaf dampers can be used for:

temperatures: -20°C to +90°C

pressure differences Δp_s : to 2500 [Pa]

The multileaf dampers must be installed with spindle in horizontal alignment, strain-free and sealed between counter flanges or on wall mounting frame, in order to guarantee air tightness and compliance with the required driving torques.

Avoid constant exposure to the effects of UV light.

JL Multileaf Dampers

Specification text

Multileaf dampers made of galvanised sheet steel. Airtight in accordance with DIN 1946-4 and leak tightness class 4 according to EN 1751 at 100 Pa static pressure difference. Type-tested. For use as control or shut-off dampers in ventilation and air conditioning systems. Hygienically smooth, opposed hollow blades profiled for optimum flow in special brass bushings and 180 mm long all-around canted frame. Connection flanges for installation between ducts and on walls or ceilings. With adjusting lever and locking device / electrical actuator / electrical spring return actuator / with auxiliary switches. With wall mounting frame and counter flange / counter flanges. Also includes connecting straps required to install two multileaf dampers either one upon the other / alongside.

..... **pieces**

Volume flow rate: m³/h

Manufacturer: WILDEBOER®

Type: JL

Dimension W x Hx.... mm

Complete with fasteners supply:

install:

Delete text in non-bold type as required!

JL Multileaf Dampers

Notes

