

Dynamic Fire Damper

Model

Dynamic Fire Damper **FDD-MB-3V**

Features:

- The FDD-MB-3V series Dynamic Fire Dampers have been designed and tested to exceed all U.L., U.L.C. and N.F.P.A. requirements for fire dampers.
- The FDD-MB-3V damper's rigid frame and integrally braced corners provide true damper alignment that generally resists being installed out of square or out of flat. This insures onsite performance equal to test results.
- Multi Section units must be ordered with an actuator and a single heat responsive device, except as noted.
- Single Section units can be ordered with a fusible link and locking hand quadrant.
- Also available are options EFL (Electric Fusible Link) and PFV (Pneumatic Fusible Valve). These options provide quick and economical ways to check damper operations and also provide a Systematic Closure Control. Option PFV allows damper operation without the need/cost for an EP valve and electrical connection at the damper.

Construction:

Frame: 5" Roll Formed Galvanized Steel hat-section with staked corners with integral bracing.

Blades: 16 ga. Roll Formed Galvanized Steel.

Minimum width: 4 1/4" (108mm)

Maximum width: 7 1/4" (184mm)

Bearings: Bronze Oilite, press-fit into frame

Axles: Square, plated steel

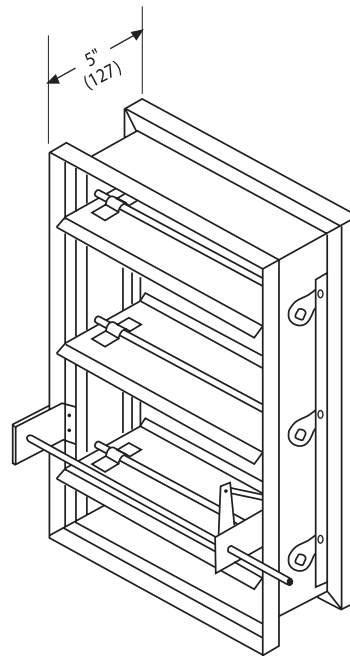
Linkage: Concealed in frame. Linkage bars are 12ga. galvanized steel.

Fusible Link: U.L. Listed 165°F

Sizes: Minimum Size: 6" w X 6" h (152mm x 152mm)

Maximum UL Listed Size:

Single Section: 36" w X 48" h (914mm x 1219mm)



1 1/2 Hr. Vertical: Multiple Assembly
- 72" w X 48" h (1829mm x 1219mm) with fusible link

- 108" w X 96" h (2743mm x 2438mm) with actuators

1 1/2 Hr. Horizontal: Multiple Assembly
- 72" w X 96" h (1829mm x 2438mm) with actuators

3 Hr. Vertical: Multiple Assembly
- 72" w X 48" h (1829mm x 1219mm) with fusible link

- 72" w X 96" h (1829mm x 2438mm) with actuators

3 Hr. Horizontal: Multiple Assembly
- 72" w X 96" h (1829mm x 2438mm) with actuators

LISTED AND LABELLED BY :



DESIGNED AND TESTED IN ACCORDANCE WITH UL-555 AND ULC-S112. MEETS ALL NFPA-90A REQUIREMENTS FOR FIRE DAMPERS.

Optional Construction:

- Factory Supplied Sleeve
 - 20 Gauge
 - 18 Gauge
 - 16 Gauge
 - 14 Gauge
 - 10 Gauge
 - Sleeve Length (Required) _____
16" Minimum
- 3 Hour Rating
- Manual Locking Quadrant
- Fuse Link 212°F
- 250°F - 350°F (Actuators Required)

Notes: Dampers are furnished approximately 1/4" (6mm) smaller than given duct dimensions.

UL/ULC Approved For Use in Dynamic and Static Systems.

Manufacturer's Recommendations

All moving parts of the damper must be inspected and cycled at intervals not greater than every six months and in accordance with the latest edition of NFPA 90A, 92A, local codes and the actuator manufacturer. In addition, fuse links shall be removed and inspected for corrosion. Dry lubricants are recommended.

Specifications are correct at time of printing. However, as part of our "continuous improvement program," we reserve the right to make further improvements without notice.

PROJECT:		
ENGINEER:		
CUSTOMER:		Apr / 09
SUBMITTAL DATE:	SPEC. SYMBOL:	245021

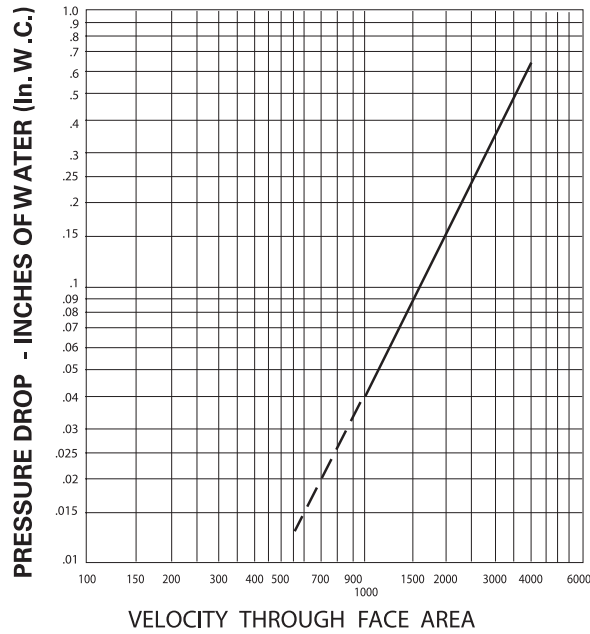
Model FDD-MB-3V
1½, 3 Hour Rated
Multi-Blade



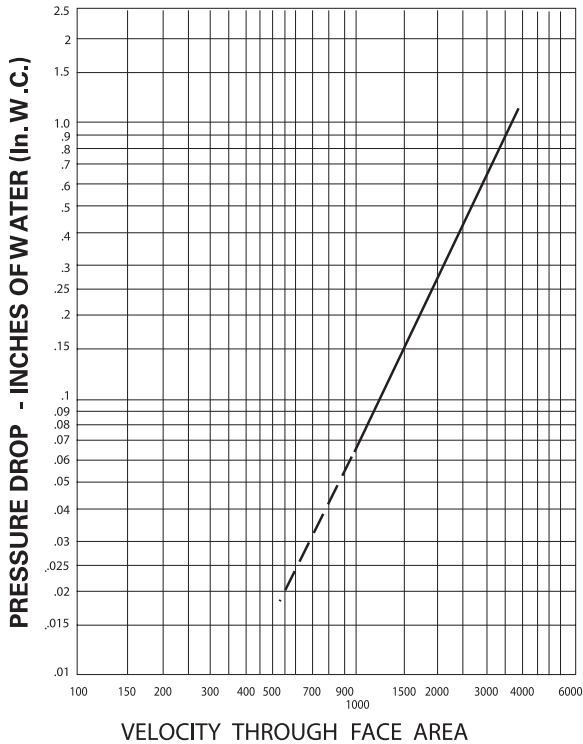
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Pressure drop testing was done by an independent laboratory to AMCA Standard 500-D, Fig. 5.3 ductwork upstream & downstream.

DAMPER SIZE 36 x 36



DAMPER SIZE 24 x 24



DAMPER SIZE 12 X 12

