

Dynamic Fire Damper

Model

Dynamic Fire Damper **FDD-MB-AF**

Features

- The FDD-MB-AF series Dynamic Fire Dampers have been designed and tested to provide a complete range of performance features.
- 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 E-P valve and electrical connection at the damper. These options require an actuator to be ordered with the damper.

Standard Construction:

Frame: Roll-formed galvanized steel hat section with staked corners with integral bracing.

Blades: Airfoil-shaped, double skin galvanized steel of roll-formed construction. Mechanically joined to form construction equivalent to 14 ga. steel.

Minimum width 5" (127mm)

Maximum width 7" (178mm)

Bearings: Bronze Oilite, press-fit into frame.

Axles: Square, plated steel.

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

Fusible Link: UL Listed 165°F

Spring: Stainless steel.

Sizes:

Minimum Size: 8"w x 8"h
(203mm x 203mm)

Maximum UL/ULC Listed Size:

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

- 1½ 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

- 1½ Hr. Horizontal:** Multiple Assembly
- 36"w X 48"h (914mm x 1219mm) with actuators

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

- 3 Hr. Horizontal:** Multiple Assembly
- 36"w X 48"h (914mm x 1219mm) with actuators

Optional Construction:

- Factory Supplied Sleeve
 - 20 Gauge
 - 18 Gauge
 - 16 Gauge
 - 14 Gauge
 - 10 Gauge
 - Sleeve Length (Required) _____
16" (406mm) Minimum
- 3 Hour Rating
- Manual Locking Quadrant
- Fuse Link 212°F
- 250°F - 350°F (Actuators Required)

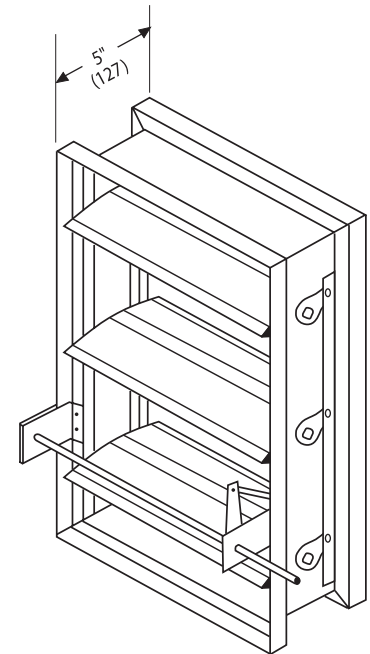
Notes: Dampers are furnished approximately ¼" (6mm) smaller than given duct dimensions.

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.



LISTED AND LABELLED BY :



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

PROJECT:			
ENGINEER:			
CUSTOMER:		Oct / 12	
SUBMITTAL DATE:	SPEC. SYMBOL:	245022	

Model FDD-MB-AF

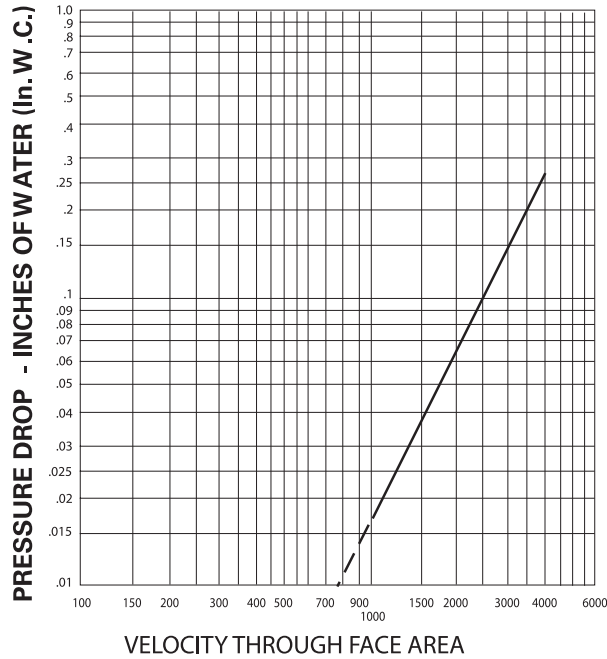
1½, 3 Hour Rated Multi-Blade Damper Airfoil Blade



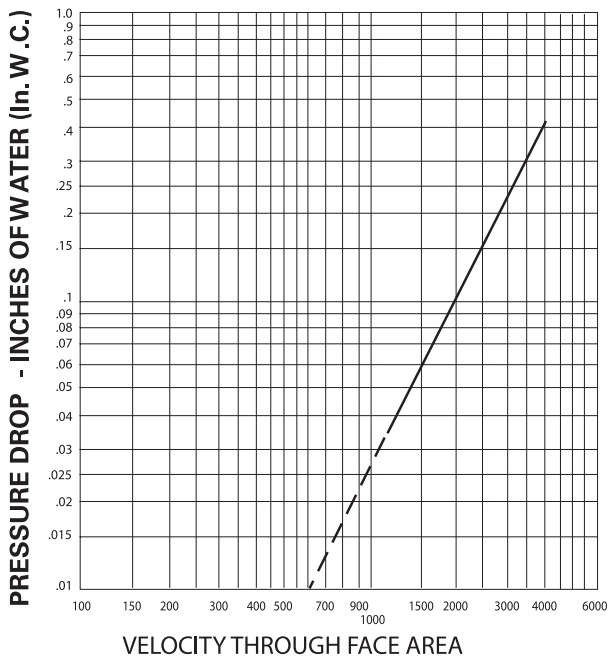
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Pressure drop testing was done by an independent laboratory to AMCA Standard 500-D, Fig. 5.3 ductwork upstream & downstream.

DAMPER SIZE 36 x 36



DAMPER SIZE 24 x 24



DAMPER SIZE 12 x 12

