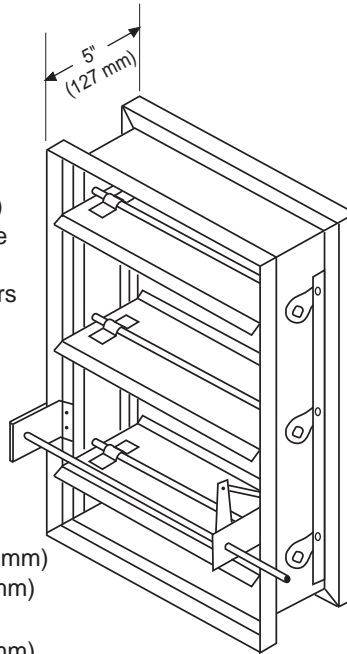




# MODEL FDD-MB-3V DYNAMIC FIRE DAMPER U.L. 555 CLASSIFIED — 1<sup>1</sup>/<sub>2</sub> & 3 HOURS

## Standard 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 1/8" (3.2mm)
- Fusible Link:** U.L. Listed 165°F
- Sizes:** Minimum Size: 6"w X 6"h (203 mm x 203 mm)  
Maximum UL Listed Size:  
Single Section: 36"w X 48"h (914 mm x 1219 mm)  
Multiple Assembly
- 1-1/2 Hr. Vertical Max:** 108"w X 96"h (2743 mm x 2438 mm)
- 1-1/2 Hr. Horizontal Max:** 72"w X 96"h (1828 mm x 2438 mm)
- 3 Hr. Vertical/Horizontal:**  
**Max:** 72"w X 96"h (1828 mm x 2438 mm)



LISTED AND LABELLED BY:



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

## 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.
- Single Section units can be ordered with a fusible link and locking hard 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.

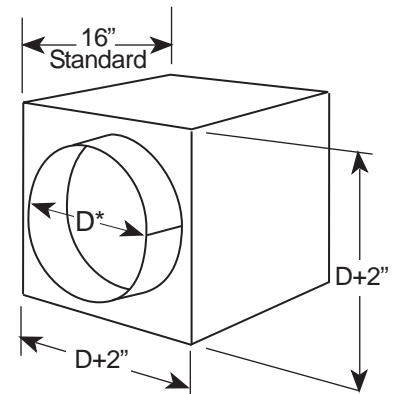
## Optional Construction:

- ☐ Factory Supplied Sleeve  
18 - 16 - 14 - 10 Gauge  
Sleeve Length (Required)  
16" Minimum
- ☐ 3 Hour Rating
- ☐ Manual Locking Quadrant
- ☐ Round Transitions  
(FDD-MD-3V-RD)\*1
- ☐ Fuse Link 212°F
- ☐ 250° F - 350° F (Actuators Required)

**Notes:** Dampers are furnished approximately 1/4" (6.4mm) smaller than given duct dimensions.

"These Dampers are UL/ULC Approved For Use in Dynamic and Static Systems."

\* D = Duct Size Minus 1/4"  
\*1 16"-20 Ga. sleeve required for FDD-MB-3V-RD



## 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.

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FD-MB-3V - 02-05

Project: \_\_\_\_\_ Contractor: \_\_\_\_\_  
Location: \_\_\_\_\_ Address: \_\_\_\_\_  
Architect: \_\_\_\_\_ P.O. Number: \_\_\_\_\_  
Engineer: \_\_\_\_\_ Date: \_\_\_\_\_



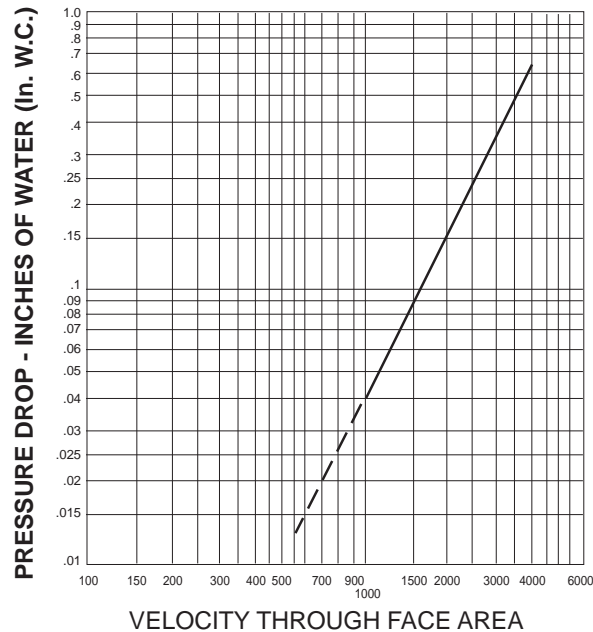
*MODEL FDD-MB-3V*  
*DYNAMIC FIRE DAMPER*  
*U.L. 555 CLASSIFIED — 1<sup>1</sup>/<sub>2</sub> & 3 HOURS*

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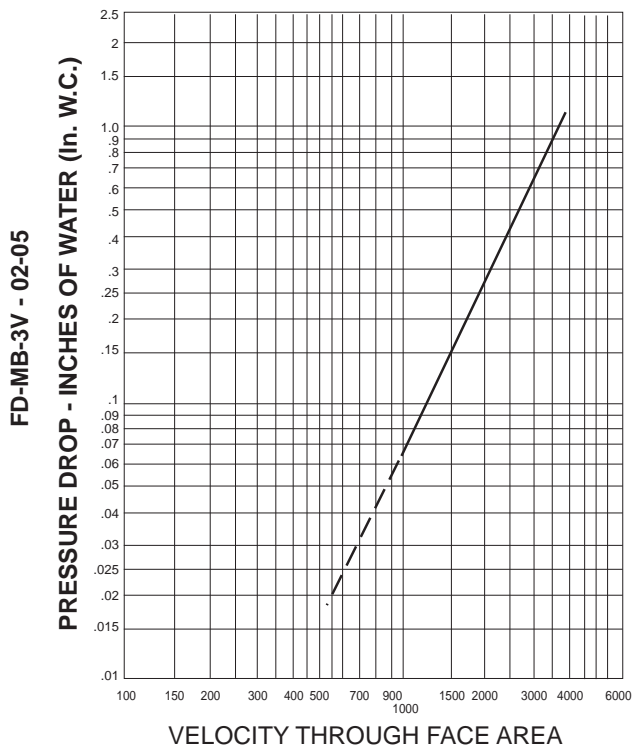
## PERFORMANCE DATA

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**

