

Dynamic Fire Damper • 1½ Hr. Rated • Horizontal and Vertical Mount • Non-Motorized • Out-of-Barrier • Galvanized Steel**STANDARD CONSTRUCTION**

- FRAME:** 5½" x 7⁄8" x 16 GA. galvanized steel hat channel.
- BLADES:** 16 GA. galvanized steel, 6" nominal width, parallel action.
- AXLES:** Square, plated solid steel stub.
- BEARINGS:** Oil impregnated bronze.
- LINKAGE:** Plated steel angle and crank plates with stainless steel pivots in-jamb type.
- STOPS:** 18 GA. galvanized steel at head and sill.
- JAMB SEALS:** Stainless Steel.
- SLEEVE:** 20 GA galvanized by 15" long (1.5" grille), or 17" long (3.5" grille) with 13/16" front flange, or 18" long (standard) for continuous duct applications.
- INSULATION:** Factory installed 0.2" thick intumescent insulation on top and both sides (vertical mount) or all four sides (horizontal mount).
- FINISH:** Mill.
- ACTUATOR:** Non-motorized spring closure mechanism with 165°F fusible link, internally mounted.

OPTIONS

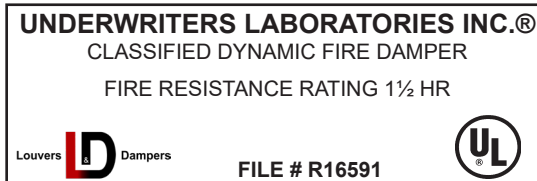
Sleeve of various depths and gauges
 Round, oval, and square/rectangular transitions
 212°F fusible link
 Dual Position Indication Package (see Notes)

NOTES

1. Width and Height are opening dimensions. Dampers are provided ¼" undercut. Additional undercut may be required based on damper size, refer to installation instructions.
2. Optional auxiliary blade position indication switches are rated at 11A, ½ HP, 125VAC. These snap action switches are intended to make or break a circuit and will not provide variable or proportional resistance.

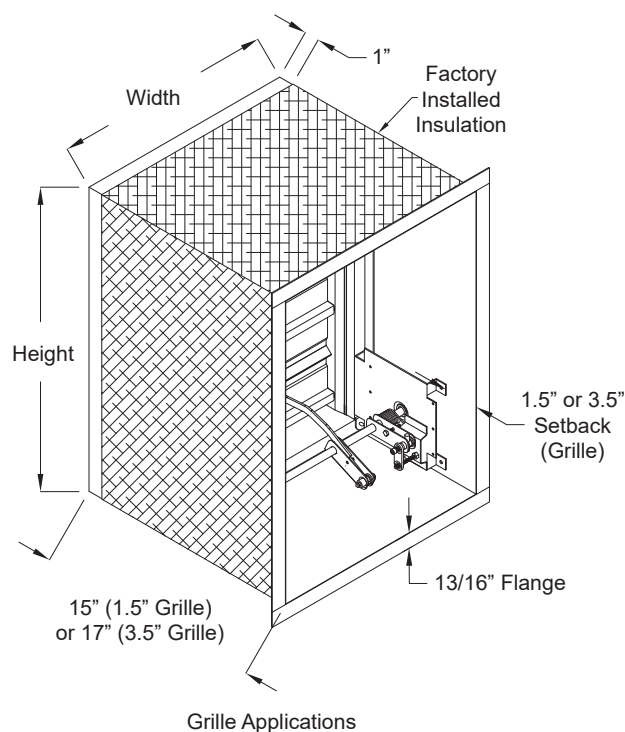
DAMPER SIZES

Orientation	Horz or Vert	2000 fpm, 4 in.wg		4000 fpm, 4 in.wg	
		Horz or Vert	Horz or Vert	Horz or Vert	Horz or Vert
Panels	Min Panel	Max Single Panel	Max Single Panel	Max Single Panel	Max Single Panel
Rectangular	4"W x 4"H (8"W x 8"H frame)	36"W x 42"H	36"W x 42"H	36"W x 42"H	36"W x 42"H
Round	6" dia. (8"W x 8"H frame)	34" dia.	34" dia.	34" dia.	34" dia.
Oval	6"W x 6"H (8"W x 8"H frame)	34"W x 40"H	34"W x 40"H	34"W x 40"H	34"W x 40"H



This fire damper meets the construction and performance requirements of

- Underwriters Laboratories Inc. Standards 555
- National Fire Protection Association Standards 80, 90A, 101
- ICC's International Building Code
- Underwriters Laboratories Inc. Approved for dual direction airflow and dynamic conditions.
- Underwriters Laboratories Inc. Classified for use in fire resistive ratings of less than 3 hours.



In the interest of product development, Louvers & Dampers reserves the right to make changes without notice.

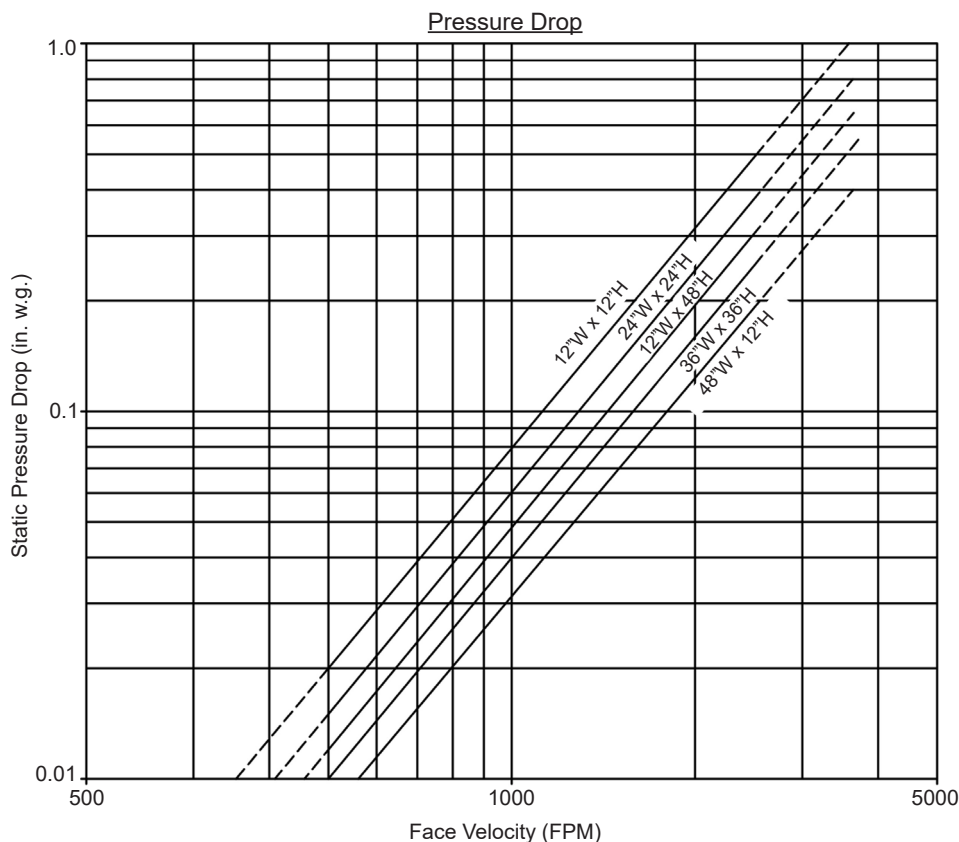
www.louvers-dampers.com

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Louvers **LD** Dampers
 A Mestek Company

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PERFORMANCE DATA



Typical Performance Curve
Tested per AMCA Standard 500-D; Figure 5.3 (In-Duct Mount)
Intake air converted to standard air density.

Item #	Qty	Damper Size	Horizontal	Vertical	165°F	212°F				
			Orientation		Fusible Link					
Arch. / Eng.:					EDR:		ECN:		Job:	
Contractor:										
Project:					Date:		DWN:		DWG:	

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<u>17MD</u>	<u>1</u>	<u>G</u>	<u>2</u>
I	II	III	IV

I. Base Model

MA = Airfoil Blade Fire-Smoke Damper
 MS = Single-Thickness Blade Fire-Smoke Damper
 17MA = Airfoil Blade Fire Damper
 17MD = Single-Thickness Blade Dynamic Fire Damper
 17MS = Single-Thickness Blade Static Fire Damper

II. Leakage Class (Fire-Smoke Dampers Only)

1 = UL Class-I Leakage
 2 = UL Class-II Leakage
 Blank = Leakage Class Not Applicable (Fire Dampers)

III. Installation Configuration

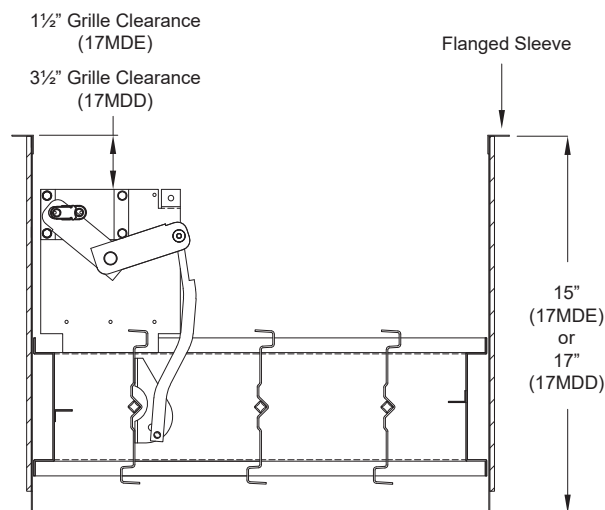
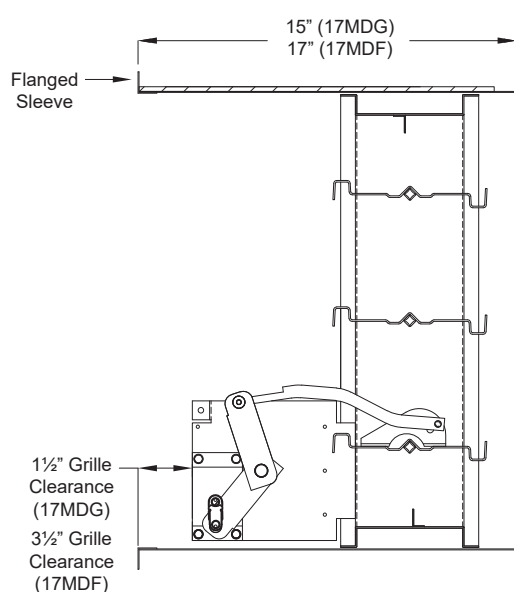
D = Out-of-barrier Horizontal Grille Application, 3½" Grille Clearance
 E = Out-of-barrier Horizontal Grille Application, 1½" Grille Clearance
 F = Out-of-barrier Vertical Grille Application, 3½" Grille Clearance
 G = Out-of-barrier Vertical Grille Application, 1½" Grille Clearance
 J = Out-of-barrier Horizontal, Continuous Duct
 K = Out-of-barrier Vertical, Continuous Duct

IV. Temperature Rating (Fire-Smoke Dampers Only)

2 = 250°F
 3 = 350°F
 Blank = Temperature Rating Not Applicable (Fire Dampers)

NOTE

- All Installations must be in accordance with SI-FAGM and SI-FACD
- Horizontal installations are only approved for masonry/concrete.

GRILLE ACCESS APPLICATIONS

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CONTINUOUS DUCT APPLICATIONS