

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

**Standard Construction and Materials**

- 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.

**UNDERWRITERS LABORATORIES INC.®**

CLASSIFIED DYNAMIC FIRE DAMPER

FIRE RESISTANCE RATING 1½ HR



FILE # R6462



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.

**Options**

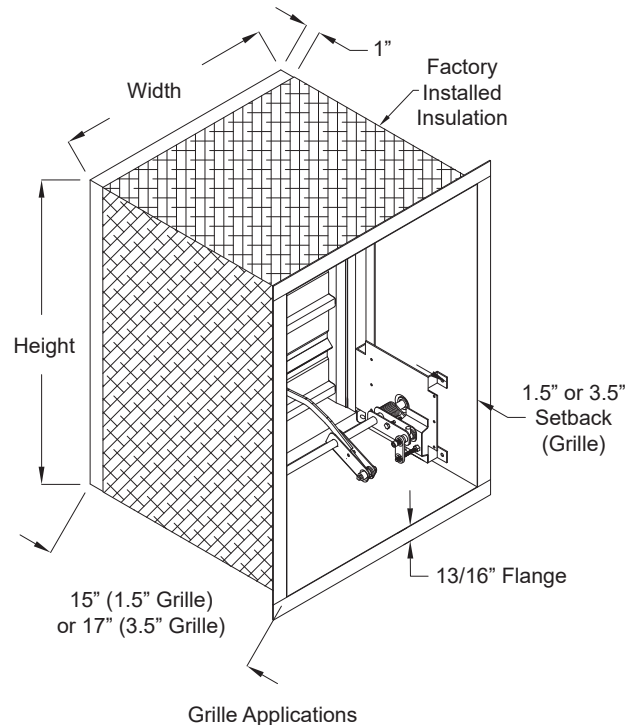
Sleeve of various depths and gauges  
 Round, oval, and square/rectangular transitions  
 212°F fusible link  
 Dual Position Indication Package (see Notes)

**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.

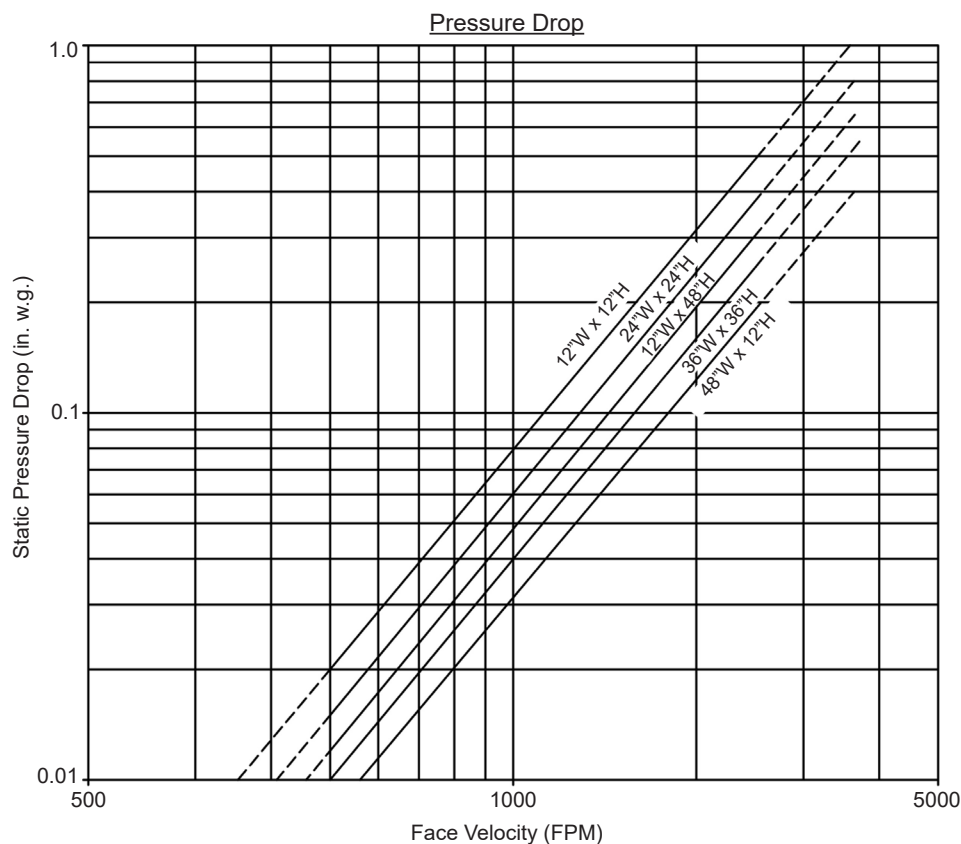
**Damper Sizes**

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	
Rectangular	4"W x 4"H (8"W x 8"H frame)	36"W x 42"H		36"W x 42"H	
Round	6" dia. (8"W x 8"H frame)	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	




In the interest of product development, CESCO Products reserves the right to make changes without notice.

- 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			<u>Union Made</u>		
Arch. / Eng.:					EDR:		ECN:		Job:	
Contractor:										
Project:					Date:		DWN:		DWG:	

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## Installation Configurations

<u>15MD</u>	<u>1</u>	<u>G</u>	<u>2</u>
I	II	III	IV

### I. Base Model

CA = Airfoil Blade Fire-Smoke Damper  
 CG = Single-Thickness Blade Fire-Smoke Damper  
 15MA = Airfoil Blade Fire Damper  
 15MD = Single-Thickness Blade Dynamic Fire Damper  
 15MS = 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

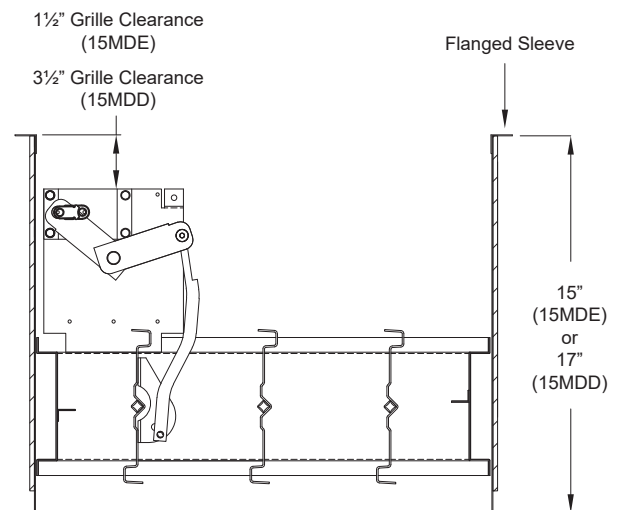
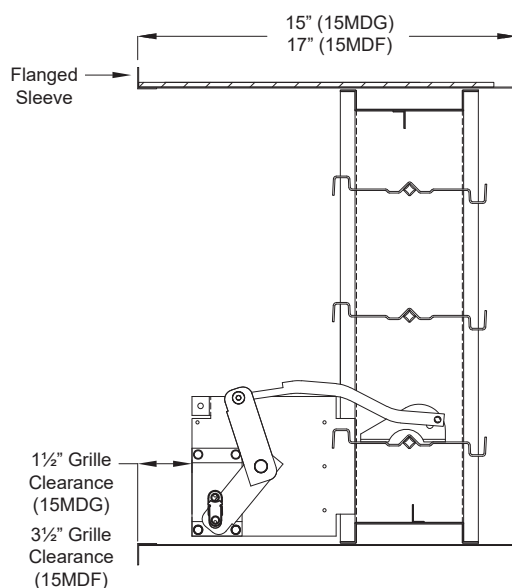
### IV. Temperature Rating (Fire-Smoke Dampers Only)

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

