Standard Construction and Materials

FRAME: 5½" x 16 GA. galvanized steel hat channel.

BLADES: 20 GA. double-skinned galvanized steel (equal to 14 GA.),

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).

ACTUATOR: Non-motorized spring closure mechanism with 165°F

fusible link, internally mounted.

FINISH: Mill.

Options

Sleeve of various depths and gauges

Round or oval transitions

212°F fusible link

Dual Position Indication Package (see Notes)

Notes

- 1. Nominal deductions will be made to the opening size given.
- 2. Approved for vertical and horizontal installations.
- 3. 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

	2000 fpm, 4 in.wg	4000 fpm, 4 in.wg		
Hor and Vert	Horz and Vert	Horz and Vert		
Min Panel	Max Single Panel	Max Single Panel		
4"W x 4"H (8"W x 8"H frame)	32"W x 42"H	32"W x 36"H		
6" dia. (8"W x 8"H frame)	30" dia.	30" dia.		
6"W x 6"H (8"W x 8"H frame)	30"W x 40"H	30"W x 34"H		
	Min Panel 4"W x 4"H (8"W x 8"H frame) 6" dia. (8"W x 8"H frame) 6"W x 6"H	Hor and Vert Horz and Vert Min Panel Max Single Panel 4"W x 4"H (8"W x 8"H frame) 32"W x 42"H 6" dia. (8"W x 8"H frame) 30" dia.		

UNDERWRITERS LABORATORIES INC.®

CLASSIFIED DYNAMIC FIRE DAMPER

FIRE RESISTANCE RATING 11/2 HR

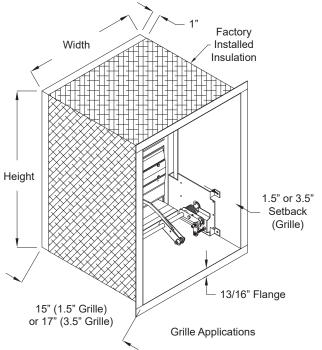


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(J)

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.



	Item #	Otv	Damper Size	Horizontal	Vertical	165°F	212°F				
		Qty		Orientation		Fusible Link					<u>Union Made</u>
	Arch. / Eng.: Contractor:					EDR:		ECN:		Job:	
L											
	Р	roject:			•	Date:		DWN:		DWG:	

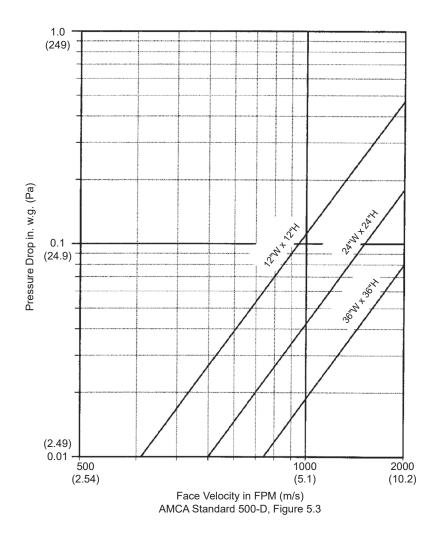
In the interest of product development, Cesco Products reserves the right to make changes without notice.



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Performance Data

The pressure drop data shown below is based on laboratory conditions. The test setup does not take into account elbows or other duct fittings that are part of every actual duct system. The configuration of the actual duct system immediately upstream and downstream of the damper often contributes more pressure loss that the damper itself.



Installation Configurations

15MA 1 G 2

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, 31/2" 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, 11/2" 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

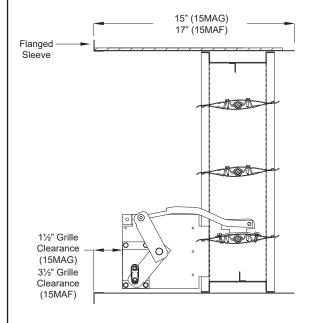
 $3 = 350^{\circ}F$

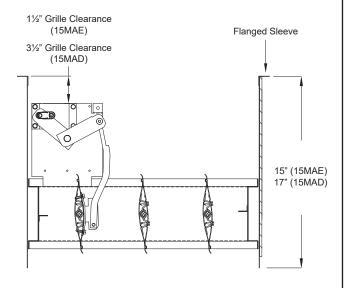
Blank = Temperature Rating Not Applicable (Fire Dampers)

NOTE

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

Grille Access Applications





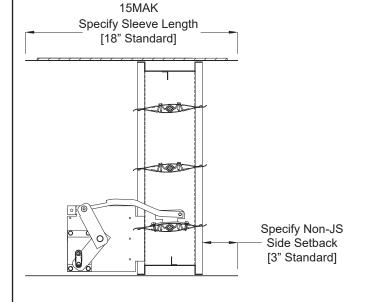


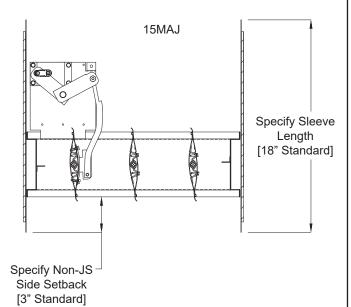
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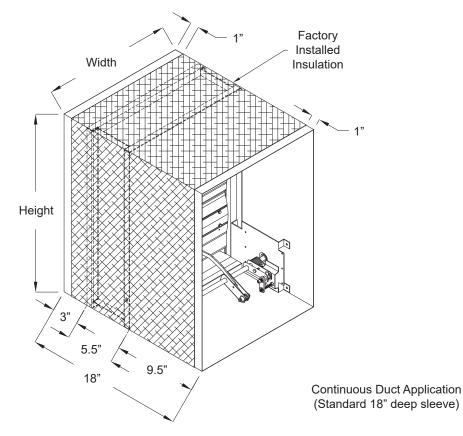
NOTE

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

Continuous Duct Applications









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