MODEL MD19 **Dynamic Fire Damper** ▲ 11/2 Hr. Rated ▲ Horizontal and Vertical Mount ▲ Non-Motorized ▲ Galvanized Steel

STANDARD MATERIALS AND CONSTRUCTION

FRAME: 5½" 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.

FINISH: Mill.

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

fusible link.

OPTIONS

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

- 1. Width and Height are opening dimensions. Dampers are provided $\frac{1}{4}$ " 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, 1/3 HP, 125VAC. These snap action switches are intended to make or break a circuit and will not provide variable or proportional resistance.

UNDERWRITERS LABORATORIES INC.®

CLASSIFIED DYNAMIC FIRE DAMPER

FIRE RESISTANCE RATING 11/2 HR



FILE # R4708

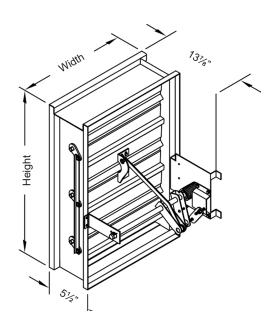


This fire damper meets the construction and performance requirements of

- 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.

DAMPER SIZES

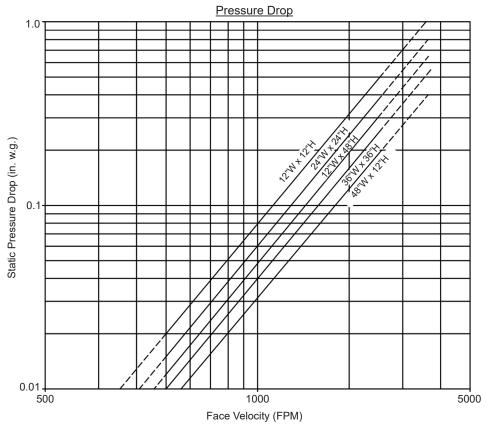
DAMI ER SIZES			4000 fpm, 4 in.wg			
Orientation	Hor & Vert	Horizonta	al (floor)	Vertica	Hor & Vert	
Panels	Min Panel	Max Single Panel	Max Assy Panel	Max Single Panel	Max Assy Panel	Max Single Panel
Rectangular	4"W x 4"H (8"W x 8"H frame)	36"W x 48"H	72"W x 48"H	36"W x 48"H	72"W x 60"H 126"W x 48"H	36"W x 48"H
Round	6" dia. (8"W x 8"H frame)	34" dia.	46" dia.	34" dia.	58" dia.	34" dia.
Oval	6"W x 6"H (8"W x 8"H frame)	34"W x 46"H	70"W x 46"H	34"W x 46"H	70"W x 58"H 124"W x 46"H	34"W x 46"H





Dynamic Fire Damper ▲ 1½ Hr. Rated ▲ Horizontal and Vertical Mount ▲ Non-Motorized ▲ Galvanized Steel

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				00
			Orientation		Fusible Link				<u>Union Made</u>	
Arch. / Eng.:					EDR:		ECN:		Job:	
Contractor:										
Project:					Date:		DWN:		OWG:	

