Class II • 250°F • 11/2 Hr Fire/Smoke Damper / 1 Hr Tunnel-Type Corridor Ceiling Damper

STANDARD CONSTRUCTION

FRAME: 51/2" x 1/8" x 16-GA galvanized steel hat channel

BLADES: 16-GA galvanized steel; parallel action

AXLES: Plated Solid Steel Stub BEARINGS: Oil impregnated bronze

LINKAGE: Plated steel angle and crank plates with stainless steel

pivots, in-jamb type

STOPS: 20-GA galvanized steel at head and sill

BLADE SEALS: Silicone JAMB SEALS: Stainless steel

SLEEVE: 20-GA unflanged; 16" deep

CAULKING: UL approved

ACTUATOR: Electric with heat response device (EHRD); factory-installed

for Power-Open/Spring-Close (fail close) operation; Internal left hand mounted as viewed for jackshaft side of damper;

dampers ≤ 13" high external left hand mounted

FINISH: Mill

OPTIONS

Sleeve of various depths and gauges with 3/4" flange on bottom side

Round or oval transitions (top and bottom for unflanged sleeves; top only for flanged sleeves)

212°F fusible link

Perimeter mounting angles

External mounted actuator

Sensotherm re-openable heat response device (ESOT) for electric actuator

NOTES

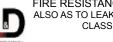
- 1. "A" width and "B" height are opening dimensions. Dampers are provided approximately 1/4" undersize.
- 2. When used as a 11/2 hour Fire/Smoke Damper it is approved to be mounted either vertically (wall or partitions) or horizontally (floors).

DAMPER SIZE

Orientation	Horizontal (floor) or Vertical (wall)				
Panels	Minimum Panel	Maximum Panel	Max Assy Panel		
Rectangular	6"W x 6"H (8"W x 8"H frame)	24"W x 24"H	n/a		
Round	6" dia. (8"W x 8"H frame)	22" dia.	n/a		
Oval	6"W x 6"H (8"W x 8"H frame)	22"W x 22"H	n/a		

UNDERWRITERS LABORATORIES INC.®

CLASSIFIED CORRIDOR DAMPER



FIRE RESISTANCE RATING 1 HR ALSO AS TO LEAKAGE RESISTANCE CLASS II 250°F

FILE #R16591



UNDERWRITERS LABORATORIES INC.®

CLASSIFIED FIRE AND SMOKE DAMPER



FIRE RESISTANCE RATING 11/2 HR LEAKAGE RESISTANCE CLASS II

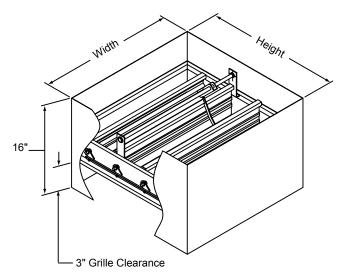
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This fire/smoke damper meets the construction and performance requirements of

- · Underwriters Laboratories Inc. Standards 555 and 555S
- National Fire Protection Association Standards 80 and 90A
- · ICC's International Building Code
- California State Fire Marshal Listing #3226-1328:116
- · 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.
- Underwriters Laboratories Inc. Classified for use in smoke control systems for Leakage Class II and 250°F.
- Actuators must be arranged to operate automatically, must fail closed upon loss of power, and must be controlled by a smoke detection system.







Class II • 250°F • 11/2 Hr Fire/Smoke Damper / 1 Hr Tunnel-Type Corridor Ceiling Damper

Operations Rating:

Maximum Differential Pressure: 4 in.wg Maximum Face Velocity: 2000 fpm

Leakage Rating:

UL Class II

10 cfm per sq.ft. maximum @ 1 in.wg 20 cfm per sq.ft. maximum @ 4 in.wg

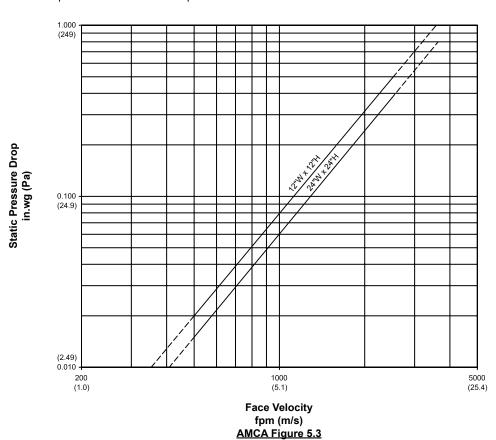
Sound Ratings:

The Noise Criterion data below was tested in accordance with ASTM E477.99 in the center octave band.

Noise Criterion (NC)							
Damper	Velocity (fpm)						
Size	1000	2000	3000	4000			
12"W x 12"H	31	53	64	71			
24"W x 24"H	33	54	65	n/a			

Pressure Drop Ratings:

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 than the damper itself.



This product was tested in accordance to AMCA Standard 500D.



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