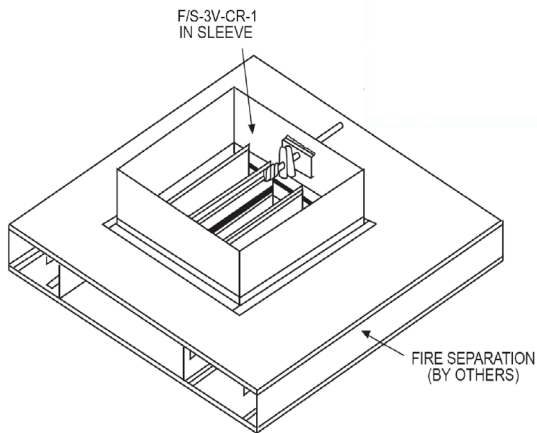




## Model F/S-3V-CR-I Combo Fire/Smoke Corridor Damper

UL 555 Classified 1 hour / UL 555S Classified Class I



### Options

- Factory sleeves (20 Ga minimum, 16" min length) 16" X 20 ga. side plate provided if no sleeve is indicated
- Retaining Angles
  - One Side
  - Both Sides
- Transitions
  - Round or Oval
- Actuator
  - Electric or Pneumatic, 25 psi
- Smoke Detector
  - Ionization or Photoelectric
- DTO/RE w/ MS Package
- Micro-Switch Package
- RCB-1, -2, -3, -4

### Manufacturers Recommendations

It is recommended the damper must be inspected and cycled at intervals not greater than every twelve months or in accordance with NFPA 80, 90A, 92A, local codes and the actuator manufacturer.

### Application

- The F/S-3V-CR-I series Corridor Fire/Smoke Dampers have been designed and tested to exceed all UL, and N.F.P.A. requirements for fire dampers as well as smoke dampers.
- F/S-3V-CR-I is UL 555 Classified and labeled as a fire damper.
- UL Classified for horizontal mountings.
- UL 555S Classified and labeled as a Leakage Class I rated Smoke Damper with airflow in both directions. Class I provides for a maximum leakage of 8 cfm per sq. ft. at 4.0 inches static pressure.
- UL 555S Classified at 250 °f or 350 °f depending upon motor/operator \*see motor/operator schedule

### Standard Construction

- Frame: Roll-formed galvanized steel hat-section with staked corners with integral bracing.
- Blades: 16ga. Roll-formed galvanized steel.
  - Minimum width: 4.250" (108mm)
  - Maximum width: 7.250" (184mm)
- Bearings: Bronze Oilite, press-fit into frame.
- Axles: Square, plated steel.
- Seals: Pressure sensitive 450° F silicone blade edge seals and flexible metal jamb seals.
- Linkage: Concealed in frame. Linkage bars are .125 (3.2mm) thick plate steel .
- Controlled Closure Devices: (Heat Activated)
  - EFL - 165° F Standard, 212°, 250°, 350° F available
  - PFL - 165° F Standard, 212° F available
- Sleeve: 16" (406mm) X 20 Ga, Std. Others available
- Finish: Mill galvanized.
- Maximum Velocity: 2000 fpm (10.2 m/s) on all sizes
- Maximum Pressure: 4" wg (1kPa)
- Sleeved dampers are furnished approximately same size as given duct dimension, unless otherwise noted.

**Min. Size** 8" w x 6" h (203mm x 152mm)

**Max. Size** 24" w x 24" h (610mm x 610mm)

### Suggested Specification

Corridor Fire/Smoke Dampers shall be Model: F/S-3V-CR-I, by Metropolitan Air Technology. Corridor Dampers shall bear the Underwriters' Laboratories label for "Corridor Damper" and have a minimum 1 hour fire rating and a minimum Class I leakage rating with a maximum leakage not exceed 8 cfm per sq. ft. at 4.0 inches static pressure for any size. Linkage shall be of the concealed type for maximum free area.

Due to continuing research, MAT reserves the right to change specifications without notice.

### F/S-3V-CR-I (1 hour)

Represented by:

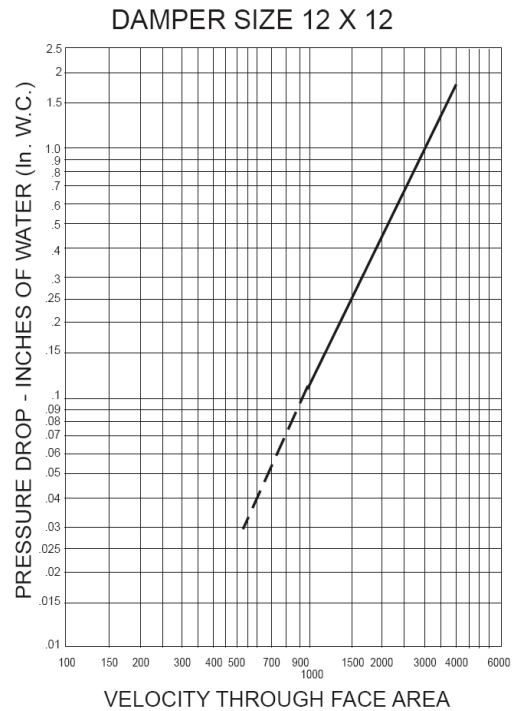
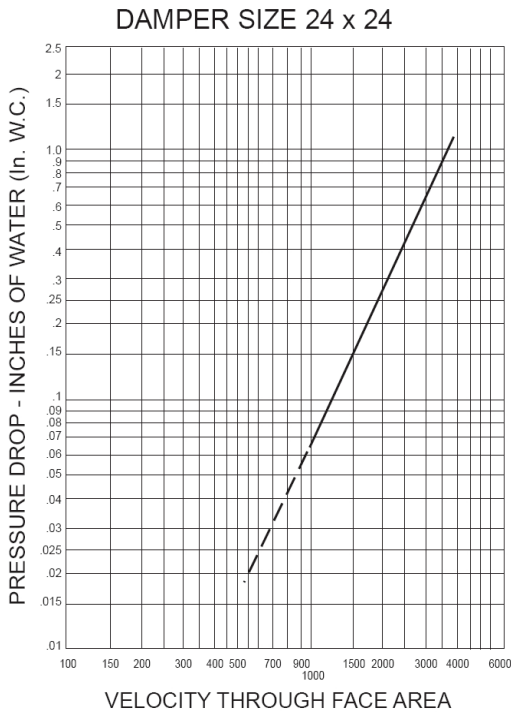
6235 South Oak Park Avenue Chicago, IL 60638 USA  
Toll free: 800.585.7686 +1.708.552.4040  
Fax: +1.708.594.0396 www.metairtech.com



## Model F/S-3V-CR-I Combo Fire/Smoke Corridor Damper UL 555S Classified Class I Leakage

### Performance Data

Pressure drop testing was done by an independent laboratory to AMCA Standard 500-D, Fig. 5.3 ductwork upstream & downstream.



### Suggested Specification

Corridor Dampers shall be Model FS-3V-CR-I by United Enertech Manufacturing. Corridor Dampers shall bear the Underwriters' Laboratories label for "Corridor" dampers and have a minimum 1 hour fire rating and a minimum Class I leakage rating with a maximum leakage of 8.0 cfm per sq. ft. at 4.0 inches static pressure for any size. Linkage shall be of the concealed type for maximum free area.

- The FS-3V-CR-I series Corridor Dampers have been designed and tested to exceed all U.L., N.F.P.A., U.B.C., and City of Los Angeles requirements for corridor dampers installed in tunnel corridor ceiling constructions.
- U.L. 555 listed and labelled as a 1 hour fire damper.