

MODEL F/S-3V-CR-I

Combination Fire/Smoke Corridor Damper

UL 555 Classified 1 hour / U.L. 555S Classified Class I

UL File No.
R25410

Standard Construction:

Frame: Roll formed galvanized steel hat-section with staked corners and integral bracing.
Blades: 16 ga. Roll-formed galvanized steel.
Minimum width: 4.25" (108mm)
Maximum width: 7.25" (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" (3.2 mm) thick plated steel.
Sleeve: Galvanized, wrapped in thermal blanket. (Vert. Typ. 3 sides) 20 Ga., 16" std.
Controlled Closure Device: (Heat Activated)
EFL - 165°F Standard, 212°F, 250°F, 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" w.g. (1kPa)

Sizes:

Minimum Size: 8"w x 6"h (203mm x 152mm)
Max Size: 24"w x 24"h (610mm x 610mm)

Features:

- The F/S-3V-CR-I series corridor Fire/Smoke Dampers have been designed and tested to exceed all UL, ULC, and NFPA requirements for fire dampers as well as smoke dampers.
- F/S-3V-CR-I is UL 555 and ULC S112 listed and labeled as an fire damper.
- UL listed for horizontal mountings.
- UL 555S listed 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/sq ft at 4.0" static pressure.

Note:

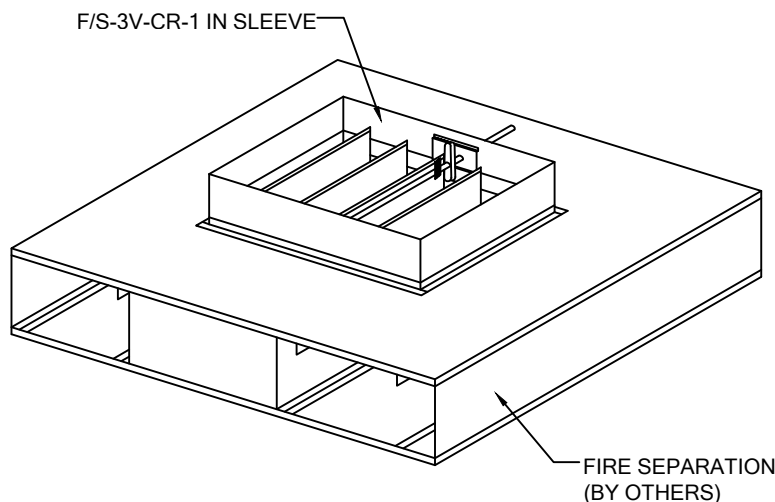
sleeved dampers are furnished approx. same size as given duct dimension, unless otherwise noted.

Suggested Specifications:

Corridor Fire/Smoke Dampers shall be model: F/S-3V-CR-I, by S&P. 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 to 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.

Note: Due to continuing research, S&P reserves the right to change specifications without notice.

U.L. 555S Classified at 250°F or 350°F depending upon Actuator/Operator
*See Actuator/Operator Schedule



Options:

- ☐ Factory sleeves _____ Ga. (20 Ga. minimum). Length _____ inches (min. 16").
- ☐ Retaining Angles
 - ☐ One Side
- ☐ Smoke Detector
 - ☐ Ionization
 - ☐ Photoelectric
- ☐ Transitions
 - ☐ Round
 - ☐ Oval
- ☐ DTO/RE w/ M/S Package
 - ☐ Micro-Switch Package
 - ☐ M/S Blade Mounted end switch
 - ☐ Built in Actuator position End Switch
 - ☐ RCB-1, -2, -3
- ☐ Actuator
 - ☐ Electric, _____ vac (Voltage)
 - ☐ Pneumatic, 25 psi

Job Name:	 ☐ MODEL F/S-3V-CR-I (1 hour)		
Location:			
Architect:			
Engineer:	DRAWN BY: MAB	DATE: 11-13-07	REV. DATE: 4-29-26
Contractor:	REV. NO. 5	APPROVED BY:	DWG. NO.: P-54



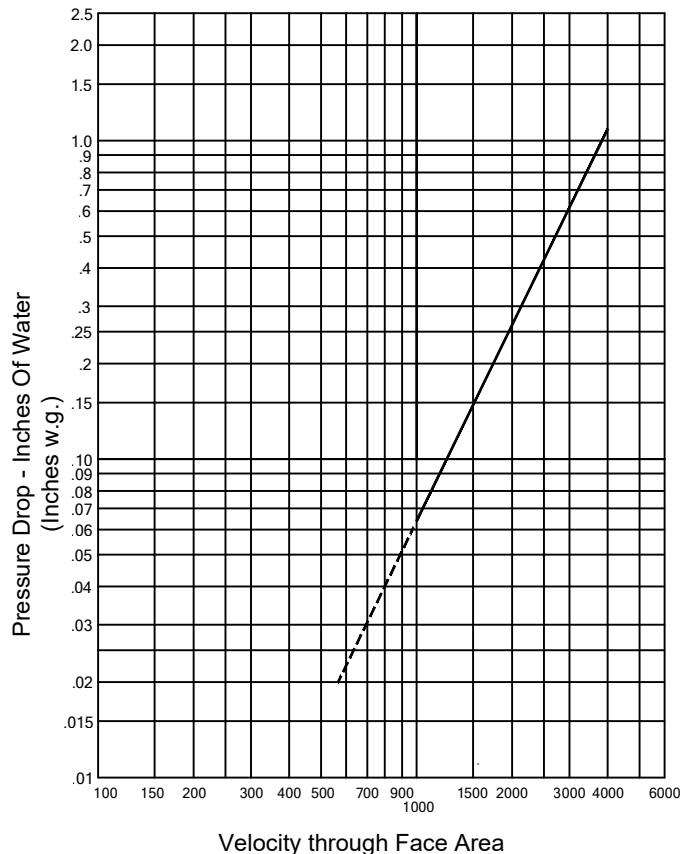
MODEL F/S-3V-CR-I CORRIDOR DAMPER

UL 555 CLASSIFIED 1 HOUR
UL 555S CLASSIFIED CLASS I LEAKAGE

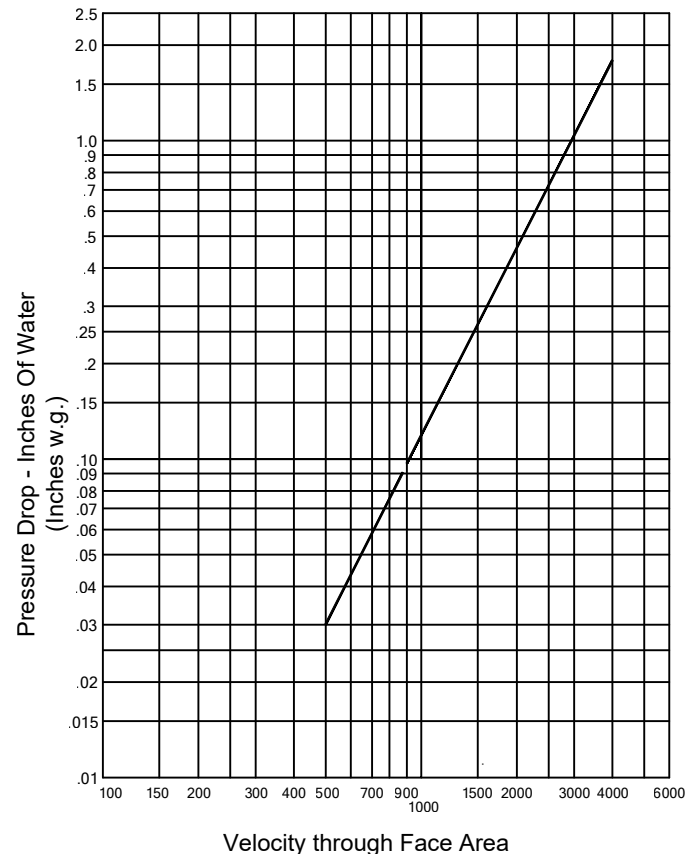
Pressure drop testing was done by an independent laboratory, ductwork upstream and downstream.

PERFORMANCE DATA

Damper Size 24 x 24



Damper Size 12 x 12



Suggested Specification

Corridor Dampers shall be model F/S-3v-cr-I by S&P 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 F/S-3V-CR-1 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 labeled as a 1 hour fire damper.