

MODEL F/S-3V-CR-II

Combination Fire/Smoke Corridor Damper

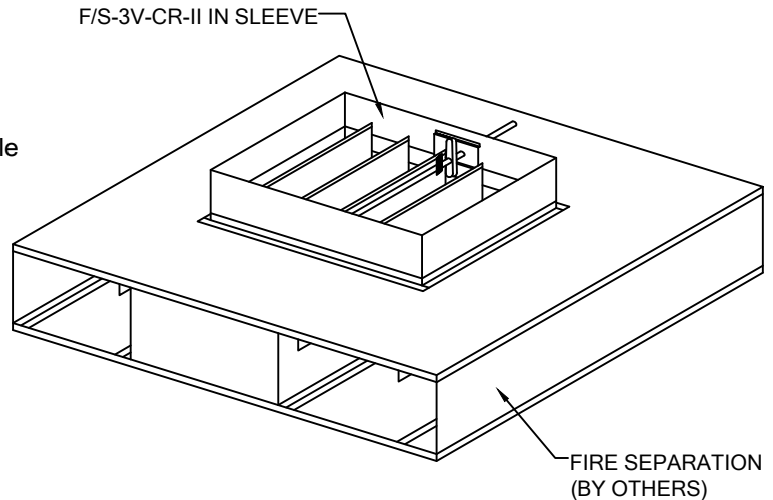
UL 555 Classified 1 hour / U.L 555S Classified Class II

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
 Finish: Mill galvanized.
 Maximum Velocity: 2000 fpm (10.2 m/s) on all sizes.
 Maximum Pressure: 4" w.g. (1kPa)

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

**Sizes:**

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

Features:

- The F/S-3V-CR-II 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-II is UL 555 and ULC S112 listed
- UL listed for both horizontal and vertical mountings.
- UL 555S listed and labeled as a leakage class II rated smoke damper with airflow in both directions. Class II provides for a maximum leakage of 20 cfm/sq ft at 4.0" static pressure.

Note:

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

Options:

- ☐ Factory sleeves _____ Ga. (20 Ga. minimum). Length _____ inches (min. 16").
- ☐ Retaining Angles
 - ☐ One Side
- ☐ Transitions
 - ☐ Round
 - ☐ Oval
- ☐ Actuator
 - ☐ Electric, _____ vac (Voltage)
 - ☐ Pneumatic, 25 psi
- ☐ Smoke Detector
 - ☐ Ionization
 - ☐ Photoelectric
- ☐ 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

Suggested Specifications:

Corridor Fire/Smoke Dampers shall be model: F/S-3V-CR-II, by S&P. Corridor Dampers shall bear the the Underwriters' Laboratories label for "Corridor Damper" and have a minimum 1 hour fire rating and a minimum Class II leakage rating with a maximum leakage not to exceed 20 CFM per sq. ft. at 4.0 inches static pressure for any size. Linkage shall be of the concealed type for maximum free area.

Job Name:	 ☐ MODEL F/S-3V-CR-II (1 hour)		
Location:			
Architect:	DRAWN BY:	DATE:	REV. DATE:
Engineer:	MAB	11-13-07	4-29-26
Contractor:	REV. NO.	APPROVED BY:	DWG. NO.:
	9		P-55



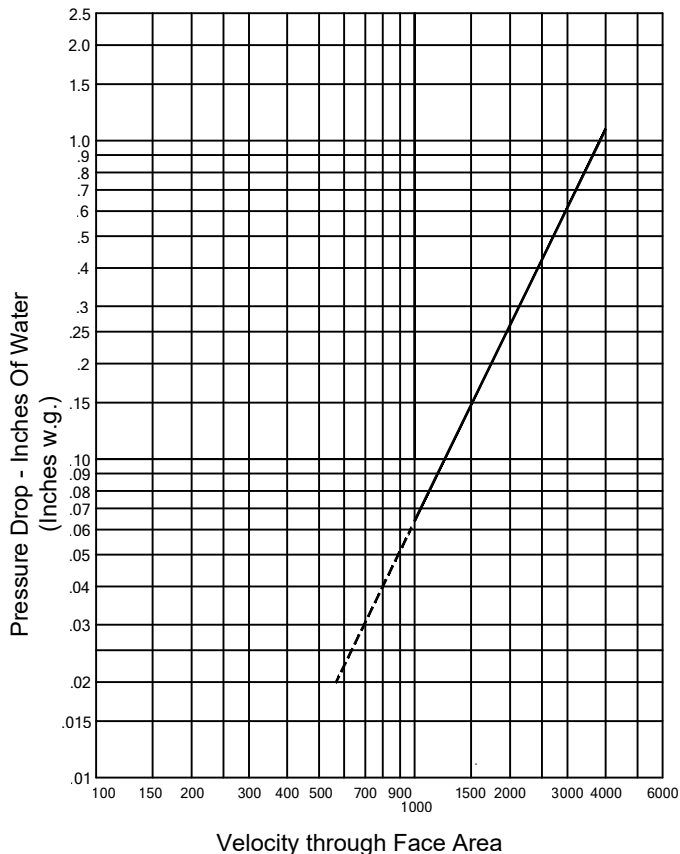
MODEL F/S-3V-CR-II CORRIDOR DAMPER

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

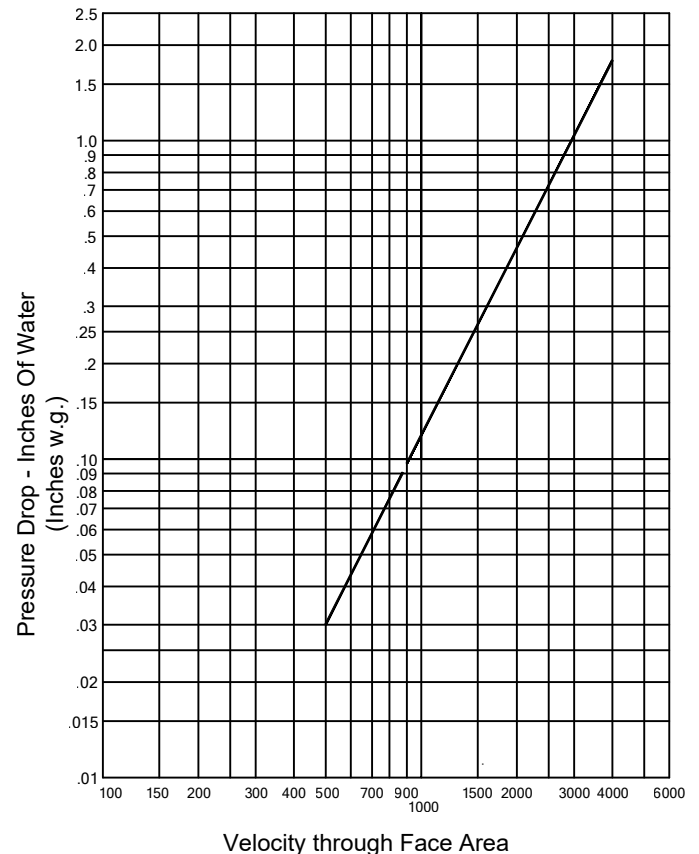
Pressure drop testing was done by an independent laboratory, ductwork upstream and downstream.

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 II leakage rating with a maximum leakage of 20.0 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-II 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.