Reference: Client: Project: Consultant: Location: Contractor: Submitted by: Date:

Optional

Airfoil Galv. Steel

(see Model SSD-AF-FA-201)

Actual

Wide variety of gauges

and lengths available

0.25" (6) thick thermal

blanket 3 sides for vertical

and 4 sides for horizontal

applications

Class 2 (see Model

SSD-3V-FA-202)

The CVS-SAFE4 model SSD-3V-FA-201 is a smoke damper with 3V style blades intended for installation outside the plane of a wall or floor with front (or

transfer. The SSD-3V-FA-201 can be installed vertically (with blades running

Standard

20 Gauge (1) Galv. Roll-

Formed Steel hat section

w/ staked corners for integral bracing

16 Gauge (1.5) "3V" Galv.

Roll-Formed Steel Min. width of 4.25" (108) to

max. width of 7.25" (184)

5" (127)

Actual - 1/4" (6)

Bronze Oilite (press fit into

frame)

Plated Steel

.125" (3.2) plated steel,

Concealed in Frame

16" x 20 gauge (406x1)

galvanized steel

Max. 6 inch. (152.4 mm),

installed inside damper sleeve

to conceal actuator. 350° (177°C)

Class 1

systems up to the allowable tested pressures and velocities below.

MAXIMUM VELOCITY: 2000 fpm (10.2 m/s) on all sizes.

MAXIMUM PRESSURE: 4" wg (1kPa) on all sizes.

Standard Construction:

Frame Material

Blade Material

and Type

Blade Sizes

Frame Depth

Dimensions

Axle Bearings

Axle Material

Linkage

Sleeve

Thermal Blanket

Front Access Panel

Operating Temp.

Leakage Class Rating

grille) access to the actuator. The SSD-3V-FA-201 is used to prevent the spread of smoke through a penetration in a smoke rated barrier made by an HVAC duct or

horizontally) or horizontally. The SSD-3V-FA-201 can be installed in static or dynamic



Model SSD-3V-FA-201

Smoke Damper Front Access Application

3V Blade, Class 1, UL-Classfied (Class I is < 8 cfm per sq. ft. @ 4" w.g.)



SEE COMPLETE MARKING ON PRODUCT

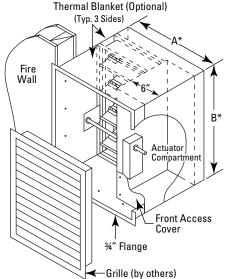


LISTINGS:

UL Listing: R27700(UAE), R41135(KSA), R40068(Qatar), R41122(Egypt)

STANDARDS MET:

NFPA Standards: 80, 90A, 92A, 92B and 101 **Building Code Standard:** ICC International Building Code



*Width [A dimension] and Height [B Dimension] are approximately 1/4" undercut. Sleeved dampers are furnished approximately same size as given duct

dimension plus 0.25" (6) for insulation.

Minimum & Maximum Sizes:

Front Access Damper Model	Minimum Size	Maximum Size
SSD-3V-FA-201	12 x 12	36 x 48
Vertical	(305 x 305) ¹	(914 x 1219)

¹Contact Factory for smaller sizes.

Application:

All dimensions shown in inches, parentheses () indicate millimeters.

Optional Construction:

Auxiliary Switch

Add to Actuator (recommended) Add to Damper (STO/R)

Momentary Test Switch

Factory Sleeve:

Length:_ _ (Std. 16" [406])

Gauge: 20 (1.0) 18 (1.2) 16 (1.5) 14 (2.0) 10 (3.5)

Remote Control Box

RCB-1 RCB-2 RCB-3

Smoke Detector

Factory Mounted Shipped Loose

Actuators (Refer to UL Damper Actuator Reference Chart)

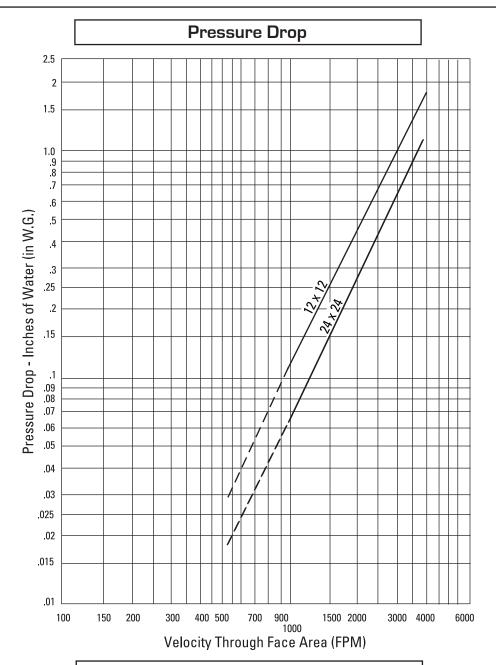
Type: Electric: Model #_ Pneumatic: Model #

Location: Internal (Std.)

As part of our continuous improvement program, we reserve the right to make further improvements without notice.

Submittal

PERFORMANCE DATA - Model SSD-3V-FA-201 - Smoke Damper for Front Access Applications

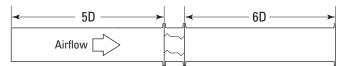


To determine pressure drop:

- 1. Locate the applicable face velocity on the bottom of the chart.
- **2.** Move up the chart to the most appropriate size damper line.
- 3. From the intersection point, move left to determine the pressure drop.

AMCA Figure 5.3 - Ducted Inlet and Outlet

Pressure drop testing was performed by an independent laboratory to the AMCA Standard 500-D, Fig. 5.3 (ductwork upstream and downstream).



Note:

Pressure Drop for both sizes reflect damper face area only, and does not takeinto account the 6" deep actuator compartment.

As part of our continuous improvement program, we reserve the right to make further improvements without notice.

Submittal



ACTUATORS & SLEEVES - Model SSD-3V-FA-201 - Smoke Damper for Front Access Applications

Actuator Requirements:

UL555S requires that all leakage rated dampers be provided with factory mounted actuators. Available actuators vary by dampersize and velocity, pressure and temperature ratings. Consult Motor/ Actuator sheet for UL Products for current offering.

Sleeve Requirements:

Sleeve must be installed at the factory for front access products.

Sleeve length is dependent upon damper height, grille depth (including OBD) and actuator selection:

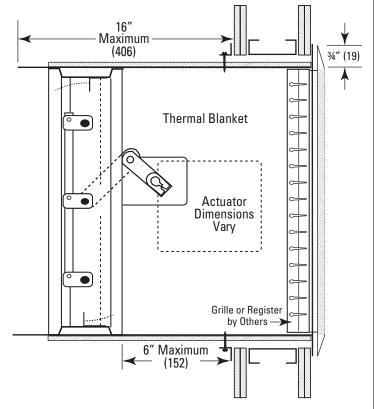
- Standard clearance allowance for grille inset is 3" (76).
- Maximum sleeve length is 16"(406) plus the total wall depth.

Sleeve is provided with a ¾" (19) flange on the actuator end of the sleeve by default. Flange must be on top of barrier in horizontal installations.

Thermal Requirements (Optional):

A factory installed thermal blanket is provided on three sides (bottom excluded) for dampers ordered for vertical installation and on all four sides for dampers ordered for horizontal installation.

Due to the nature of the application for Front Access Smoke dampers, a 0.25" (6) thermal blanket is installed around the sleeve at the factory.



*Thermal Blanket provided 3 sides for Vertical and 4 sides for Horizontal.

