

MODEL F/S-3V-OW-I

Outside Wall Combination Fire/Smoke Damper

UL 555 and ULC S112 Listed for 1-1/2 Hour Rated
UL 555S and ULC S112.1 Listed Class I Leakage

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" (108 mm)
Maximum width: 7.25" (184 mm)
- 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) 16" 20 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)

Sizes:

- Minimum Size:** 12"w x 10"h (Int. Act.) (355mm x 254mm)
6"w x 6"h (ext. Act.) (152mm x 152mm)
- Max. - Single Section:** 36"w x 48"h (914mm x 1219mm)
- Max. - Multi Section:** 42" x 48" (1067mm x 1219mm)

Features:

- The F/S-3V-OW-I series Combination 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-OW-I is UL 555 and ULC S112 listed and labeled as an 1-1/2 hour rated fire damper.
- UL and ULC listed for both vertical and horizontal mountings.
- UL 555S /ULC S112.1 listed and labeled as a leakage Class I rated Smoke Damper with airflow in both directions. Class I provides for a max. leakage of 8 cfm/sq ft at 4.0" wg static pressure.

NOT RECOMMENDED WITH BLADES RUNNING VERTICALLY

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

+Typical 4 sides when mounted horizontally

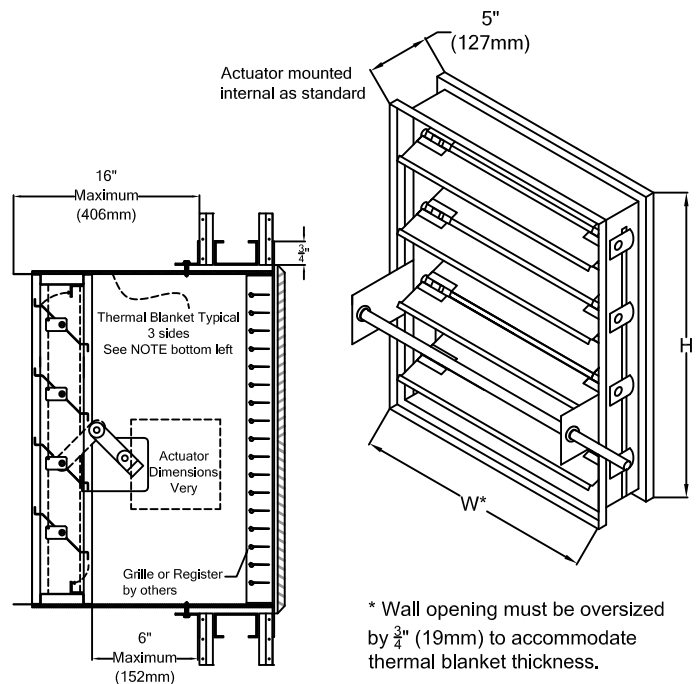
Suggested Specifications:

Combination Fire/Smoke Dampers shall be model: F/S-3V-OW-I, by United Energetech. Fire/Smoke Dampers shall bear the Underwriters Laboratories labels for both Fire Dampers and Smoke Dampers. Each Damper shall be UL/ULC qualified for mounting outside of the plane of the wall to allow for through the grille access to actuators and control. U.L. 555S U.L.C S112.1 rating shall be class I with 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, UE 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



Metal Stud Installation

* Wall opening must be oversized by 3/4" (19mm) to accommodate thermal blanket thickness.

* Face flange shipped loose if external actuator or M/S blade mounted end switch is selected.

Options:

- Factory sleeves _____ Ga. (20 Ga. minimum).
Length _____ inches (min. 16").
(16" x 20 ga side plate provided if no sleeve is indicated, Act. External)
- Retaining Angles
 - One Side
- Smoke Detector
 - Ionization
 - Photoelectric
- Transitions
 - Round
 - Oval
- DTO/RE w/ M/S Package
- M/S Blade Mounted end switch
- Built in Actuator position End Switch Remote Control Boxes
 - RCB-1, -2, -3
- Actuator
 - Electric, _____ vac (Voltage)
 - Pneumatic, 25 psi
- Mounting Orientation
 - Vertical
 - Horizontal

Job Name:	<input type="checkbox"/> MODEL F/S-3V-OW-I (1-1/2 hour)		
Location:			
Architect:			
Engineer:	DRAWN BY: BMR	DATE: 11-13-07	REV. DATE: 03-31-2017
Contractor:	REV. NO. 6	APPROVED BY: SDC	DWG. NO.: P-48