



(ENGINEERS)

SUBMITTAL DATA

MODEL F/S-AF-FA-I

Front Access Combination Fire/Smoke Damper

LOW PRESSURE DROP AIRFOIL BLADE PER AMCA STANDARD 500-D

UL 555 and ULC S112 Listed for 1-1/2

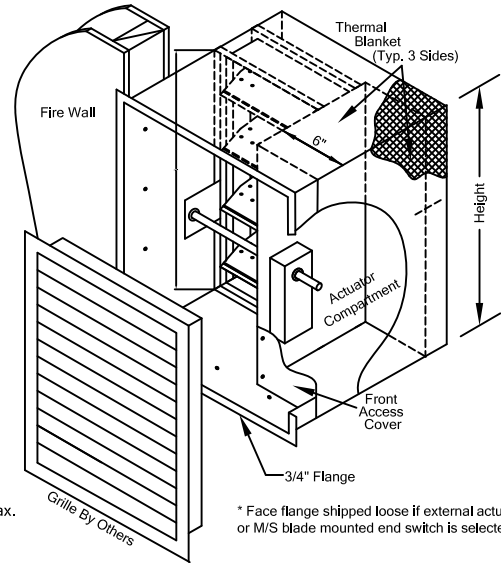
UL 555S and ULC S112.1 Listed Class I Leakage

UL File No.
R25410

Standard Construction:

- Frame:** Rollformed galvanized steel hat-section with staked corners and integral bracing.
- Blades:** Airfoil shaped, double skin galvanized steel of roll-formed construction. Mechanically joined to form construction equiv. to 14 Ga. steel.
Minimum width: 5" (127 mm)
Maximum width: 7" (178 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 0.125" (3.2 mm) thick plated steel.
- 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)
- Consult Factory for Velocities up to 4000 fpm and 6.0" w.g.

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

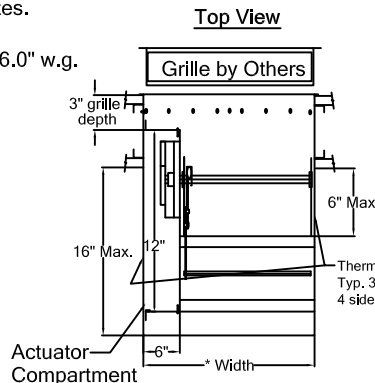


Vertical Mount Only

Sizes:

- Minimum Size: 12"w x 10"h (356mm x 254mm)
- Minimum Size: 42"w x 48"h (1067mm x 1219mm)

- Minimum A/F Width: 8"
- Internal Mount Actuator 10" Min. Height



Features:

- The F/S-AF- FA-I series Combination Fire/Smoke Dampers have been designed and tested to exceed all UL, U.L.C. and N.F.P.A. requirements for fire dampers as well as smoke dampers.
- F/S-AF- FA-I is U.L. 555 and U.L.C S112 listed and labeled as an 1-1/2 hour rated fire damper.
- U.L. and U.L.C. listed for vertical mountings.
- U.L. 555S /U.L.C. S112.1 listed and labeled as a Class I rated Smoke Damper with airflow in both directions. Class II provides for a max. leakage of 8 cfm/sq. ft. at 4.0" w.g. static pressure.

Not recommended with blades running vertical.

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.

Face flange shipped loose if external actuator

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

Options:

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

Suggested Specifications:

Combination Fire/Smoke Dampers shall be model: F/S-AF-FA-I, by United Energetech. Fire/Smoke Dampers shall bear the Underwriters Laboratories labels for both Fire Damper and Smoke dampers. Each damper shall be UL/ULC qualified for mounting outside of the plane of the wall and have concealed actuator access, from grille side, to allow 'through the grille' access to actuators and controls. U.L. 555S rating, shall be class I with leakage not exceed 8 cfm per sq. ft. at 4.0" static pressure for any size. Linkage shall be of concealed type for maximum free area.

Job Name:	<input type="checkbox"/> MODEL F/S-AF-FA-I (1-1/2 hour)		
Location:			
Architect:			
Engineer:	DRAWN BY: MAB	DATE: 11-13-07	REV. DATE: 03-31-2017
Contractor:	REV. NO. 7	APPROVED BY: SDC	DWG. NO.: P-52