



# MODEL S-3V-I

## LOW LEAKAGE SMOKE DAMPER

### U.L. 555S CLASSIFIED / CLASS I

U.L. 555S CLASSIFIED  
AT 250°F OR 350°F  
DEPENDENT UPON  
MOTOR/OPERATOR  
\*SEE MOTOR/OPERATOR SCHEDULE



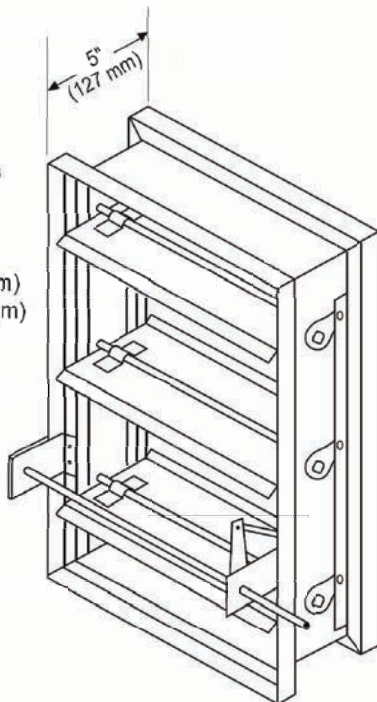
#### Standard Construction:

- Frame:** Roll-formed galvanized steel hat-section with staked corners with integral bracing.
- Blades:** 16 ga. Roll-formed galvanized steel.  
Minimum width: 4.250" (108 mm)  
Maximum width: 7.250" (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.
- Finish:** Mill galvanized.
- Sizes:** Minimum Size: 8"w x 6"h.  
(203 mm x 152 mm)  
Maximum UL Listed Size:  
Single Section: 36"w x 48"h  
(914 mm x 1219 mm)

#### Multiple Assembly:

144"w X 96"h  
(3657mm x 2438mm)

- Notes:**
- Dampers are furnished approximately 1/4" (6.4 mm) smaller than given duct dimensions.
  - Not recommended with blades running vertically.



United Enertech

#### FEATURES

- The S-3V-I series Smoke Dampers have been designed and tested to exceed all U.L., U.L.C. and N.F.P.A. requirements for smoke dampers. These U.L. leakage rated dampers are intended for use in engineered smoke control systems to provide extremely tight shut off.
- U.L. 555S and U.L.C. S112.1 listed and labelled as Leakage Class I rated Smoke Damper with airflow in both directions. Class I provides for a maximum leakage of 8 cfm per sq. ft. at 4 inch static pressure. As we are constantly expanding our U.L./U.L.C. listings, we suggest you contact the factory for further information.
- The S-3V-I damper's rigid frame and integrally braced corners provide true damper alignment that generally resists being installed out of square or out of flat. This insures onsite performance equal to test results.
- The S-3V-I exceeds N.F.P.A. 90A & 92 smoke damper requirements and is recommended for applications that call for tight sealing requirements. The SSD-3V-201 provides excellent control of smoke movement or containment as the smoke management system demands.
- The S-3V-I may be equipped with factory installed electric or pneumatic operators.

#### Suggested Specification

Low Leakage Smoke Control Damper shall be Model: S-3V-I by United Enertech. Both blade edge and jamb seals shall be of the pressure sensitive type for low leakage. Dampers shall be rated for leakage as to U.L. 555S / U.L.C. S112.1 and bear the Underwriters' Laboratories label. Leakage shall not exceed 8 cfm per sq. ft. at 4.0 inches static pressure. Linkage shall be of the concealed type for maximum free area.

#### Manufacturer's Recommendations

All moving parts of the damper must be inspected and cycled at intervals not greater than every six months and in accordance with the latest edition of NFPA 90A, 92A, local codes and the actuator manufacturer. In addition, fuse links shall be removed and inspected for corrosion. Dry lubricants are recommended.

Specifications are correct at time of printing. However, as part of our 'continuous improvement program,' we reserve the right to make further improvements without notice.

Job Name:

Location:

Architect:

Engineer:

Contractor:

☐ **MODEL S-3V-I**

DRAWN BY:

MAY

REV. NO.  
1

DATE:

11-07-07

APPROVED BY:

BGT

REV. DATE:

01-16-08

DWG. NO.:

**C-1**