

## Low Leakage Smoke Damper

### Model

Low Leakage Smoke Damper **SSD-AF-201**

### Features

- The SSD-AF-201 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 low pressure drop (open position) and extremely tight shut-off (closed position).
- 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.
- Streamlined "airfoil" blades to provide low pressure drop and reduced air turbulence for quiet operation.
- The SSD-AF-201 exceeds N.F.P.A. 90A & 92 smoke damper requirements and is recommended for applications that call for tight sealing requirements. The SSD-AF-201 provides excellent control of smoke movement or containment as the smoke management system demands.
- The SSD-AF-201 may be equipped with factory installed electric or pneumatic operators.
- Permitted for vertical and horizontal orientation.

### Standard Construction:

**Frame:** Roll-formed galvanized steel hat-section with staked corners with integral bracing.

**Blades:** Airfoil-shaped, double skin galvanized steel of roll-formed construction. Mechanically joined to form construction equivalent to 14 ga. steel.

Minimum width: 5" (127mm)

Maximum width: 7" (178mm)

**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 12ga. galvanized steel.

**Finish:** Mill galvanized.

**Sizes:** Minimum Size: 8"w x 8"h.  
(203mm x 203mm)

Maximum UL Listed Size:

Single Section:

36"w x 48"h (914mm x 1219mm)

**Multiple Assembly:**

144"w X 96"h (3658mm x 2438mm)

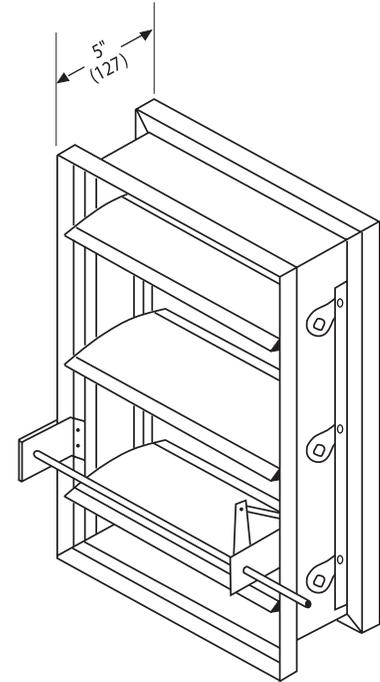
### Notes:

- Dampers are furnished approximately 1/4" (6mm) smaller than given duct dimensions.
- Not recommended with blades running vertically.

### 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.



LISTED AND LABELLED BY:



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

<b>PROJECT:</b>			
<b>ENGINEER:</b>			
<b>CUSTOMER:</b>			Jul / 06
<b>SUBMITTAL DATE:</b>	<b>SPEC. SYMBOL:</b>		245044

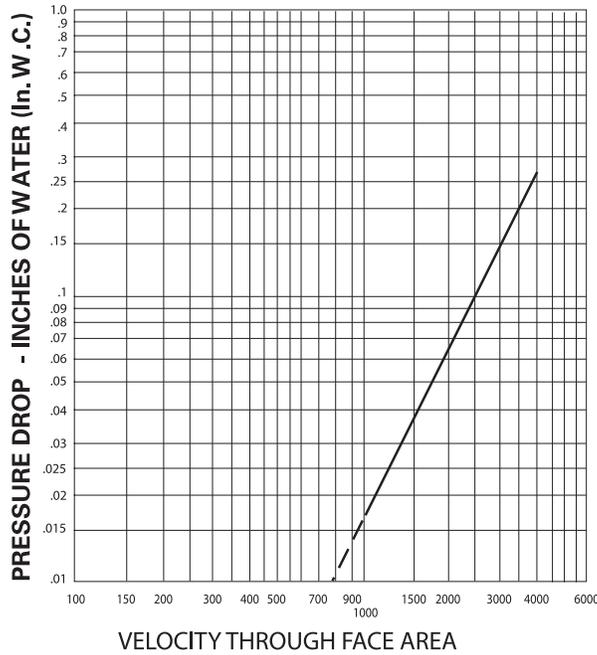
**Model SSD-AF-201**  
**U.L. 555S Classified**  
**Class 1**



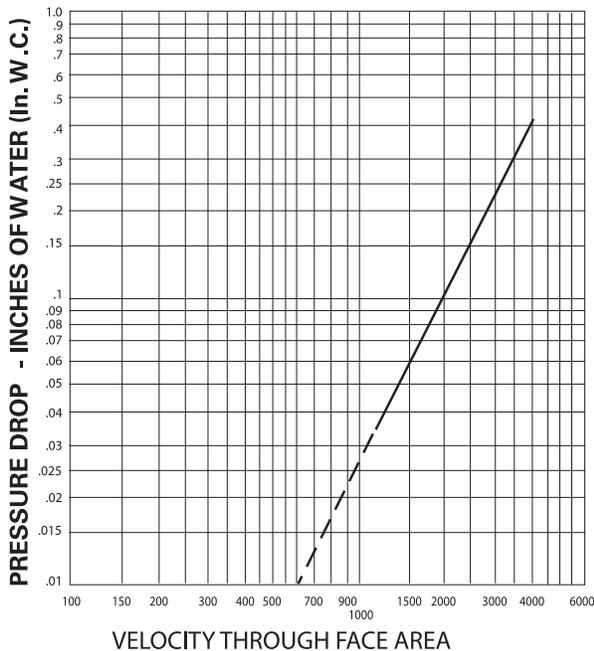
**Low Leakage Smoke Damper**

Pressure drop testing was done by an independent laboratory to AMCA Standard 500-D, Fig. 5.3 ductwork upstream & downstream.

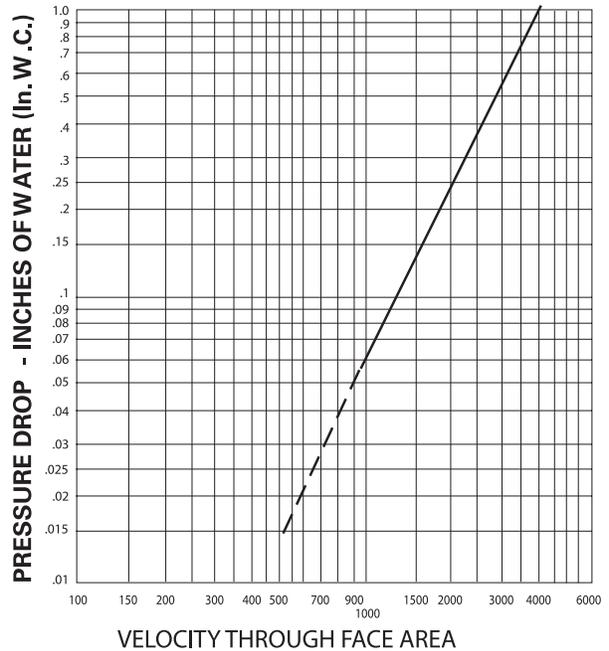
**DAMPER SIZE 36 x 36**



**DAMPER SIZE 24 x 24**



**DAMPER SIZE 12 x 12**



## Low Leakage Smoke Damper

### Model

Low Leakage Smoke Damper

### SSD-AF-202

### Features

- The SSD-AF-202 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 low pressure drop (open position) and extremely tight shut-off (closed position).
- U.L. 555S and U.L.C. S112.1 listed and labelled as Leakage Class II rated Smoke Damper with airflow in both directions. Class II provides for a maximum leakage of 20 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.
- Streamlined "airfoil" blades to provide low pressure drop and reduced air turbulence for quiet operation.
- The SSD-AF-202 exceeds N.F.P.A. 90A & 92 smoke damper requirements and is recommended for applications that call for tight sealing requirements. The SSD-AF-202 provides excellent control of smoke movement or containment as the smoke management system demands.
- The SSD-AF-202 may be equipped with factory installed electric or pneumatic operators.

### Standard Construction:

**Frame:** Roll-formed galvanized steel hat-section with staked corners with integral bracing.

**Blades:** Airfoil-shaped, double skin galvanized steel of roll-formed construction. Mechanically joined to form construction equivalent to 14 ga. steel.

Minimum width: 5" (127mm)

Maximum width: 7" (178mm)

**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 12ga. galvanized steel.

**Finish:** Mill galvanized.

**Sizes:** Minimum Size: 8"w x 8"h.  
(203mm x 203mm)

Maximum UL Listed Size:

Single Section:

36"w x 48"h (914mm x 1219mm)

**Multiple Assembly:**

144"w X 96"h (3658mm x 2438mm)

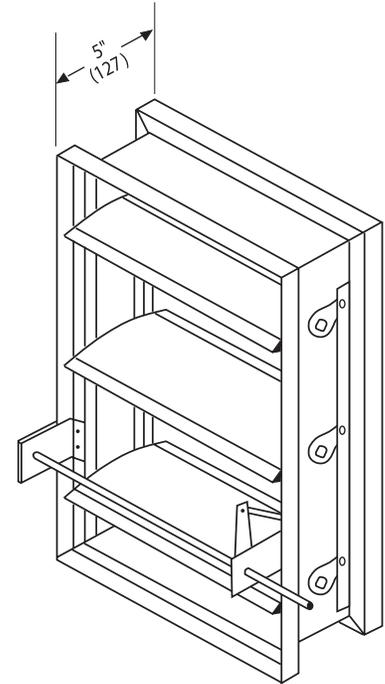
### Notes:

- Dampers are furnished approximately 1/4" (6mm) smaller than given duct dimensions.
- Not recommended with blades running vertically.

### 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.

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

<b>PROJECT:</b>			
<b>ENGINEER:</b>			
<b>CUSTOMER:</b>			Jul / 06
<b>SUBMITTAL DATE:</b>	<b>SPEC. SYMBOL:</b>		245045

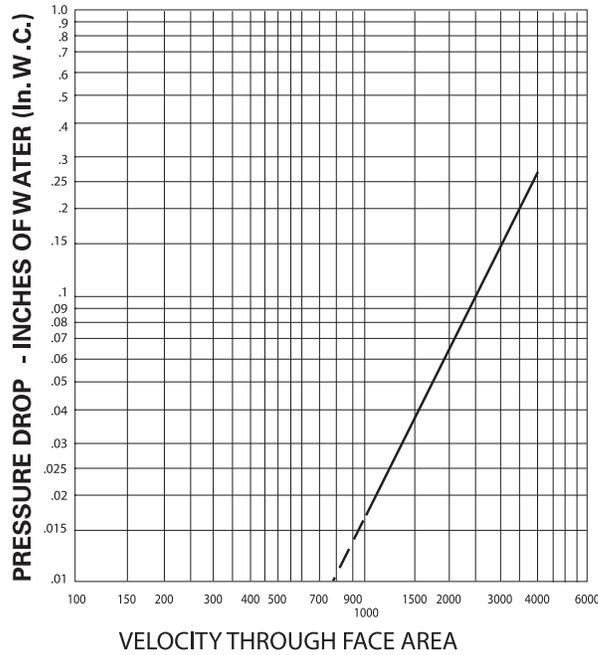
**Model SSD-AF-202**  
**U.L. 555S Classified**  
**Class 2**



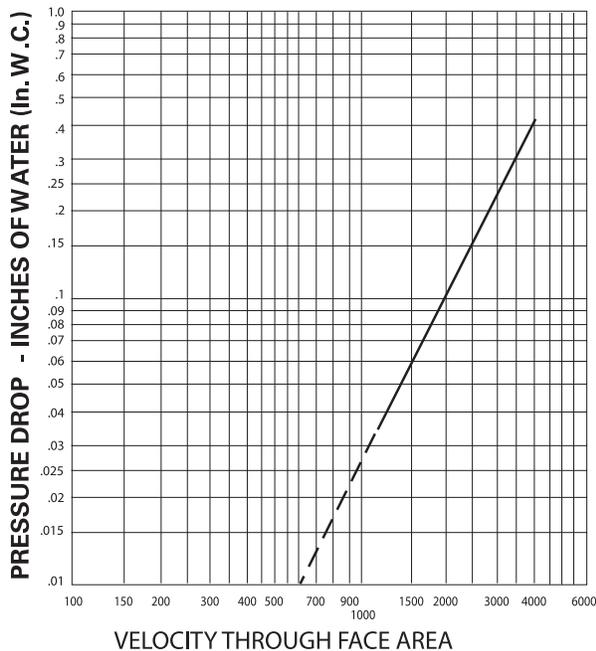
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Pressure drop testing was done by an independent laboratory to AMCA Standard 500-D, Fig. 5.3 ductwork upstream & downstream.

**DAMPER SIZE 36 x 36**



**DAMPER SIZE 24 x 24**



**DAMPER SIZE 12 x 12**

