



**MODEL SSD-AF-201**  
**LOW LEAKAGE SMOKE DAMPER**  
**U.L. 555S CLASSIFIED / CLASS I**  
**LOW PRESSURE DROP: AIRFOIL BLADE PER AMCA 500-D**

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

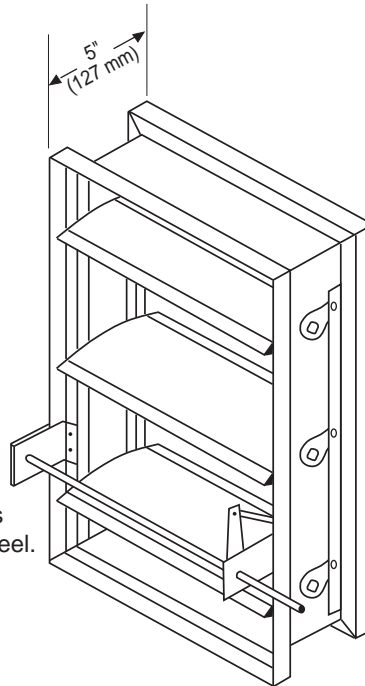


LISTED AND LABELLED BY:



**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" (127 mm)  
Maximum width: 7" (179 mm)
- Bearings:** Bronze Oilite, press-fit into frame.
- Axes:** 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 8"h.  
(203 mm x 203 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.

PATENT APPLIED FOR

**Suggested Specification**

Low Leakage Smoke Control Damper shall be Model: SSD-AF-201 by NCA Manufacturing. Damper blades shall be of streamlined ("airfoil") construction for minimum pressure drop. 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 and U.L.C. S112.1. Pressure Drop data is to be per AMCA 500-D. Leakage shall not exceed 8 cfm per sq. ft. at 4.0" static pressure. Linkage shall be of the concealed type for maximum free area. Dampers shall bear the Underwriters' Laboratories label.

**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.

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Project:

Contractor:

Location:

Address:

Architect:

P.O. Number:

Engineer:

Date:



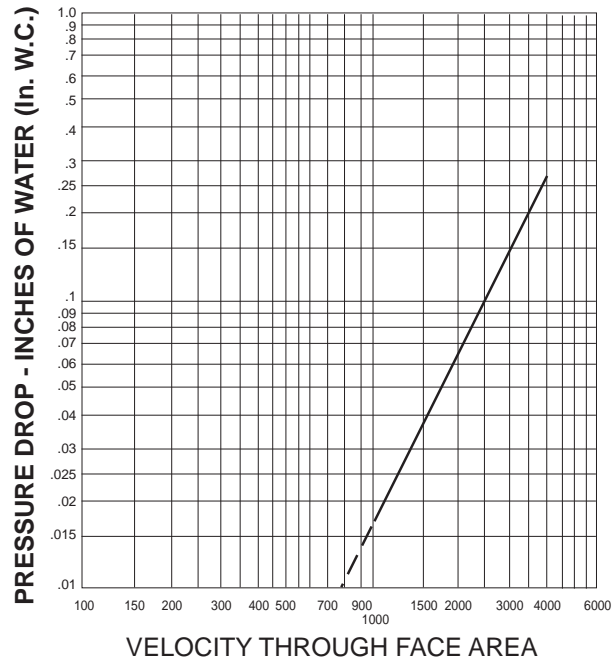
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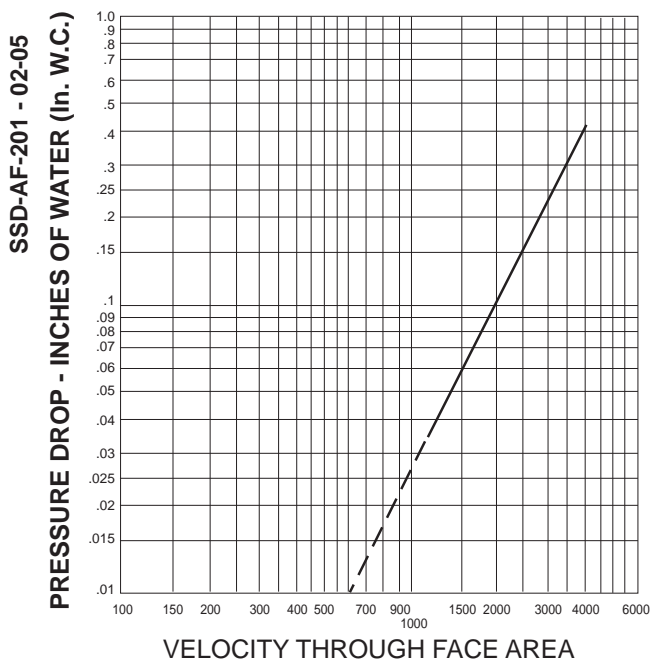
## PERFORMANCE DATA

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

