

# 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 DEPENDING UPON MOTOR/OPERATOR 'SEE MOTOR/OPERATOR SCHEDULE

## **Standard Construction:**

Frame: Roll-formed galvanized steel hat-

section with staked corners with

integral bracing.

Blades: Airfoil-shaped, double skin gal-

vanized 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.

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 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)

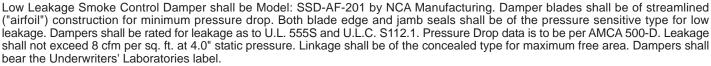
Notes: • Dampers are furnished approximately

1/4" (6.4 mm) smaller than given duct dimensions.

• Not recommended with blades running vertically.

PATENT APPLIED FOR

### **Suggested Specification**



### **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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LISTED AND LABELLED BY:



### **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.

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Engineer:	Date:	
Architect:	P.O. Number:	
Location:	Address:	
Project:	Contractor:	



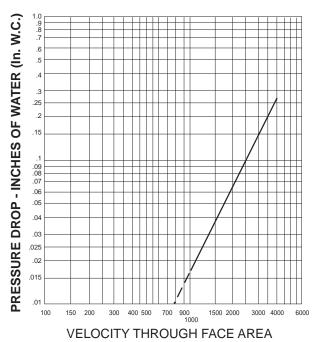
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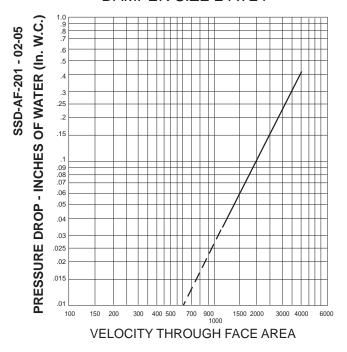
## PERFORMANCE DATA

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

