



**MODEL FD-SB (SINGLE BLADE)  
STATIC FIRE DAMPER  
HIGH FREE AREA / LOW PRESSURE DROP  
U.L. 555 / U.L.C. S112 CLASSIFIED**

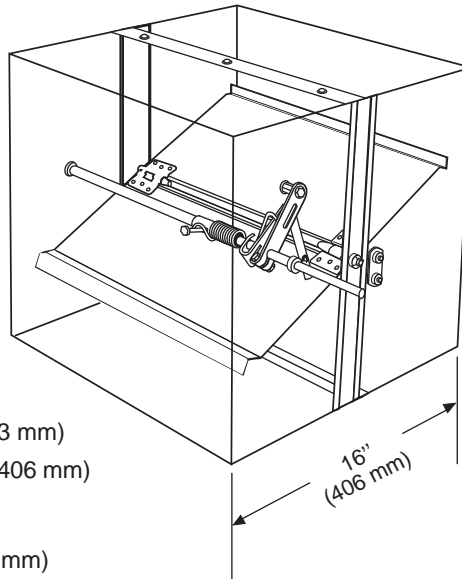
LISTED AND LABELLED BY:



DESIGNED AND TESTED IN ACCORDANCE WITH  
UL-555 AND ULC-S112. MEETS ALL NFPA-90A  
REQUIREMENTS FOR FIRE DAMPERS.

**Standard Construction:**

- Frame:** Roll-formed galvanized steel,  
16" long, (406 mm) 18 gauge.
- Blades:** 16 ga. galvanized  
steel.
- Bearings:** Bronze Oilite press-fit  
into frame.
- Axles:** 3/8" (9.5 mm) square  
plated steel.
- Jackshaft:** 1/2" (12.7 mm)  
diameter plated  
steel.
- Seals:** S.S. Jamb Seals
- Linkage:** Jackshaft to blade.
- Spring:** Stainless steel.
- Finish:** Mill galvanized.
- Minimum Sizes:** 8"w x 8"h (203 mm x 203 mm)
- Maximum Size:** 16"w x 16"h (406 mm x 406 mm)
- Notes:** Dampers are furnished  
approximately 1/8" (3.2 mm)  
smaller than given duct  
dimensions.



**FEATURES**

- The FD-SB series Fire Dampers have been designed and tested to exceed all U.L., U.L.C. and N.F.P.A. requirements for Fire Dampers.
- FD-SB provides maximum free area and minimum pressure drop due to no frame entrainment into the airstream, single blade construction and minimum blade stop.
- The FD-SB may be equipped with factory installed electric or pneumatic operators.
- These Dampers are UL/ULC Approved For Use in Static Systems.

FD-SB - 02-05

**Suggested Specification**

Fire Damper shall be Model: FD-SB by NCA Manufacturing. Damper shall have frame built into sleeve for highest free area and lowest pressure drop. Dampers shall be rated to U.L. 555 / U.L.C. S112 and 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: