RUSKIN®

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S2SS HEAVY DUTY STAINLESS STEEL BACKDRAFT DAMPER

STANDARD CONSTRUCTION

FRAME
2" x 5/8" x 16 gage (51 x 16 x 1.6) 304 stainless steel channel with windstops all around.

BLADES
26 (.6) gage 304 stainless steel blades with bottom break and curled edges. Polyurethane blade seals at top.

AXLES
Full length, 3/16" (4.75) diameter stainless steel.

BEARINGS
Nylon.

LINKAGE
1/8" x 1/2" (3 x 13) stainless steel tie bar. Two tie bars are used when width exceeds 24" (610).

FINISH
Mill.

MINIMUM SIZE
6" w x 6"h (152 x 152).

MAXIMUM SIZE
36"w x 60"h (914 x 1524). Use multiple panels for larger openings.

TEMPERATURE LIMITS
-40°F (-40°C) minimum to +200°F (94°C).

MAXIMUM VELOCITIES
Rear Linkage
System – 1000 fpm
Spot - 1500 fpm
Front Linkage
System – 3000 fpm
Spot – 3500 fpm

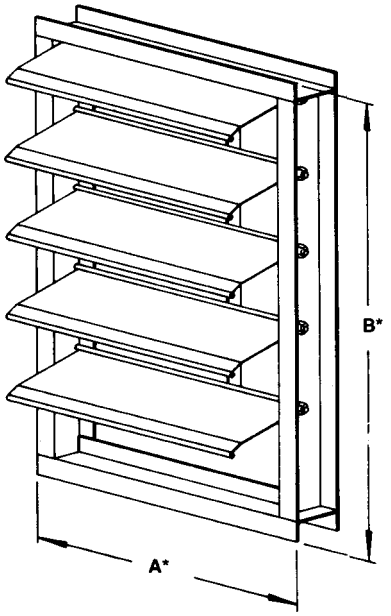
FEATURES

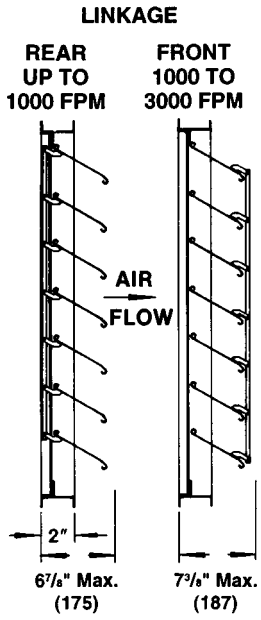
The S2SS offers corrosion resistant, backdraft protection. Units have windstops all around and strong, 26 gage stainless steel blades resting on polyurethane strips for tight seal and quiet operation. Nylon bearings reduce friction and provide smooth, easy operation. Sturdy, all welded frame keeps bearings and full length axles in proper alignment for long unit life.

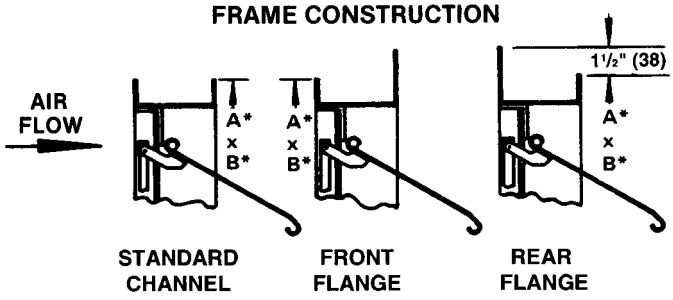
VARIATIONS

Variations to standard design are available at additional cost and include:

- Horizontal mounting
- Bird and insect screens
- Other materials
- Front and rear flange
- Front or rear linkage
- Stainless steel bearings







*Unit is furnished 1/4" (6) smaller than given opening dimensions.

Dimensions shown in parentheses ( ) indicate millimeters.

QTY.	DIMENSIONS		FRAME TYPE	MOUNTING		LINKAGE		VARIATIONS
	A*	B*		HORZ.	VERT.	REAR	FRONT	

JOB **LOCATION**

CONTRACTOR

SUGGESTED SPECIFICATION

Furnish and install, at locations shown on plans or in accordance with schedules, heavy duty backdraft dampers that meet the following minimum construction standards: Frame shall be 16 (1.6) gage 304 stainless steel channel with windstops to reduce back flow all around. Blades shall be 26 (.6) gage 304 stainless steel with formed structural reinforcement on both blade edges and polyurethane edge seals to reduce noise and leakage. Bearings shall be corrosion resistant, long life nylon type for quiet operation. Linkage shall be 1/2" (13) wide stainless steel tiebar connected to stainless steel pivot pins. Dampers shall be designed for maximum 3500 fpm spot velocities and up to 3" w.g. back pressure depending on damper size. Dampers shall be in all respects equivalent to Ruskin model S2SS.

APPLICATION INFORMATION

1. For fan applications damper should not be closer to fan than 1/2 fan diameter.
2. S2SS is designed for applications requiring all stainless steel construction backdraft dampers. Use BD2 and BD6 units when stainless steel construction is not required.