



SSNM-30 Series

Vertical Mount/Horizontal Airflow 304SS Backdraft Damper

Application and Design

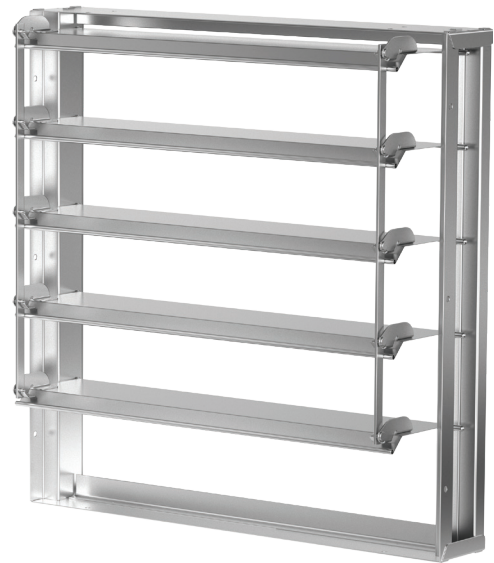
The SSNM-30 series is a vertical mounted backdraft damper that is designed to allow horizontal airflow and prevent reverse airflow. The damper is opened by air pressure differential and closed by gravity.

Ratings (See page 2 for specific limitations)

Pressure: Up to 2 in. wg (0.5 kPa) differential pressure.

Velocity: Up to 2,500 fpm (13 m/s)

Temperature: 180°F (82°C)



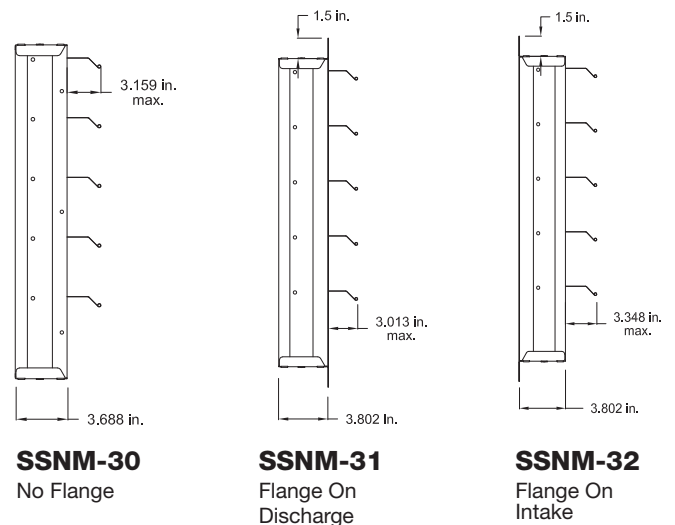
*W & H dimensions furnished approximately 1/8 in. (3mm) under size.

	Standard
Frame Material	304SS
Frame Thickness	18 ga. (1.3mm)
Blade Material	304SS
Blade Thickness	26 ga. (0.47mm)
Axle	3/16 in. (5mm) metallic
Axle Linkage	1/8 x 1/2 in. (3mm x 13mm) 304SS
Bearings	Synthetic (acetal) sleeve type
Blade Seals	TPE

W x H	Minimum Size	Maximum Single Section Size
Inches	6 x 6	24 x 24
mm	152 x 152	610 x 610

Options and Accessories

- 1 1/2 in. (38mm) flange on discharge: SSNM-31
- 1 1/2 in. (38mm) flange on intake: SSNM-32
- Clean wrap



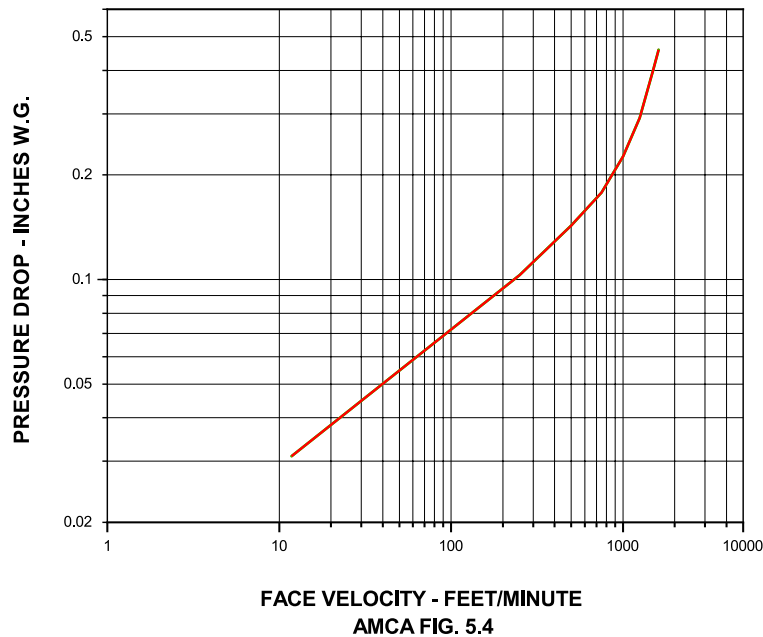
Air Performance

Performance data results from testing a 24 in. x 24 in. damper in accordance with AMCA Standard 500-D using Figure 5.4. All data has been corrected to represent standard air at 0.075 lb/ft³ (1.201 kg/m³).

Pressure Drop

24 in. x 24 in. Damper
(610mm x 610mm)

VELOCITY VS. PRESSURE DROP



Specifications

Backdraft dampers meeting the following specifications shall be furnished and installed where shown on plans and/or as described in schedules.

Dampers shall consist of: heavy gauge 304 stainless steel channel frame (18 ga. [1.3mm] thick) with 3¹/₈ in. (79mm) depth; blades from 26 ga. (.47mm) 304 stainless steel; 3/4 in. (19mm) dia. 304SS axles turning in acetal bearings; damper shall be equipped with TPE blade seals; and internal 1/8 in. (3mm) 304 stainless steel

blade-to-blade linkage. Damper manufacturer's printed application and performance data including pressure, velocity and temperature limitations shall be submitted for approval showing damper suitable for pressures to 2 in. wg (0.5 kPa), velocities to 2500 fpm (13 m/s) and temperatures to 180°F (82°C). Testing and ratings to be in accordance with AMCA Standard 500-D.

Basis of design is model SSNM-30.