SSNM-10 Series

Horizontal Mount/Vertical Airflow Up
Stainless Steel Backdraft Damper

Application and Design

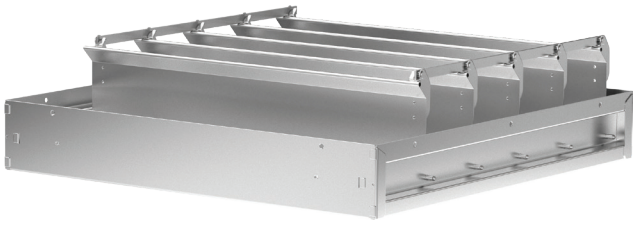
The SSNM-10 series is a horizontally mounted backdraft damper that is designed to allow vertical airflow up and prevent reverse airflow. The damper is opened by air pressure differential and closed by gravity.

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)

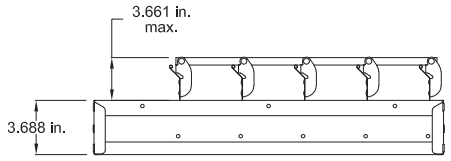


*W & H dimensions furnished approximately ⅛ in.(3mm) under size.

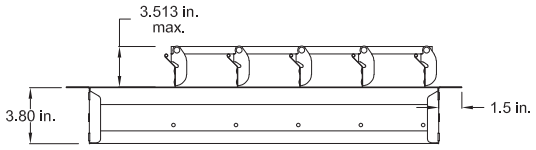
	Standard
Frame Material	304SS
Frame Thickness	18 ga. (1.3mm)
Blade Material	304SS
Blade Thickness	26 ga. (0.47mm)
Axle	3⁄16 in. (5mm) metallic
Axle Linkage	⅛ x ½ in. (3mm x 13mm) 304SS
Bearings	Synthetic (acetal) sleeve type
Blade Seals	TPE

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

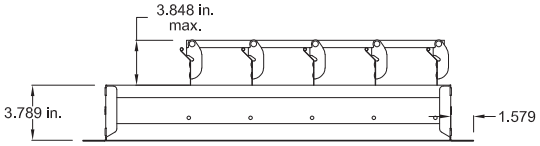
SSNM-10
No Flange



SSNM-11
Flange On Discharge



SSNM-12
Flange On Intake

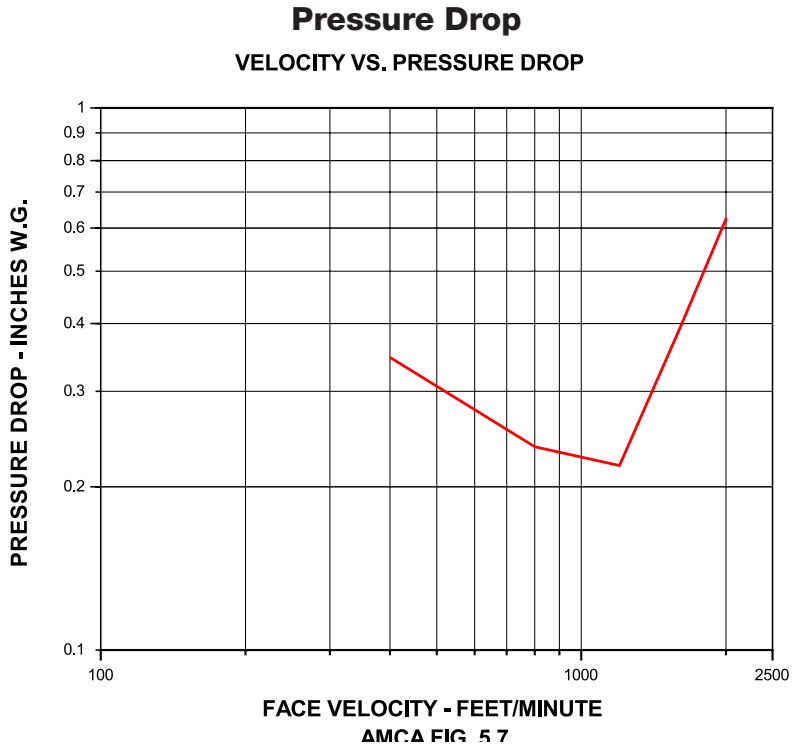


Options and Accessories

- 1½ in. (38mm) flange on discharge: SSNM-11
- 1½ in. (38mm) flange on intake: SSNM-12

Performance Data SSNM-10

Performance data results from testing a 24 in. x 24 in. (610mm x 610mm) damper in accordance with AMCA Standard 500-D using Figure 5.7E . All data has been corrected to represent standard air at 0.075 lb/ft^3 (1.201 kg/m^3).



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: 18 ga. (1.3mm) 304 stainless steel channel frame with 3 11/16 in. (94mm) depth; blades from 26 ga. (0.47mm) 304 stainless steel; 3/16 in. (5mm) dia. 304 stainless steel axles turning in acetal bearings; damper shall be equipped with TPE blade seals; and internal 1/8 x 1/2 in. (3mm x 13mm) 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-10.