

### Application

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

#### 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.

### Construction

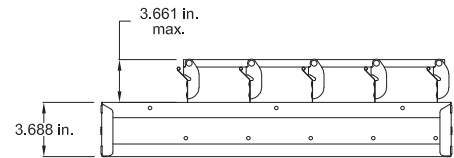
Construction	Standard
Frame Material	304SS
Frame Thickness	18 ga. (1.3mm)
Blade Material	304SS
Blade Thickness	26 ga. (0.47mm)
Axle	3/16 in. (5mm) metallic
Axle Linkage	1/8 x 1/2 in. (3mm x 13mm) 304SS
Bearings	Synthetic (acetal) sleeve type
Blade Seals	TPE

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

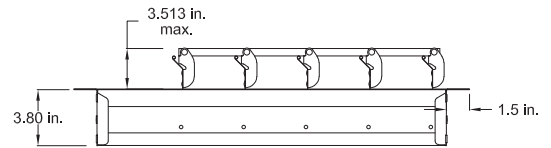
### Options and Accessories

- 1 1/2 in. (38mm) flange on discharge: SSNM-11
- 1 1/2 in. (38mm) flange on intake: SSNM-12

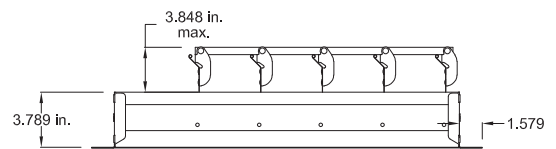
**SSNM-10**  
No Flange



**SSNM-11**  
Flange On Discharge

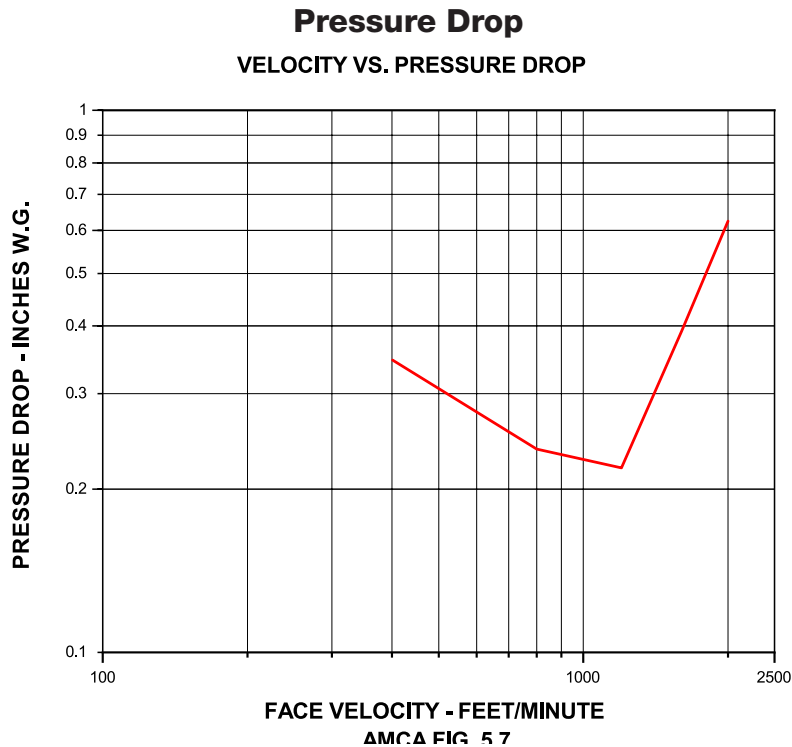


**SSNM-12**  
Flange On Intake



## Performance Data

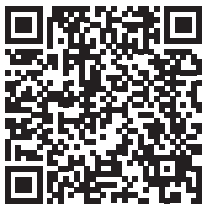
Performance data results from testing a 24 in. x 24 in. (610mm x 610mm) damper in accordance with AMCA Standard 500-D using Figure 5.7E. All data has been corrected to represent standard air at 0.075 lb/ft<sup>3</sup> (1.201 kg/m<sup>3</sup>).



## Document Links

[Catalog](#)

[Damper Warranty](#)



## 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<sup>11</sup>/<sub>16</sub> 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.



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SSNM-10 Series, R4, April 2022  
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