

## NMS2 NONMETALLIC BACKDRAFT DAMPER

### STANDARD CONSTRUCTION

#### FRAME

16 gage (1.6) galvanized steel.

#### BLADES

Neoprene coated fiberglass.

#### REAR GRILL

Galvanized expanded metal.

#### MINIMUM SIZE

6" w x 4"h (152 x 102).

#### MAXIMUM SIZE

None. Damper will be fabricated in two or more sections when height exceeds 24" (610) or width exceeds 30" (762).

**CAUTION:** Do not use for fan discharge.

#### TEMPERATURE LIMITS

-30°F (-34°C) minimum and +200°F (93°C) maximum.

#### MAXIMUM VELOCITIES

System - 1000 fpm

Spot - 1200 fpm

### FEATURES

This steel frame, nonmetallic blade backdraft damper features:

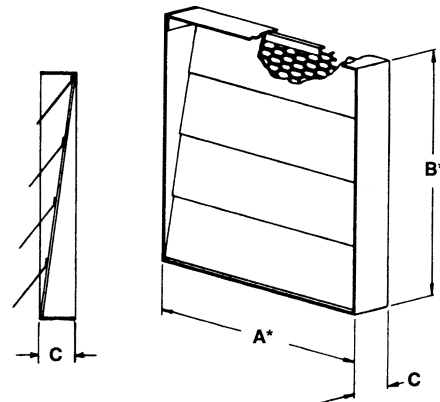
- 60% free area.
- Exceptional strength and tear resistance.
- Resistance to moisture, mildew, and rot as well as to most oils, chemicals, and grease.
- Quiet operation with no metallic noises.
- Fire resistance through fire retardant, noncombustible coating.
- Long, dependable operation with no mechanical pivots.

#### Notes:

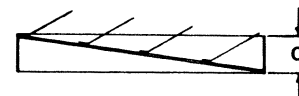
\*Unit is furnished approximately 1/4" (6) smaller than given "opening" dimensions.

Dimensions shown in parentheses ( ) indicate millimeters.

DAMPER HEIGHT – B	C
4" (102) through 12" (25)	2" (51)
Over 12" (25) through 20" (508)	3" (76)
Over 20" (508) through 24" (610)	4" (102)



VERTICAL DAMPER



HORIZONTAL DAMPER  
(Upward airflow only)

## SUGGESTED SPECIFICATION

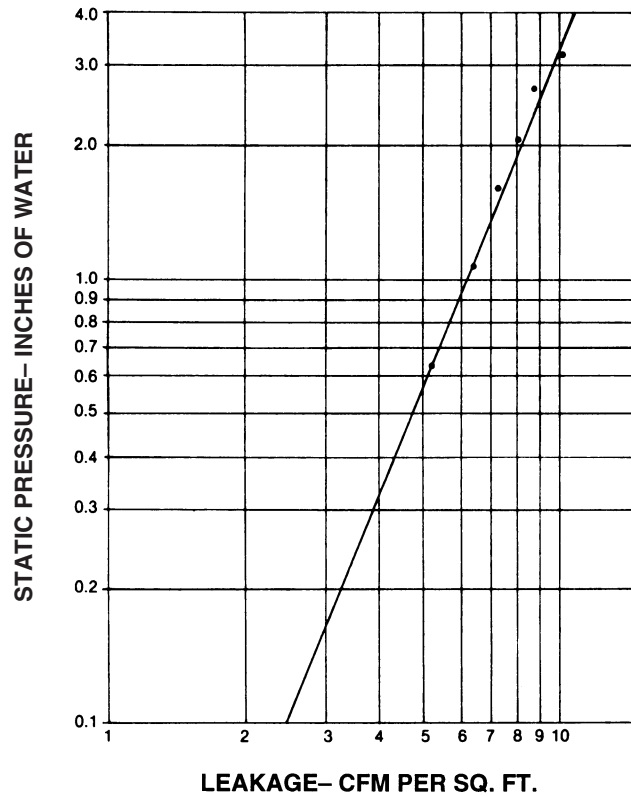
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Furnish and install, at locations shown on plans or in accordance with schedules, backdraft dampers that meet the following minimum construction standards: Frame shall be 16 gage galvanized steel with windstops to reduce back flow all around. Blades shall be non-combustible neoprene coated fiberglass mechanically locked

into blade edge for low noise operation. Each blade shall operate independently without bearings or linkage. Dampers shall be designed for maximum 1200 fpm spot velocities and up to 4" w.g. back pressure depending on damper size. Dampers shall be in all respects equivalent to Ruskin model NMS.

## NMS PERFORMANCE DATA

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