

APPLICATION:

Model BMI-SD-V-MS-101 is a smoke damper with triple "V" style blades (tested per UL555S). The BMI-SD-V-MS-101 is a class 1 low leakage damper qualified to 2000 FPM and 4" w.g for smoke control applications. The BMI-SD-V-MS-101 is approved for vertical installation (in walls and partitions) with blades running horizontally as well as horizontal installation (floors).



RATINGS:

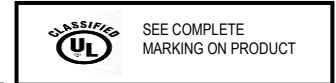
Fire Rating:	1-½ hr
Leakage Rating:	Class 1
Max. Velocity:	2000fpm
Max. Static Pressure:	4.0" w.g
Temperature Rating:	250 Degree F.
Operation Rating:	Power Open

LISTINGS:

UL555 & UL555S

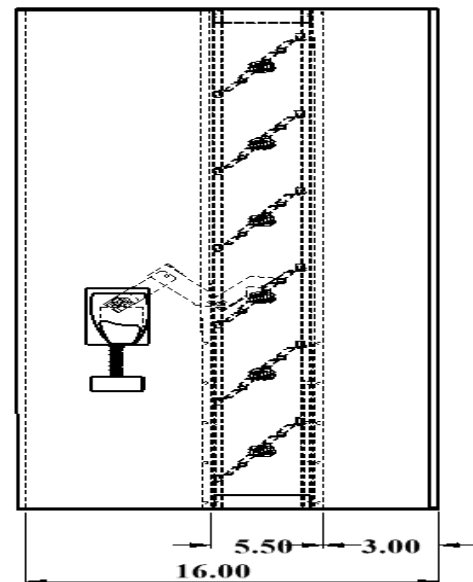
STANDARDS MET:

NFPA 90A
International Building Code
National Building Code (NBC Canada)
SMACNA



STANDARD CONSTRUCTION:

Frame	16 Ga. Galvanized Steel Hat Channel
Blade Material	16 Ga. Galvanized Steel
Blade Type	Triple "V" formed
Actuator	Electric two position spring return 24V or 120V
Axle Material	Fire Resistant Bronze/Brass bushing
Finish	Mill Galvanized
Linkage	2.5mm (0.10") zinc plated steel concealed in the frame
Sleeves	16" x 18-Gauge Galvanized steel factory installed
Blade Seals	Silicone rubber gasket with laminated acrylic adhesive bonded to blade edges
Jamb Seals	Corrosion Resistant Stainless Steel
Connecting Rod	0.472" x 0.472" (12mm x 12mm) Zinc Plated Square Steel
Leakage Class	Class 1 250 Degree F
UL Hour Rating	1.5 Hour



MINIMUM & MAXIMUM SIZES:

UL 555S Rating Mounting	Minimum Size (W x H)	Maximum Size (W x H)	
		Single Section	Multiple Section
Vertical (Wall) or Horizontal (Floor)	8" x 8" (203 mm) x (203 mm)	36" x 36" (914 mm) x (914 mm)	144" x 72" (V) (3657.6 mm) x (1828.8 mm) & 288" x 36" (H) (7315.2 mm) x (914.4 mm)

Minimum Duct Size: Vertical Mount 4" x 4" (C-style) (enclosure)

OPTIONAL CONSTRUCTION:

- Auxiliary Switch
 - Add to Actuator (recommended)
 - Add to Damper
- Test Switch (Cycle Test)
- Retaining Angles
 - One Sided • Two Side
- Smoke Detector
 - Installed • Loose
- Actuators
 - Right • Left • Internal

ACTUATOR SPECIFICATION:

Honeywell	
120 V	MS4104F1210
	MS4109F1210
24 V	MS8104F1210
	MS8109F1210