

COMBINATION FIRE/SMOKE DAMPER

BMI-V-FSS-MS-101

APPLICATION:

Model BMI-V-FSS-MS-101 is a combination fire/smoke damper with triple "V" style blades. The BMI-V-FSS-MS-101 is a class 1 low leakage damper used to restrict the spread of fire/smoke in HVAC system that are designed to be automatically shut down in the event of the fire. The BMI-V-FSS-MS-101 is installed Vertically (with blades running horizontally).



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 & UL5555

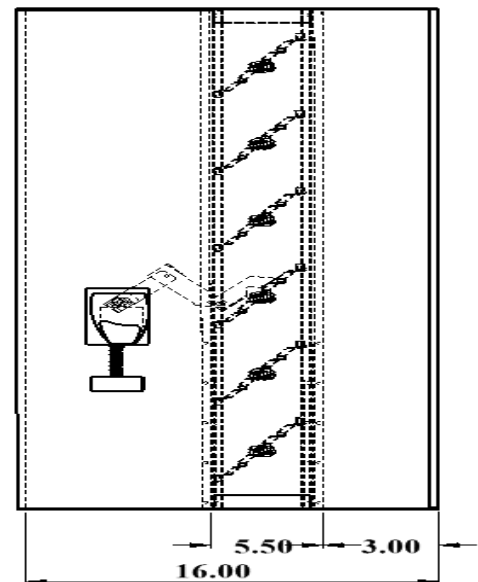
STANDARDS MET:

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
Sensor	Temperature Responsive Device (TRD) 165 Deg F
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:

Minimum Size (W x H)	Maximum Size (W x H)	
	Single Section	Multiple Section
8" x 8" (203 mm) x (203 mm)	36" x 36" (914 mm) x (914 mm)	72" x 72" (1828.8 mm) x (1828.8 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