



## Corridor Fire/Smoke Combination Damper Model 471 CLASS I

**Features** — U.L. rated for dynamic closure & leakage CLASS I @ 250°F or 350°F.  
Meets NFPA 90A & UL 555 & UL 555S. Seismic and Fragility tested.

### STANDARD CONSTRUCTION

**FRAME**

4-5/16" deep, 16 gauge galvanized steel

**BLADES**

6 1/2" wide, 16 gauge galvanized steel  
(Bottom blade width may vary depending on damper height)

**BLADE AXLES & BEARINGS**

AXLES — 7/16" Dia. Plated hex mechanically fastened to blade  
BEARINGS — 1/2" Dia. Bronze oil impregnated

**LINKAGE**

Plated steel in opposed blade configuration, concealed inside the jamb

**SEALS**

Extruded Silicone blade edge and stainless steel jamb seals

**MAXIMUM UL CLASSIFIED LEAKAGE CLASS I SIZE**

24" W x 24"H

**MINIMUM UL CLASSIFIED LEAKAGE CLASS I SIZE**

12"W x 9"H

**SLEEVE**

18 ga. x 16" deep galvanized steel

**UNDERSIZED**

1/4" under ordered size unless specified Exact or Actual

**FINISH**

Mill

**HEAT SENSOR**

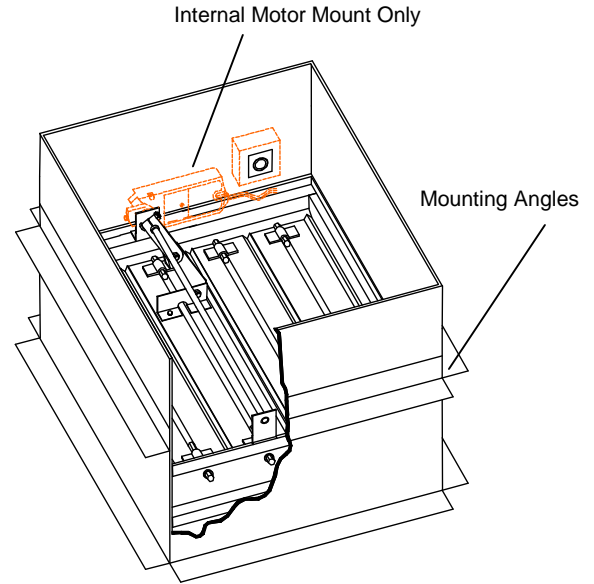
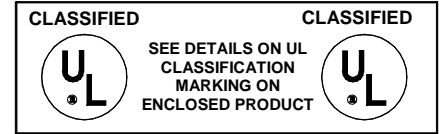
120 VAC, 165° to 350°

**OPERATOR**

None

**MOUNTING ANGLES**

1-1/2" x 1-1/2" x 18 ga. galvanized steel



### OPTIONAL CONSTRUCTION

**SLEEVE AND DUCTWORK CONNECTION** — 10 ga. to 20 ga. galvanized steel to 30" in length. — Transitions available in: round, oval, rectangular or custom. Factory can install access door, retaining angles, or flange connections.

**OPERATOR** — Electric or pneumatic, internally mounted, please consult operator listing

\*Dampers 11" high and under will be single blade, and extend from the frame proportionately

### ACCESSORIES

- Smoke Detector
- Indicator Switches
- Monitoring Station
- Dual Sensors

### APPROVED ACTUATORS

	Honeywell	Siemens	Belimo
24 Vac -	ML 8115	GND121.1U	FSNF24 US*
	MS 4309	GGD121.1U	
	MS 8120		
120 Vac -	ML 4115	GND221.1U	FSNF120 US*
	MS 4209	GGD221.1U	
	MS 4120		
230 Vac -		GND321.1U	
		GGD321.1U	
Pneumatic -		331-2961	
		331-3060	

\* Only for dampers up to 24" x 24"

<b>Contractor</b>
<b>Project</b>
<b>Engineer</b>

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