



# Series 10

Combination Fire And Smoke Damper

Job: \_\_\_\_\_

Location: \_\_\_\_\_

Submitted to: \_\_\_\_\_

Submittal Prepared by: \_\_\_\_\_

Approve Date: \_\_\_\_\_

Date: \_\_\_\_\_

## Specifications

### UL Classified - 1 1/2 Hour Rating:

- Leakage Class: Class I - Ultra Low Leakage and Class II - Low Leakage
- Vertical and Horizontal Installation
- Thermal Disc: 165°F standard / 212°F optional
- Temperature Ratings - 250° and 350° F
- Opposed Blades
- Maximum Velocity: 2000 FPM (4" WG)
- Rated for both Upstream and Downstream

### Standard Construction:

- Frame: 16 Ga galvanized steel
- Blades: 16 Ga galvanized steel triple crimped, 6" centers
- Seals: Silicone blade and stainless jamb
- Linkage: concealed in jamb
- Bearings: 5/8" oilite bronze
- Axles: 7/16" plated hex
- Control Shaft: 1/2" round

### Options:

- Sleeves: 17", 20", 24"
- Actuator Mounting: External or Internal, Right or Left
- Actuator Voltage: 24V, 120V
- Actuator Type: Belimo
- Actuator Operation: Power-Open/Fail-Close
- Smoke Detector

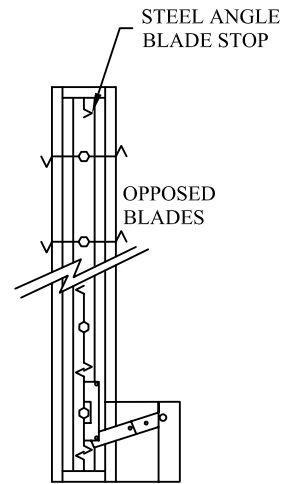
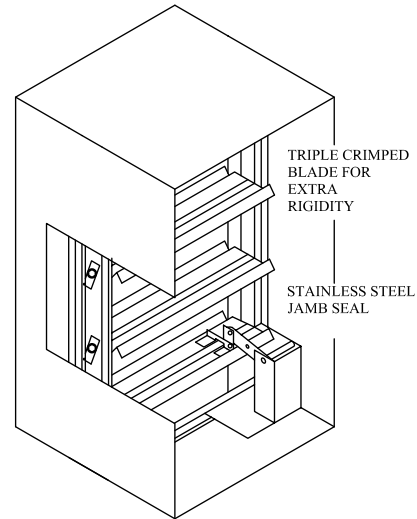
### Sizes:

- Minimum: 8" x 6"
- Single-Section Maximums:
  - Crimped Blades: Vertical Max: 36"W x 48"H
  - Horizontal Max: 36"W x 36"H
- Multi-Section Maximums:
  - Crimped Blades: Vertical Max.: 144"W x 48"H
  - Horizontal Max.: 72"W x 36"H

\* Duct sizes less than 10" height will have transition on sleeve

### Models:

N, No Transition	Type A Sleeve
R, Square Transition	Type C Sleeve
C, Round Transition	
V, Oval Transition	



1/4" LESS THAN  
OPENING SIZE



UL Standards 555 and 555S  
NFPA Standard 90A and 92  
NFPA Bulletin 80  
ICC Building Codes



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# Part Number Format

**1 2 V 1 D 0 0 0 0 0 G 1 N S 4**

**Width**  
144" Max

**Height**  
48" Max

**Internal/External/Right/Left/End Switch/No Endswitch**  
 D = External-Right-No End Switch  
 A = External-Left-End Switch  
 B = Internal-Right-End Switch  
 C = Internal-Left-End Switch  
 E = External-Right-End Switch  
 F = External-Left-No End Switch  
 J = Internal-Right-No End Switch  
 K = Internal-Left-No End Switch

**Response Device**  
4 = No Response Devices

**Smoke Detector**  
 S = SL-2000-P (Default)  
 T = SL-2000-N  
 N = No Smoke Detector

**Actuator Type/Voltage**  
 1 = Belimo, 120v  
 2 = Belimo, 24v

**Transition**  
 R = Rectangular  
 V = Oval  
 C = Round  
 N = No Transition

**Sleeve Length**  
 1 = 17"  
 2 = 20"  
 3 = 24"

**Blade Type**  
 V = Opposed Crimped

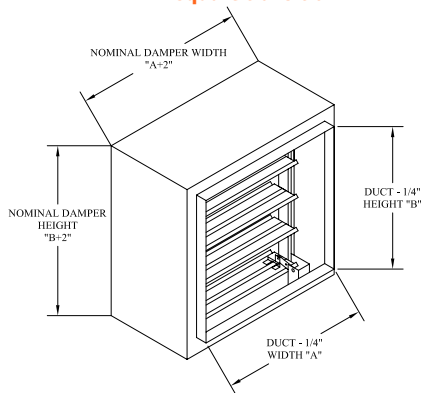
**Leakage Class**  
 1 = Class I, Ultra Low Leakage  
 2 = Class II, Low Leakage

**Link and Rating**  
 G = 165°F; 250°  
 H = 212°F; 250°  
 L = 165°F; 350°  
 M = 212°F; 350°

**Model**  
 1 = Series 10 1 1/2 hr

Qty.	Model	Leakage Class	Blade Type	Actuator Type	End Switch	Damper Size		Link Type	Sleeve Length	Transition/ Out of Wall	Smoke Detector
						W	H				

**TYPE R – square transition**



**TYPE C or V – round or oval transition**

