



# Series 10

Combination Fire And Smoke Damper

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

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

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

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

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

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

## Specifications

### UL Classified - 1½ 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

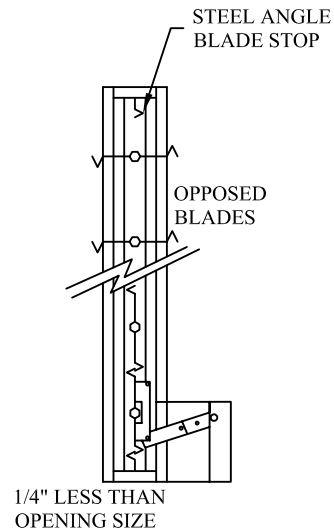
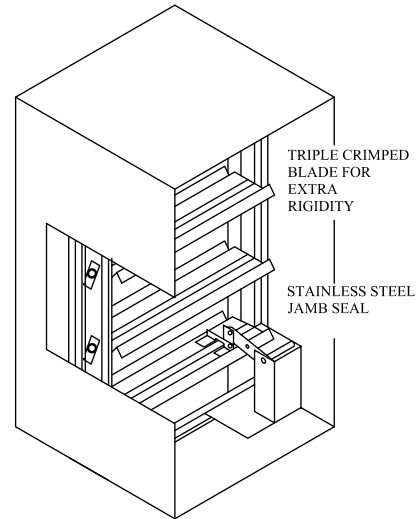
### Sizes:

- 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	



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



Aire Technologies, Inc

1502 Industrial Drive, Monongahela, PA 15063

1-866-421-AIRE

AireTechnologies.com

# 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

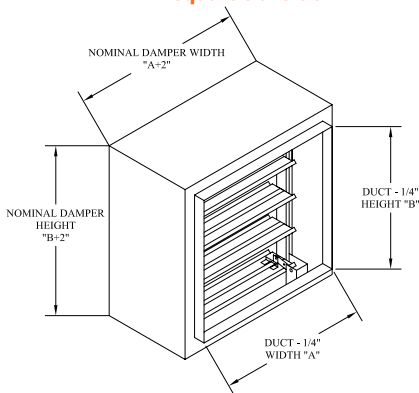
**Leakage Class**  
 1 = Class I, Ultra Low Leakage  
 2 = Class II, Low Leakage

**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**

