



Series 20

Smoke Damper

Job: _____

Location: _____

Submitted to: _____

Submittal Prepared by: _____

Approve Date: _____

Date: _____

Specifications

UL Classified:

Leakage Class: Class I - Ultra Low Leakage and Class II - Low Leakage
 Vertical and Horizontal Installation
 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:

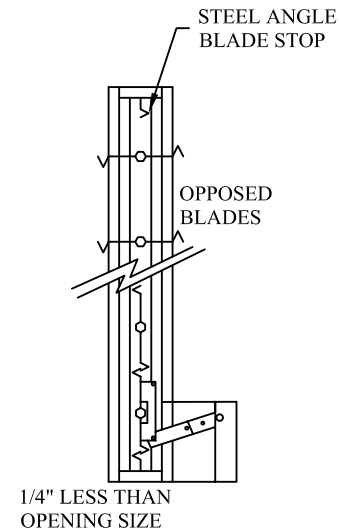
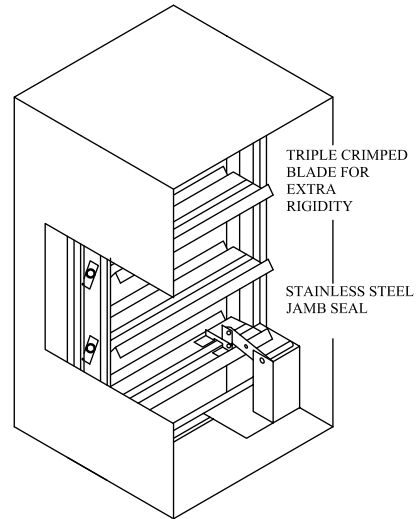
Sleeves: 14", 17", 20", 24"
 Actuator Mounting: External or Internal, Right or Left
 Actuator Voltage: 24V, 120V
 Actuator Type: Belimo
 Actuator Operation: Power-Open/Fail-Close
 Smoke Detector

Sizes:

Minimum: 8" x 8"*
 Single-Section Maximum:
 Crimped Blades: Vertical & Horizontal: 36"W x 48"H
 Multi-Section Maximum:
 Crimped Blades: Vertical & Horizontal: 144"W x 48"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



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Part Number Format

2 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"

Link and Rating
 G = 250°
 H = 350°

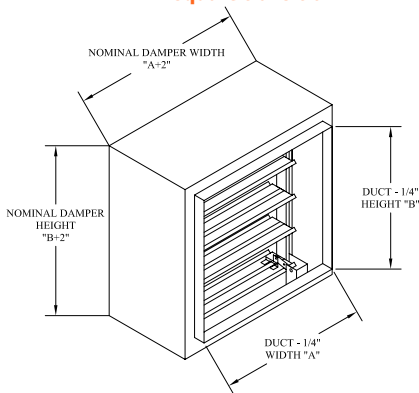
Blade Type
V = Opposed Crimped

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

Model
2 = Series 20

| Qty. | Model | Leakage Class | Blade Type | Actuator Type | End Switch | Damper Size | | Link Type | Sleeve Length | Transition | Smoke Detector |
|------|-------|---------------|------------|---------------|------------|-------------|---|-----------|---------------|------------|----------------|
| | | | | | | W | H | | | | |
| | | | | | | | | | | | |
| | | | | | | | | | | | |
| | | | | | | | | | | | |

TYPE R – square transition



TYPE C or V – round or oval transition

