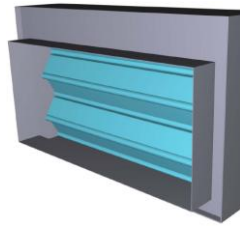
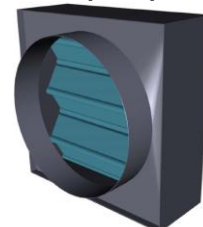


- UL 555 & CAN/ULC-S112 Classified Dynamic Fire Damper, 1 1/2 Hr. Label (File # R25565).
- NFPA 80, 90A & 101 compliant.
- NBC and IBC building codes compliant.



TYPE C



TYPE CR



TYPE CO

### STANDARD CONSTRUCTION

**DEPTH:** 4 ¼ inches (108).

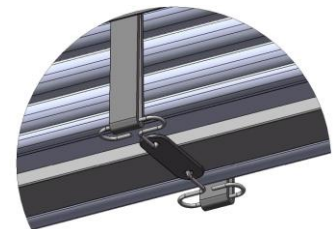
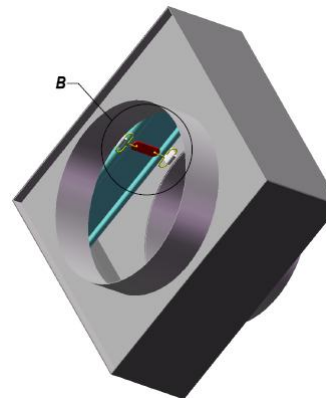
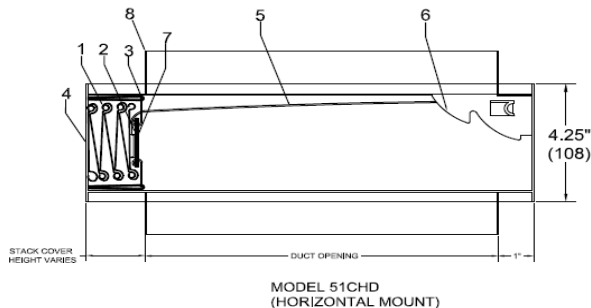
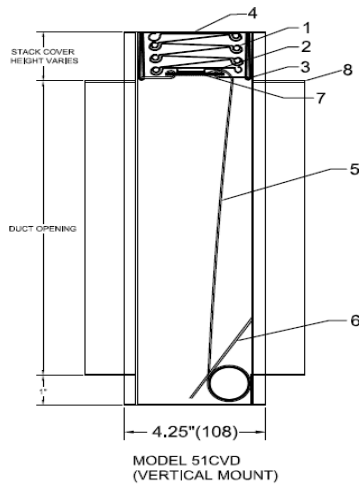
**FRAME:** Roll formed 20 Ga. galvanized steel with hemmed edge

**BLADE:** Roll formed 22 Ga. galvanized steel.  
Interlocking curtain type blade.

**FUSIBLE LINK:** 165°F (74 C).

### OPTIONAL CONSTRUCTION

- Factory supplied Sleeve (**Required for all multiple section sizes;** collars will be fastened to sleeve ends).
- Access Door factory mounted in a common sleeve to ensure compliance with UL installation requirements
- Fusible Link 212°F (100 C)
- 1 ½" x 1 ½" mounting angles



DETAIL B

### DYNAMIC CLOSURE RATINGS:

- 2000 fpm (10.2 m/s) on all sizes, vertical or horizontal mount.
- 5000 fpm (25.4 m/s) vertical mount only, with size limitations (contact factory).
- 4" w.g. (1kPa) maximum pressure on all sizes.

### MAINTENANCE RECOMMENDATIONS:

NFPA 80 advises that fire dampers be inspected and tested 1 year after installation, then every 4 years minimum. More frequent inspections may be required due to system use and air conditions, or applicable local codes.

### NOTES:

These dynamic dampers are UL/ULC approved for use in HVAC systems where the fans remain on in the event of a fire.

1½ hr. labeled fire dampers are suitable for use in fire separations with a fire resistance rating of 2 hours or less.

**Fire dampers must be installed in accordance with manufacturer's instructions. Refer to Alumavent installation instructions for details.**

### FIRE DAMPER COMPONENTS

- |                          |                           |
|--------------------------|---------------------------|
| 1. Blade                 | 5. Constant Force Spring  |
| 2. Fusible Link Assembly | 6. Lock Ramp              |
| 3. Link Strap            | 7. Blade Stiffener        |
| 4. Frame                 | 8. Duct Connection Collar |

Dimensions are shown in inches (mm).

**TYPE C (SQUARE/RECTANGULAR COLLAR)**

**Min. Size:** 4" x 4" (102 x 102).

**Max. Size: Single Section**

Vertical or Horizontal mount: 22" x 20"  
(559 x 508).

**Multiple Section (See \*NOTE below)**

Vertical Mount: 70" x 43" (1778 x 1092),  
46" x 68" (1168 x 1727) or 118" x 20"  
(2997 x 508).

Horizontal mount: Contact factory.

**TYPE CR (ROUND COLLAR)**

**Min. Size:** 4"(102) diameter.

**Max. Size: Single Section**

Vertical or Horizontal mount: 20"(508) diameter.

**Multiple Section (See \*NOTE below)**

Vertical mount: 43" (1092) diameter.

Horizontal mount: Contact factory.

**TYPE CO (OVAL COLLAR)**

**Min. Size:** 5" x 4" (127 x 102) oval.

**Max. Size: Single Section**

Vertical or Horizontal mount: 22" x 20"  
(559 x 508) oval.

**Multiple Section (See \*NOTE below)**

Vertical mount: 46" x 68" (1168 x 1727),  
118" x 20" (2997 x 508) or 70" x 43"  
(1778 x 1092) oval.

Horizontal mount: Contact factory.

**\*NOTE: All multiple section sizes require a factory sleeve. Collars will be fastened to sleeve ends.**

SEE TYPE C DYNAMIC SIZING CHART SC51CD FOR OVERALL DAMPER DIMENSIONS.

REF. #	QTY.	DUCT SIZE Ø / WxH	MOUNT (V/H)	ACCESSORIES

<b>PROJECT NAME:</b>		<b>ENGINEER:</b>	
<b>CONTRACTOR:</b>		<b>SUBMITTAL DATE:</b>	