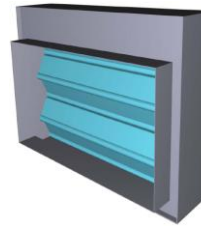
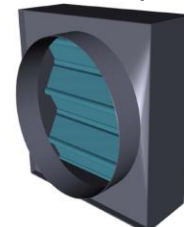


### MODEL 53C(CR,CO)VD • C TYPES

- UL 555 & CAN/ULC-S112 Classified Dynamic Fire Damper, 3 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 1/4" (108).

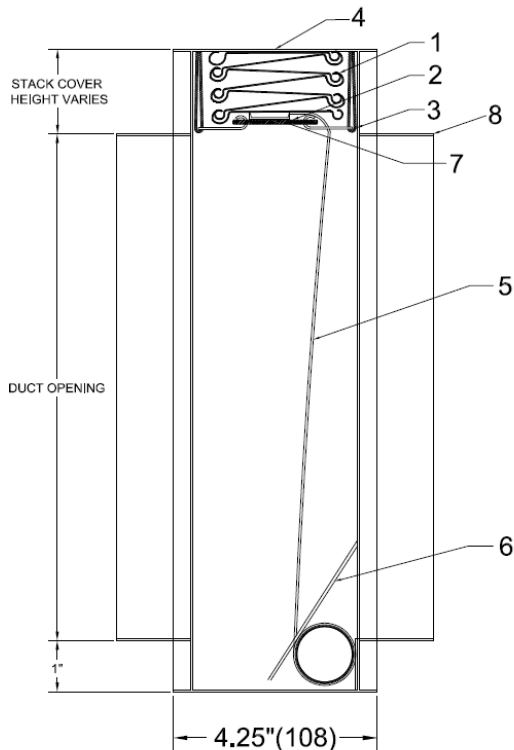
**FRAME:** Roll formed 20 Ga. galvanized steel with hemmed edge.

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

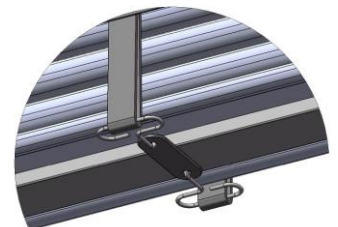
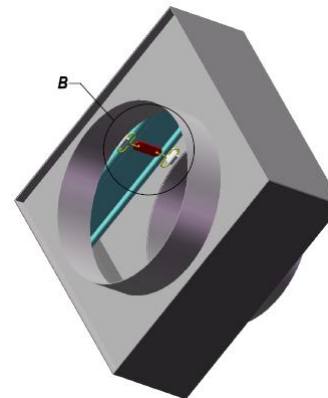
**FUSIBLE LINK:** 165°F (74 C).

#### 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.
- ☐ 212°F (100 C) Fusible Link.
- ☐ 1 1/2" x 1 1/2" Retaining Angles.



MODEL 53CVD  
(VERTICAL MOUNT)



DETAIL B

#### DYNAMIC CLOSURE RATINGS:

- 2000 fpm (10.2 m/s) on all sizes.
- 5000 fpm (25.4 m/s) 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. 3 hr. labeled fire dampers are suitable for use in fire separations with a fire resistance rating of 4 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 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 94" x 20"

(2388 x 508).

Contact factory for horizontal mount.

**TYPE CR (ROUND COLLAR)**

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

**Max. Size: Single Section**

Vertical mount: 20"(508) diameter.

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

Vertical mount: 43" (1092) diameter.

Contact factory for horizontal mount.

**TYPE CO (OVAL COLLAR)**

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

**Max. Size: Single Section**

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

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

Vertical mount: 70" x 43" (1778 x 1992),

46" x 68" (1168 x 1727) or 94" x 20" (2388 x 508)

oval.

Contact factory for horizontal mount.

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

SEE 3 HOUR DYNAMIC TYPE C SIZING CHART SC53CD FOR OVERALL DAMPER DIMENSIONS.

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

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