

- 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.

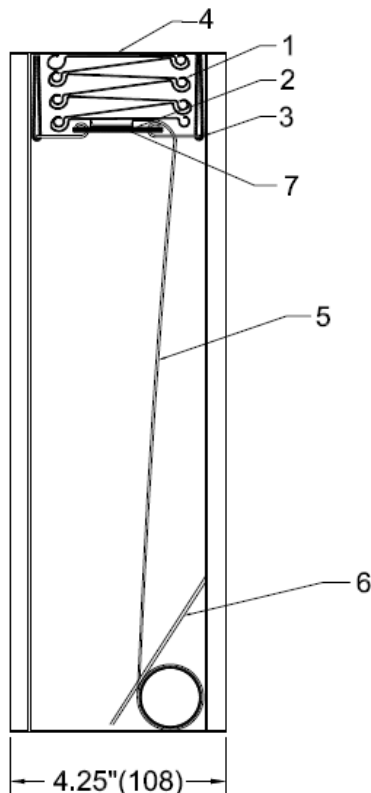


STANDARD CONSTRUCTION

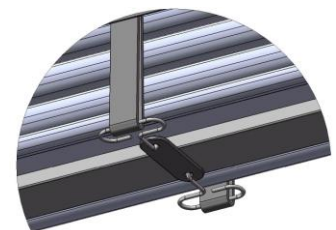
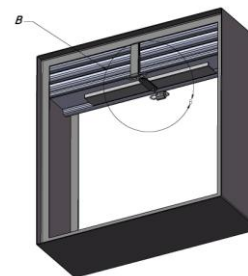
DEPTH: 4 1/4" (108).
FRAME: Roll formed 20 Ga. galvanized steel with hemmed edge.
BLADES: Roll formed 22 Ga. galvanized steel.
 Interlocking curtain type blades.
FUSIBLE LINK: 165°F (74 C).

OPTIONAL CONSTRUCTION

- ☐ Factory supplied Sleeve – 22, 20, 18 or 16 Ga.
*Sleeve length required.
- ☐ Round Transitions (See Model 53CRVD).
- ☐ Access Door factory mounted in a common sleeve.
- ☐ 212°F (100 C) Fusible Link [max. size 48 x 48 (1219 x 1219)].
- ☐ 1 1/2" x 1 1/2" Retaining Angles.



MODEL 53AVD
(VERTICAL MOUNT)



DETAIL B

DYNAMIC CLOSURE RATINGS:

- 2000 fpm (10.2 m/s) on all sizes.
- 5000 fpm (25.4 m/s) up to 24" x 24" (610 x 610).
- 4" w.g. (1 kPa) 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:

Dampers are furnished approximately 1/4" (6) smaller than the given duct dimensions.
 These dynamic dampers are UL/ULC approved for use in HVAC systems where the fans remain on in the event of 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.

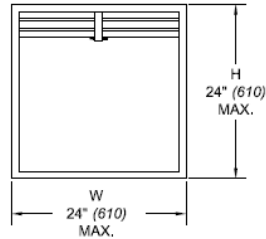
FIRE DAMPER COMPONENTS

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

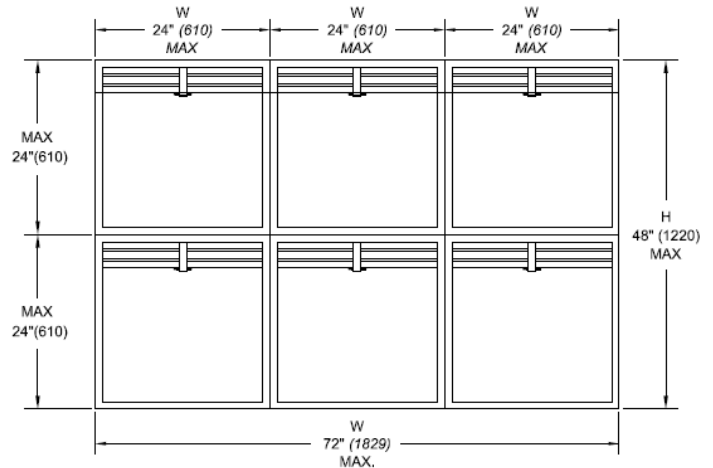
Dimensions are shown in inches (mm).

SINGLE SECTION DAMPER
-VERTICAL MOUNT ONLY

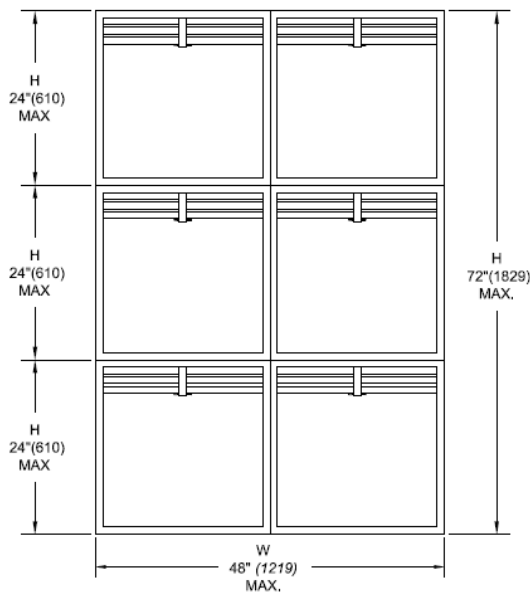
MINIMUM SIZE:
6"X6"(152X152)



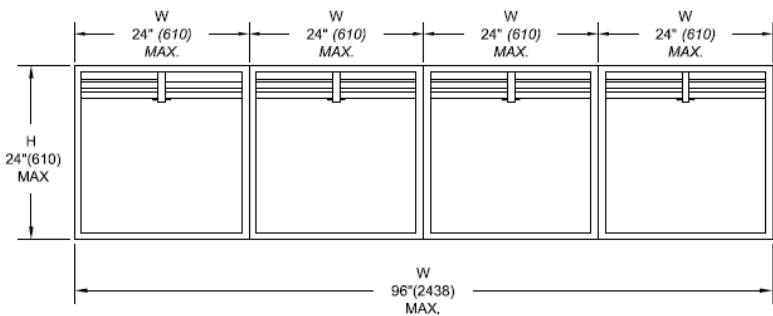
MULTIPLE SECTION DAMPER
-VERTICAL MOUNT ONLY



MULTIPLE SECTION DAMPER
-VERTICAL MOUNT ONLY



MULTIPLE SECTION DAMPER
-VERTICAL MOUNT ONLY



REF. #	QTY.	DUCT WIDTH W	DUCT HEIGHT H	MOUNT (V only)	ACCESSORIES
				V	
				V	
				V	
				V	
				V	
				V	

*DAMPER WILL BE MANUFACTURED A MINIMUM OF ¼" (6) SMALLER THAN GIVEN DUCT DIMENSIONS.

PROJECT NAME:

ENGINEER:

CONTRACTOR:

SUBMITTAL DATE: