

- 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.

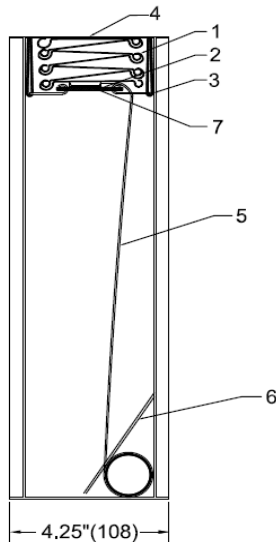


STANDARD CONSTRUCTION

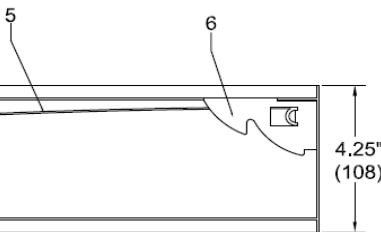
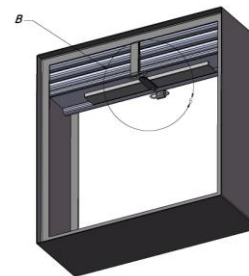
DEPTH: 4 ¼" (108).
FRAME: Roll formed 20 Ga. galvanized steel with hemmed edge.
BLADES: Roll formed 22 Ga. galvanized steel.
 Interlocking curtain type blades.
FUSIBLE LINK: 165°F (74 C).

OPTIONAL CONSTRUCTION

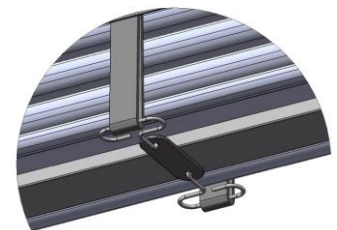
- Factory supplied Sleeve – 22, 20, 18 or 16 Ga.
 *Sleeve length required
- Round Transitions
- Access Door factory mounted in a common sleeve to ensure compliance with UL installation requirements
- 212°F (100 C) Fusible Link [max. size 48 x 48 (1219 x 1219)]
- 1 ½" x 1 ½" mounting angles



MODEL 51AVD
(VERTICAL MOUNT)



MODEL 51AHD
(HORIZONTAL MOUNT)



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, 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 ¼" (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.

1 1/2 hr. labeled fire dampers are suitable for use in fire separations with a fire resistance rating of 2 hours or less.

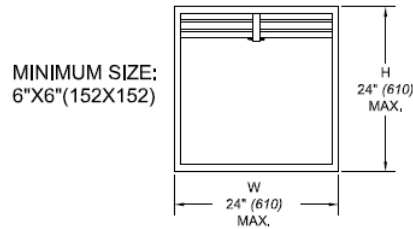
Fire dampers must be installed in accordance with manufacturer's instructions. Refer to Alumavent installation instructions for details.

FIRE DAMPER COMPONENTS

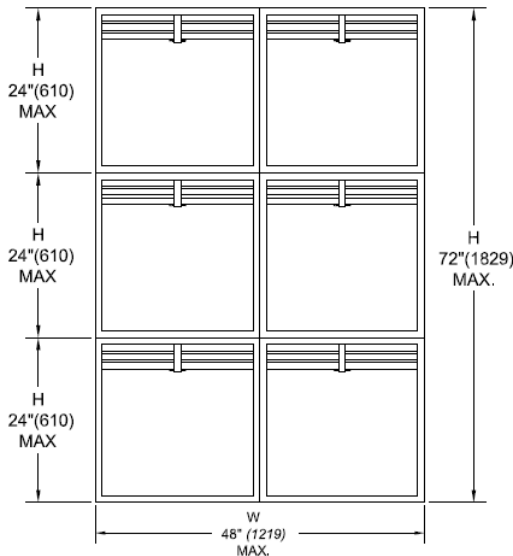
- | | |
|--------------------------|--------------------------|
| 1. Blade | 5. Constant Force Spring |
| 2. Fusible Link Assembly | 6. Lock Ramp |
| 3. Link Strap | 7. Blade Stiffener |
| 4. Frame | |

Dimensions are shown in inches (mm).

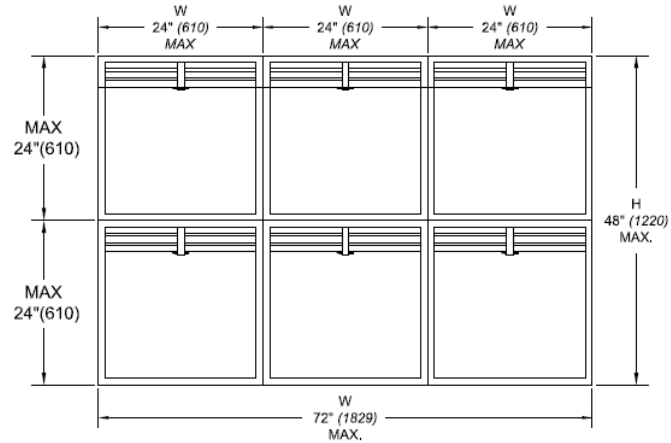
SINGLE SECTION DAMPER
-VERTICAL OR HORIZONTAL MOUNT



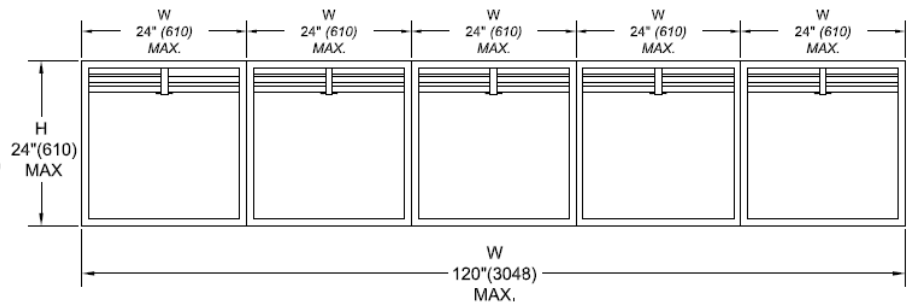
MULTIPLE SECTION DAMPER
-VERTICAL MOUNT ONLY



MULTIPLE SECTION DAMPER
-VERTICAL MOUNT ONLY



MULTIPLE SECTION DAMPER
-VERTICAL MOUNT ONLY



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

*DAMPER WILL BE MANUFACTURED A MINIMUM OF 1/4" (6) SMALLER THAN GIVEN DUCT DIMENSIONS.

PROJECT NAME:		ENGINEER:	
CONTRACTOR:		SUBMITTAL DATE:	