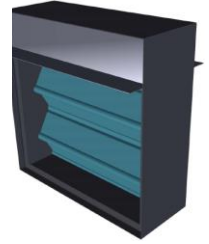


- UL 555 & CAN/ULC-S112 Classified Dynamic Fire Damper, 3 Hr. Label (File # R25565).
- NFPA 80, 90A & 101 compliant.
- NBC and IBC building codes compliant.



STANDARD CONSTRUCTION

DEPTH: 4 ¼" (108).

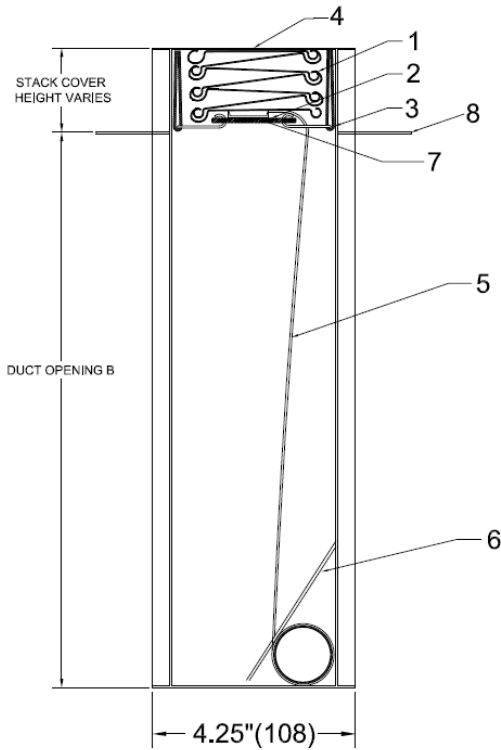
FRAME: Roll formed 20 Ga. galvanized steel with hemmed edge.

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

FUSIBLE LINK: 165°F (74 C).

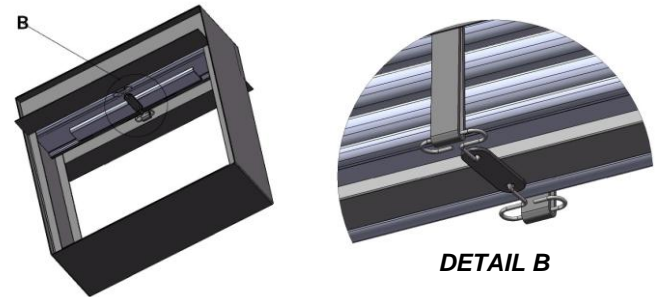
OPTIONAL CONSTRUCTION

- Factory supplied Sleeve – 22, 20, 18 or 16 Ga. *Sleeve length required.
- Access Door factory mounted in a common sleeve.
- 212°F (100 C) Fusible Link [max. size 48" x 44" (1219 x 1118)].
- 1 ½" x 1 ½" Retaining Angles.



MODEL 53BVD
(VERTICAL MOUNT)

| 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. Blade Stack Cover |



DYNAMIC CLOSURE RATINGS:

- 2000 fpm (10.2 m/s) on all sizes.
- 5000 fpm (25.4 m/s) up to 24" x 20" (610 x 508) duct size.
- 4" w.g. (1kPa) maximum pressure on all sizes.

MAINTENANCE RECOMMENDATIONS:

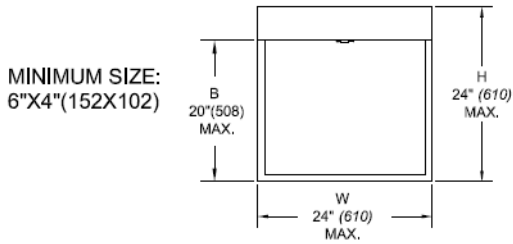
NFPA 80 advises that fire dampers be inspected and tested 1 year after installation, then every 4 years minimum. More frequent inspections may be required due to system use and air conditions, or applicable local codes.

NOTES:

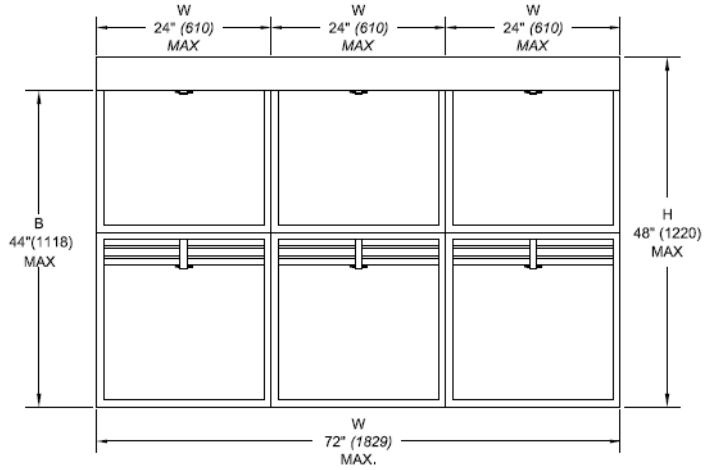
Dampers are furnished approximately ¼" (6) smaller than the given duct dimensions. These dynamic dampers are UL/ULC approved for use in HVAC systems where the fans remain on in the event of fire. 3 hr. labeled fire dampers are suitable for use in fire separations with a fire resistance rating of 4 hours or less. **Fire dampers must be installed in accordance with manufacturer's instructions. Refer to Alumavent installation instructions for details.**

Dimensions are shown in inches (mm).

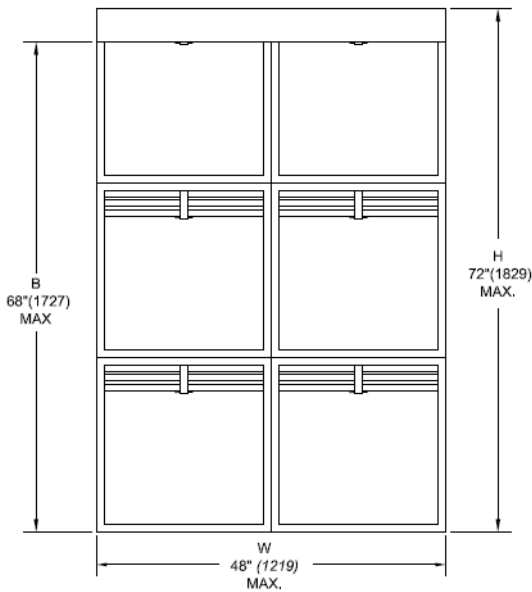
SINGLE SECTION DAMPER
 -VERTICAL MOUNT ONLY



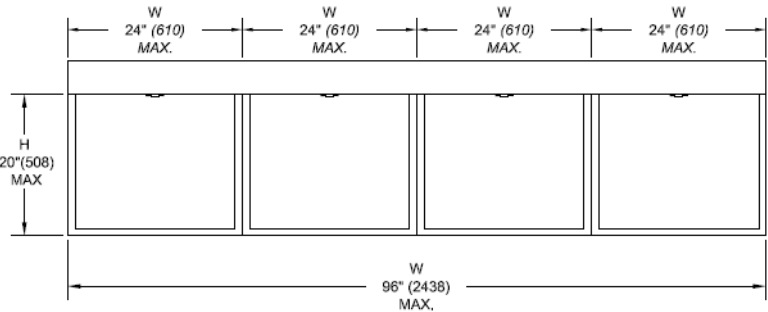
MULTIPLE SECTION DAMPER
 -VERTICAL MOUNT ONLY



MULTIPLE SECTION DAMPER
 -VERTICAL MOUNT ONLY



MULTIPLE SECTION DAMPER
 -VERTICAL MOUNT ONLY



NOTE: SEE 3 HOUR DYNAMIC TYPE B SIZING CHART SC53BD FOR OVERALL DAMPER DIMENSIONS.

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

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

| | | | |
|----------------------|--|------------------------|--|
| PROJECT NAME: | | ENGINEER: | |
| CONTRACTOR: | | SUBMITTAL DATE: | |