CONTROL DAMPERS & FIRE DAMPERS

- 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 (see model 51CR)
- 212°F (100 C) Fusible Link [max. size 48” x 48” (1219 x 1219)]
- 1 ½” x 1 ½” mounting angles

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 (6 years for hospitals). 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.

Dimensions are shown in inches (mm).
### Control Dampers & Fire Dampers

#### 5100D Series
- Dynamic 1 ½ Hour Label Fire Dampers
- Vertical & Horizontal Mount

51AVD & 51AHD • Type A

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**Single Section Damper**
- Vertical or Horizontal Mount

**Minimum Size:**
- 6"x6" (152x152)

**Multiple Section Damper**
- Vertical Mount Only

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#### Table of Dimensions

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<th>REF. #</th>
<th>QTY.</th>
<th>Duct Width (W)</th>
<th>Duct Height (H)</th>
<th>Mount (V/H)</th>
<th>Accessories</th>
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*Damper will be manufactured a minimum of ¼" (6) smaller than given duct dimensions.*

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**Project Name:**

**Contractor:**

**Engineer:**

**Submittal Date:**

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Dimensions are shown in inches (mm).

**Information shown herein is subject to change without notice or obligation.**

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