



VENT PRODUCTS CO., INC.

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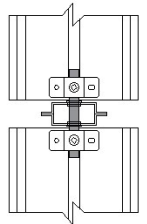
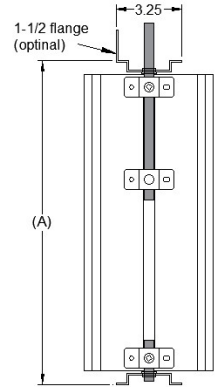
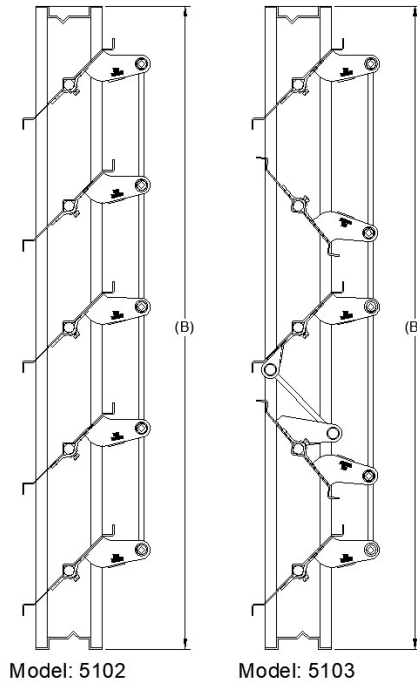
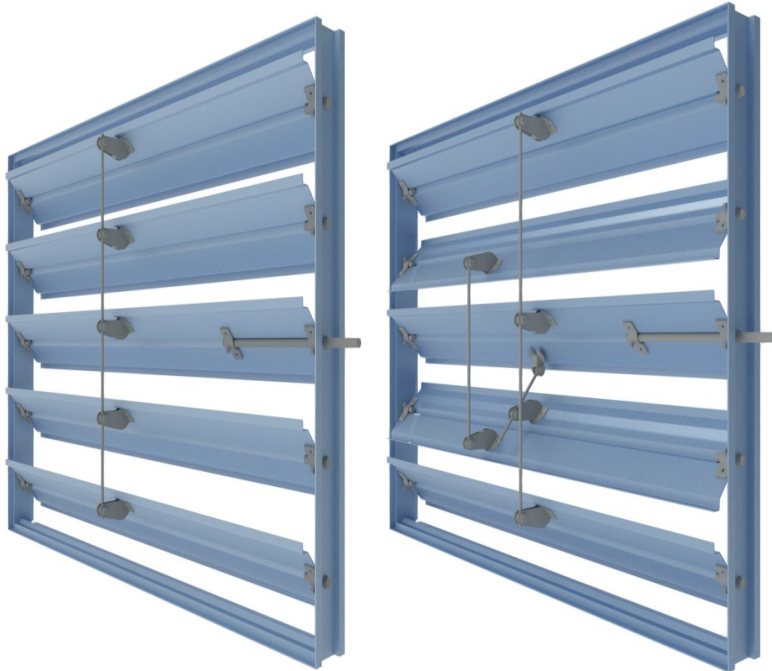
Fax No. : 773-521-5613

Website: www.ventproducts.com

CERTIFICATION & SUBMITTAL

MODEL: 5102 & 5103

Multi-Blade Control Dampers



Multiple Sections

STANDARD SPECIFICATIONS

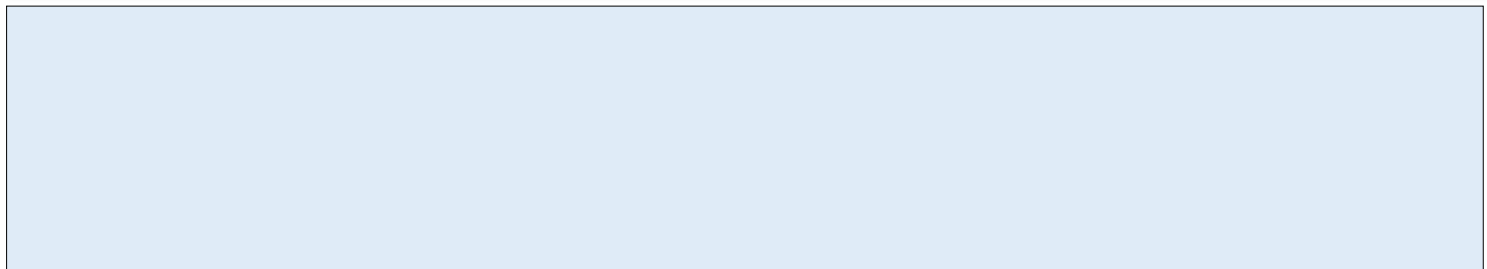
- **FRAME:** 14 gauge galvanized formed steel with welded corners.
- **BLADES:** 16 gauge galvanized steel with press formed reinforcements.
- **AXLES:** 1/2" diameter x 2" long plated steel rods.
- **BEARINGS:** 1/2" diameter self-lubricating porous bronze.
- **CONTROL ROD:** 1/2" X 9" long plated steel.
- **HARDWARE:** Plated steel center brackets, brass pivots, 1/4" or 5/16" diameter plated steel linkage rod.
- **FINISH:** Standard Mill.
- **MAX. TEMPERATURE:** 250°F.
- **MAXIMUM VELOCITY:** 2000 fpm.
- **MAX. SINGLE SECTION:** 48" X 72".
- **MINIMUM SIZE:** 8" x 10"

OPTIONS

- 06 Blade edge seals (Max. Temp. 200°F).
- 08 Spring stainless steel side seals.
- 09 Tack Weld Hardware.
- 11 Ball Bearings (Side seals not available).
- 12 Nylon Bearings (Bushings).
- 13 Stainless Steel Bearings (Bushings).
- 14 Stainless Steel Bearing Pins (Axles).
- 24 Right Angle Mixing Set-up, internal linkage.
- 25 Right Angle Mixing Set-up, external linkage.
- 26 Face & Bypass Set-up, vertical internal linkage.
- 27 Face & Bypass Set-up, vertical external linkage.
- 28 Face & Bypass Set-up, horizontal, internal linkage or jackshaft.
- 31 Flange, 1-1/2" built-in to damper frame (opposite linkage).
- 87 Stainless Steel Construction.
- 89 Sleeve.
- 90 Jackshaft.
- 92 Actuators.

NOTE:

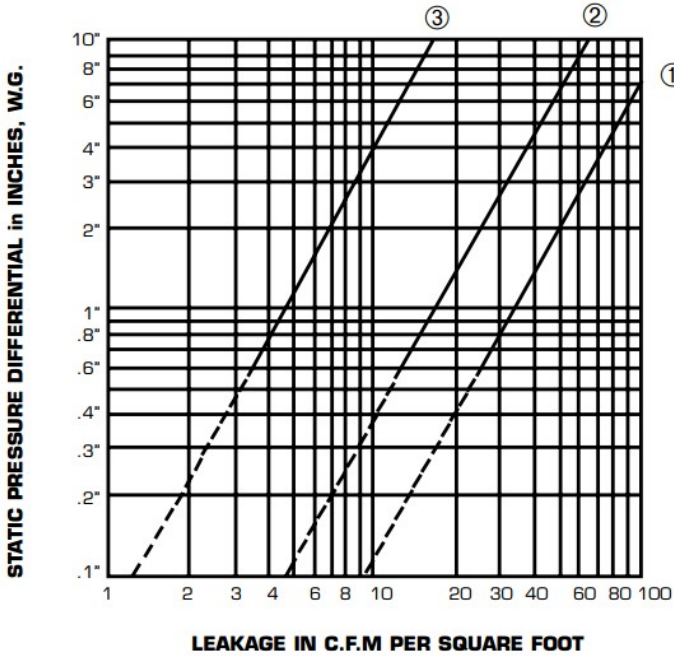
1. A and B are opening dimensions. Unless otherwise, specified louvers are made 1/4" undersize.





PERFORMANCE DATA
MODEL: 5102 & 5103
Multi-Blade Control Dampers

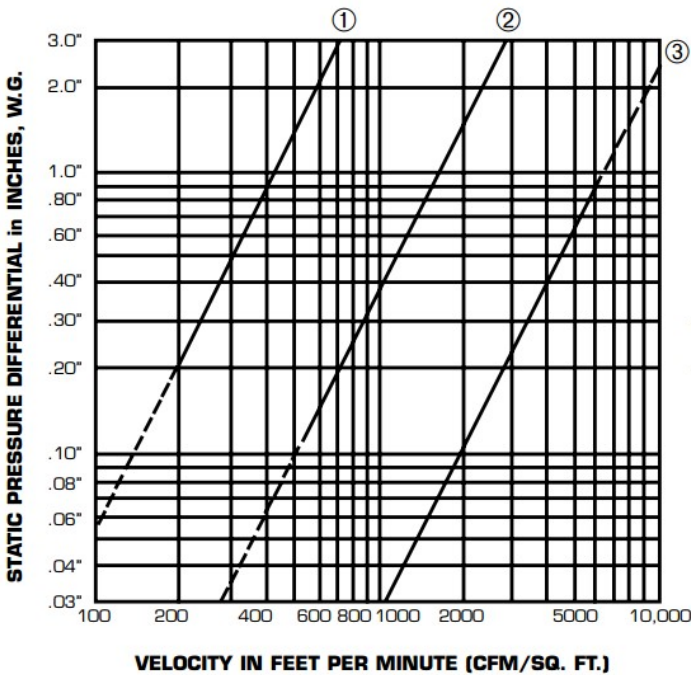
LEAKAGE CHART



- ① Standard opposed blade model 5103 without seals. Holding torque applied was 4-inch pounds per square foot of damper area. (Test size: 24" x 24").
- ② Standard opposed blade model with jamb seals only. Holding torque applied was 4-inch pounds per square foot of damper area. (Test size: 24" x 24").
- ③ Standard opposed blade model 5103 with jamb seals and foam type blade edge seals. Holding torque applied was 3-inch pounds per square foot of damper area. (Test size: 36" x 36").

This performance information is derived from testing in accordance with AMCA Standard 500; with test set-up per figure 5.6 and measurement apparatus set-up per figure 6.5 of this AMCA standard.

AIRFLOW CHART



- ① Airflow with damper 30° open. (Test size: 24" x 24").
- ② Airflow with damper 60° open. (Test size: 24" x 24").
- ③ Airflow with damper 90° (Full) open. (Test size: 24" x 24").

This performance information is derived from testing in accordance with AMCA Standard 500; with test set-up per figure 5.3 and measurement apparatus set-up per figure 6.5 of this AMCA standard.