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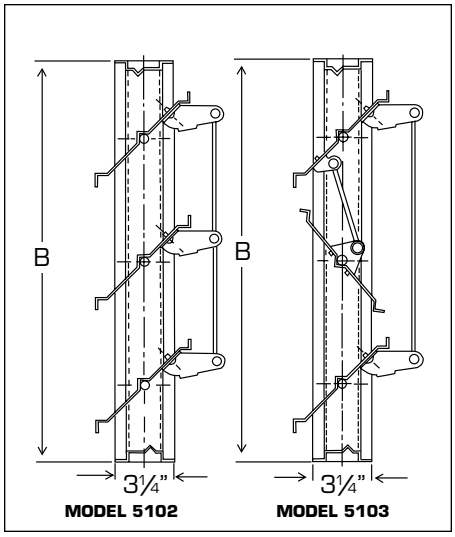
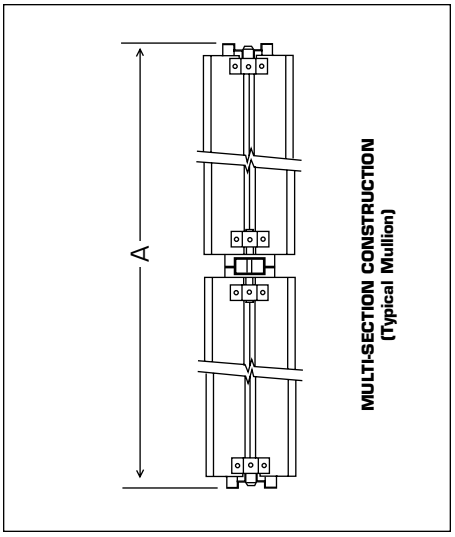
CERTIFICATION & SUBMITTAL
MODEL 5100
Multi-Blade Control Dampers





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:** Model 5101: 4" x 4"
  Model 5102: 8" x 10"
  Model 5103: 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, 1-1/4" fastened 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.
2. See Form No. 5101 for single blade control dampers.

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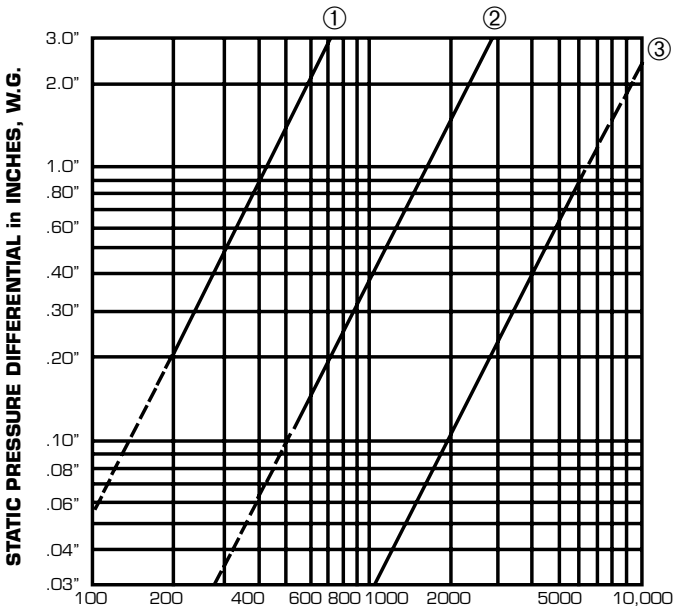
PERFORMANCE DATA
MODEL 5100
Multi-Blade Control Dampers

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.

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.

LEAKAGE CHART