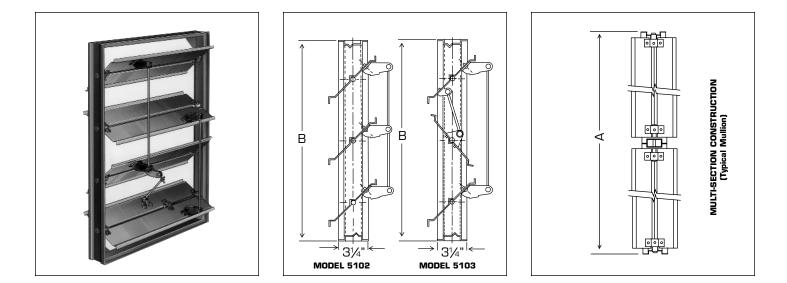


OPTIONS

CERTIFICATION & SUBMITTAL MODEL 5100 Multi-Blade Control Dampers

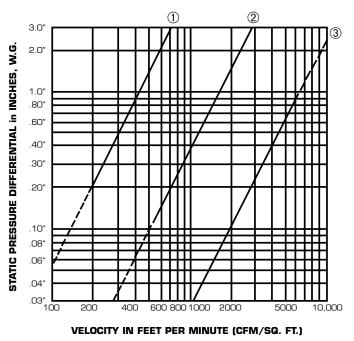


STANDARD SPECIFICATIONS

• FRAME:	14 gauge galvanized formed steel	06	Blade edge seals (Max. Temp. 200°F).
	with welded corners.	08	Spring stainless steel side seals.
BLADES:	16 gauge galvanized steel with	09	Tack Weld Hardware.
	press formed reinforcements.	—11	Ball Bearings (Side seals not available).
• AXLES:	1/2" diameter x 2" long plated steel rods.	—12	Nylon Bearings (Bushings).
BEARINGS:	1/2" diameter self-lubricating	—13	Stainless Steel Bearings (Bushings).
	porous bronze.	—14	Stainless Steel Bearing Pins (Axles).
CONTROL ROD:	1/2" X 9" long plated steel.	-24	Right Angle Mixing Set-up, internal linkage.
HARDWARE:	Plated steel center brackets,	25	Right Angle Mixing Set-up, external linkage.
	brass pivots, 1/4" or 5/16"	26	Face & Bypass Set-up, vertical internal linkage.
• FINISH:	diameter plated steel linkage rod. Standard Mill.	-27	Face & Bypass Set-up, vertical external linkage.
• MAX. TEMPERATURE:	250°F.		Face & Bypass Set-up, horizontal, internal linkage or jackshaft.
MAXIMUM VELOCITY:	2000 fpm.	—31	Flange, 1-1/4" fastened to damper frame (opposite linkage).
• MAX. SINGLE SECTION	•	87	Stainless Steel Construction.
MINIMUM SIZE:	Model 5101: 4" x 4"	—89	Sleeve.
	Model 5102: 8" x 10"	—90	Jackshaft.
	Model 5103: 8" x 10"	-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.

PERFORMANCE DATA MODEL 5100 Multi-Blade Control Dampers

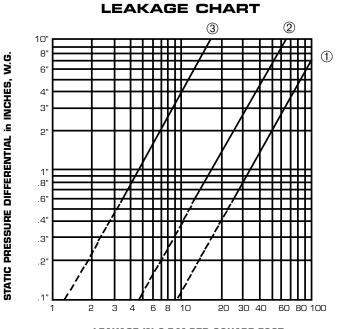


- AIRFLOW CHART
- ① Airflow with damper 30° open. (Test size: 24" x 24").
- 2 Airflow with damper 60° open. (Test size: 24" x 24").
- ③ Airflow with damper 90° (Full) open. (Test size: 24" x 24").

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 IN C.F.M PER SQUARE FOOT