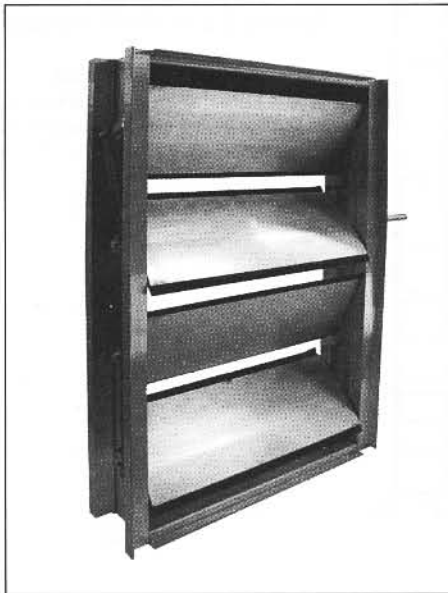
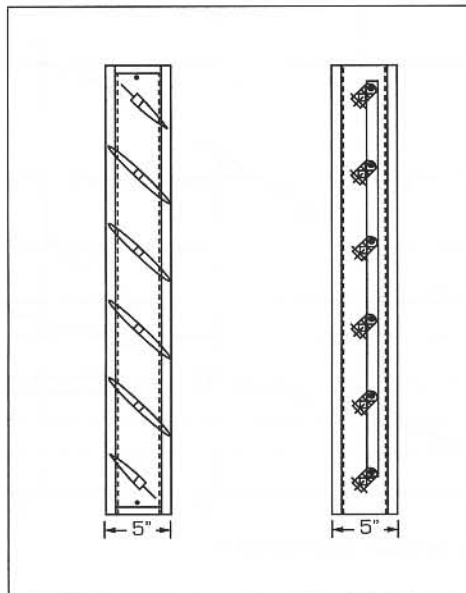




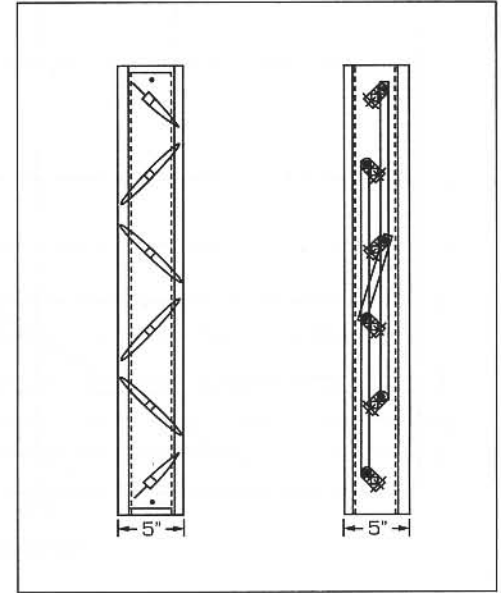
**CERTIFICATION & SUBMITTAL
MODEL 5950
AIRFOIL BLADE EXTERNAL LINKAGE**



MODEL 5953 Opposed Blade



MODEL 5952 Parallel Blade



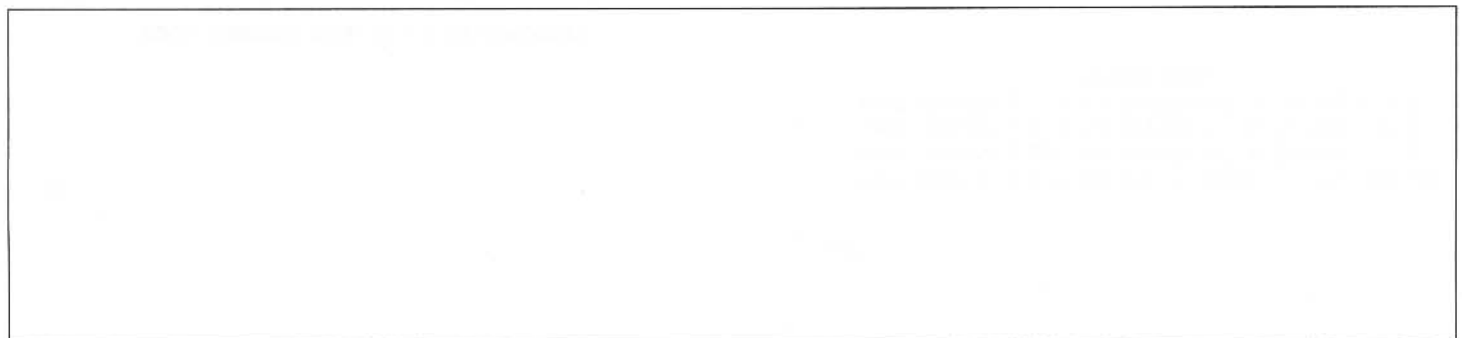
MODEL 5953 Opposed Blade

STANDARD SPECIFICATIONS

- **FRAME:** .125 6063T5 Extruded Aluminum
- **BLADES:** .080 6063T5 Extruded Aluminum
- **AXLES:** 1/2" dia. x 3" long plated steel rod
- **BEARINGS:** 1/2" diameter self-lubricating porous bronze
- **LINKAGE:** Out-of-airstream, 13 Gauge steel, flat bar, plated arms
- **BLADE EDGE SEALS:** Santoprene® Thermoplastic Rubber
- **SIDE SEALS:** Spring Stainless Steel
- **FINISH:** Standard Mill
- **MAX. TEMPERATURE:** 200°F
- **MAXIMUM VELOCITY:** 3000 FPM @ 4" W.G.

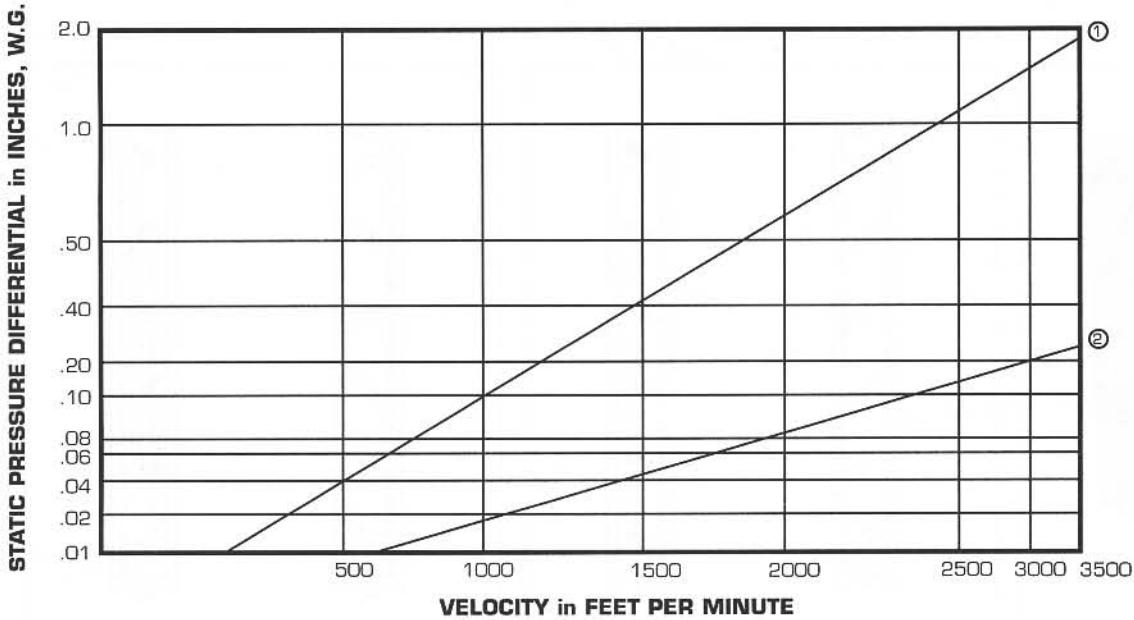
OPTIONS

- 07 Silicone Blade Seals
- 12 Nylon Bearings (Bushings)
- 13 Stainless Steel Bearings (Bushings)
- 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" Fastened to Damper Frame
- 89 Sleeve, Up to 16" deep, 12 Gauge Galvanized Steel, Specify
- 90 Jackshaft
- 92 Actuators



PERFORMANCE DATA MODEL 5950

AIR FLOW CHART



Test set-up per figure 5.3 (in-duct) and 5.5 (in wall) and measurement per figure of 6.5 of AMCA standard 500-89

TEST SIZES

1. 24"x24" full open Figure 5.5 (in wall).
2. 24"x24" full open Figure 5.3 (in duct).

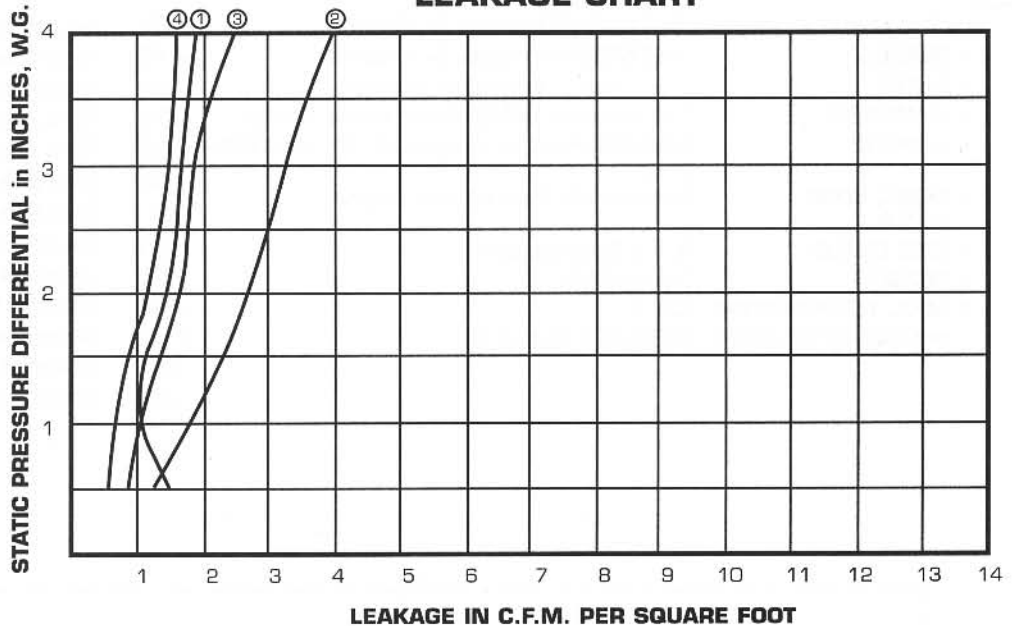
Holding torque applied was 4-inch pounds per square foot of damper area applied through external control arm to blade linkage. Test set-up per figure 5.5 and measurement apparatus set-up per figure 6.5 of AMCA Standard 500-89.

The performance information on Leakage Chart is derived from testing in accordance with AMCA Standard 500-89 with test set-up per figure 5.5 and measurement apparatus set-up per figure 6.5 of the AMCA Standard.

Air leakage is based on operation between 50° and 104° Standard Air Density 0.075 LB/FT.

This information is based on testing the following 4 dampers.

LEAKAGE CHART



TEST SIZES

1. 24"x24" holding torque applied 4in.lb/S.F. damper area.
2. 12"x48" holding torque applied 4in.lb/S.F. damper area.
3. 48"x12" holding torque applied 4in.lb/S.F. damper area.
4. 48"x48" holding torque applied 4in.lb/S.F. damper area.