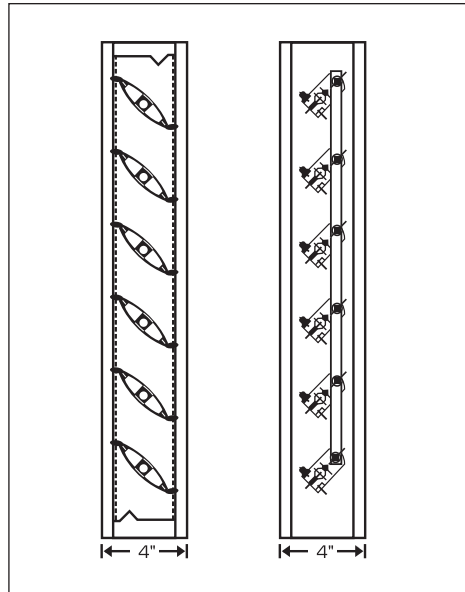




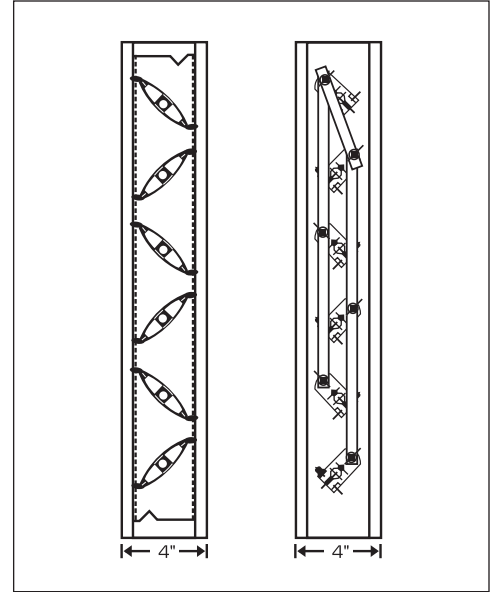
**CERTIFICATION & SUBMITTAL  
MODEL 5940  
AIRFOIL BLADE EXTERNAL LINKAGE  
4" DEEP THINLINE**



**MODEL 5943 Opposed Blade**



**MODEL 5942 Parallel Blade**



**MODEL 5943 Opposed Blade**

**STANDARD SPECIFICATIONS**

- **FRAME:** .080/.125 Fabricated Aluminum
- **BLADES:** .080 6063T5 Extruded Aluminum
- **AXLES:** 1/2" square to 1/2" dia. round x 2" long plated steel rod
- **BEARINGS:** 1/2" dia. 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.
- **MAXIMUM:** 48" x 72"
- **MINIMUM:** Model 5941: 6" x 6"  
Model 5942: 6" x 9"  
Model 5943: 6" x 9"

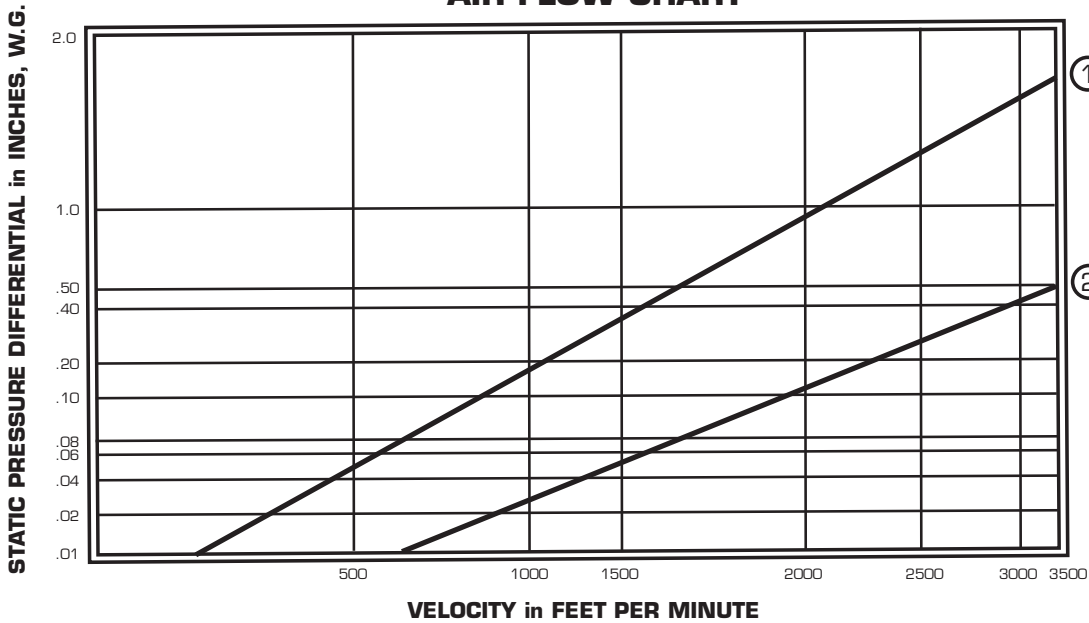
**OPTIONS**

- 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 (Opposite Linkage)
- 89 Sleeve, Up to 16" deep, 12 Gauge Galvanized Steel, Specify
- 90 Jackshaft
- 92 Actuators



# PERFORMANCE DATA MODEL 5940

## 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" x 24" full open Figure 5.5 (in wall)
2. 24" x 24" full open Figure 5.3 (in duct)

Holding torque applied was 5-inch pounds per square foot of damper area applied through external control arm to blade linkage. Test set up per Figure 5.4 and measurement apparatus set up per Figure 6.3 of AMCA Standard 500-89.

The performance information on the Leakage Chart is derived from testing in accordance with AMCA Standard 500-89 with test set up per Figure 5.4 and measurement apparatus set up per Figure 6.3 of the AMCA Standard.

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

This information is based on testing the following damper(s).

### TEST SIZES

1. 24" x 24" holding torque applied 5-inch pounds per square foot of area.

## LEAKAGE CHART

