

AF80, AF580, AF880, AF5880 Suggested Specification & Configuration
1. SERIES: (XXXXXX)

- AF80 - Single Deflection, 3/4" Spacing, Airfoil Grille, Aluminum Blades, Steel Frame
- AF580 - Single Deflection, 3/4" Spacing, Airfoil Grille, Aluminum Blades, Aluminum Frame
- AF880 - Double Deflection, 3/4" Spacing, Airfoil Grille, Aluminum Blades, Steel Frame
- AF5880 - Double Deflection, 3/4" Spacing, Airfoil Grille, Aluminum Blades, Aluminum Frame

2. PATTERN: (X)

- H - Horizontal Front Blades
- V - Vertical Front Blades

3. WIDTH: (XX) *

- 6" - 96" in 2" Increments

4. HEIGHT: (XX) *

- 6" - 96" in 2" Increments

5. FRAME: (XXX)

- F22 - Surface Mount

6. FASTENING METHOD: (XX)

- 00 - No Screw Holes
- 01 - Standard Screw Holes

7. DAMPER: (XX)

- 00 - No Damper
- 01 - Steel Opposed Blade Damper (Model OBD)
- 15 - Aluminum Opposed Blade Damper (Model 5OBD)

8. ACCESSORIES: (XX)

- 00 - No Accessories
- 01 - Plaster Frame

9. FINISH: (XX)

- 01 - Mill
- 10 - Alumican
- 35 - Black
- 44 - British White

* Maximum single piece unit is 48"x48".

AF80, AF580

The single deflection supply grille shall be Krueger Airfoil Series AF80 (steel frame) or AF580 (aluminum frame). This grille must have individually adjustable blades on 3/4" centers constructed of extruded aluminum formed to an airfoil shape (hollow blades are not acceptable). The blades shall extend through the side of the frame and shall be held in place with tension wire. The frame of the grille must be constructed of 20 gage steel (AF80) or extruded aluminum with minimum 0.040 - 0.050" thickness (AF580). This frame must also produce a border of 1 1/4" around all sides of the grille with mitered corners.

AF880, AF5880

The double deflection supply grille shall be Krueger Airfoil Series AF880 (steel frame) or AF5880 (aluminum frame). This grille must have individually adjustable blades on 3/4" centers constructed of extruded aluminum formed to an airfoil shape (hollow blades are not acceptable). The blades shall extend through the side of the frame and shall be held in place with tension wire. The frame of the grille must be constructed of 20 gage steel (AF880) or extruded aluminum with minimum 0.040 - 0.050" thickness (AF5880). This frame must also produce a border of 1 1/4" around all sides of the grille with mitered corners.

Optional damper shall be available made of heavy gage steel (OBD) or aluminum (5OBD) and operable from the face of the supply grille.

PERFORMANCE

The manufacturer shall provide published (printed or electronic) performance data for the diffuser. Performance data shall include 2 - 7 octave band sound power levels. The diffuser shall be tested in accordance to the data standards at the time of product introduction or ANSI/ASHRAE Standard 70.

FINISH

The paint finish shall be #44 British White and be an anodic acrylic paint, baked at 315°F for 30 minutes. The paint thickness shall be 0.8 - 1.0 mils, gloss at 60° per ASTM D523-89 of 50 - 85%, pencil hardness per ASTM D3363-92A of HB - H, crosshatch adhesion per ASTM D3359-83 of 4B - 5B, impact per ASTM D2794-93 of direct impact >100 in/lb and reverse impact >80 in/lb, salt spray per ASTM B117-9048 of 96 hours, humidity per ASTM D2247-92 of >500 hours and water soak per ASTM D870-92 of 250 hours.