

180, 5180, 180M, 5180M Suggested Specification & Configuration

180, 5180

The supply grille shall be a Krueger model 180 (steel) or 5180 (aluminum). This grille must have curved deflectors made of 24 gage steel (180) or .040" aluminum (5180) that are individually adjustable from the face allowing the volume and discharge angle of air to be adjusted. The grille shall be built in 1, 2, 3 and 4-way discharge air patterns. The frame of the grille must be constructed of 20 gage steel (180) or 0.051" aluminum (5180) and countersunk screw holes. This frame must also produce a border of 1 1/4" around all sides of the grille with mitered corners.

An optional opposed blade damper shall be constructed of heavy gage steel (OBD) or aluminum (5OBD) and be attachable to the neck of the grille. Damper must be operable from the face of the grille.

180M, 5180M (MULTI-LOUVERED ADJUSTABLE)

The supply grille shall be a Krueger model 180M (steel) or 5180M (aluminum). This grille must have curved deflectors made of 24 gage steel (180M) or .040" aluminum (5180M) that are individually adjustable from the face allowing the volume and discharge angle of air to be adjusted. The supply grille must also have a lever accessible at the face of the grille to adjust a set of rear gang operated blades. The grille shall be built in 1, 2, 3 and 4-way discharge air patterns. The frame of the grille must be constructed of 20 gage steel (180M) or 0.051" aluminum (5180M) and countersunk screw holes. This frame must also produce a border of 1 1/4" around all sides of the grille with mitered corners.

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.

1. SERIES: (XXXXX)

- 180 - Steel Curved Blade Grille
- 5180 - Aluminum Curved Blade Grille
- 180M - Steel Curved Blade Grille
with Multi-louver Operator
- 5180M - Aluminum Curved Blade Grille
with Multi-louver Operator

2. PATTERN: (XX)

- 01 - 1-Way
- 02 - 2-Way
- 03 - 3-Way
- 04 - 4-Way

3. WIDTH: (XX)

- 6" - 36" in 2" Increments

4. HEIGHT: (XX)

- 4" - 36" in 2" Increments

5. FRAME: (XXX)

- F22 - Surface Mount
- F23 - Lay-in T-Bar

6. PANEL: (XX)x(XX) *

- NONE
- 24"x24"
- 24"x48"

7. FASTENING METHOD: (XX)

- 00 - No Screw Holes
- 01 - Standard Screw Holes
- 02 - Concealed Mounting **

8. DAMPER: (XX) ***

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

9. ACCESSORIES: (XX)

- 00 - No Accessories
- 01 - Plaster Frame
- 02 - Square to Round Adapter

10. FINISH: (XX)

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

* Minimum of 4" difference required between neck and panel size.

** Concealed mounting not available with 180M or 5180M or with OBD.

*** Damper only available for models 180 and 5180.

SAMPLE CONFIGURATION: 5180 - 04 - 18x18 - F22 - NONE - 01 - 00 - 00 - 44