

5815 Suggested Specification & Configuration

- 1. SERIES: (XXXX)**
5815 - Multi-Deflection, Removable Core, Aluminum Supply Grille
- 2. PATTERN: (X) ***
H - Horizontal Front Blades
V - Vertical Front Blades
- 3. WIDTH: (XX)**
6" - 72" in 1" Increments
- 4. HEIGHT: (XX)**
4" - 36" in 1" Increments
- 5. FRAME: (XXX)**
F22 - Surface Mount
- 6. FRAME TYPE: (X)**
F - Flat Frame
- 7. FASTENING METHOD: (XX)**
00 - No Screw Holes
01 - Standard Screw Holes
- 8. DAMPER: (XX) ****
00 - No Damper
01 - Steel Opposed Blade Damper (Model OBD)
15 - Aluminum Opposed Blade Damper (Model 5OBD)
- 9. ACCESSORIES: (XX) *****
00 - None
IS - Insect Screen
DS - Debris Screen
- 10. FINISH: (XX)**
01 - Mill
10 - Alumican
35 - Black
44 - British White

Maximum single size unit is 72"x24".

* Pattern "V" not available with Height of 4" or 5".

** Damper not available with Insect or Debris Screen.

*** Insect and Debris Screen not available with widths greater than 48".

5815

The supply grille shall be a Krueger model 5815. This grille must have fixed extruded aluminum blades on 1/4" centers with a minimum thickness of 0.062". The core of the 5815 shall be assembled using mandrel construction. This core must be removable from the frame of the 5815 to allow the core to be flipped or rotated so one core can provide four different blade orientations: 5° up, 5° down, 15° up and 15° down. The grille shall also have a set of fully adjustable rear deflection blades spaced on 3/4" centers made of extruded aluminum. The frame of the grille must be constructed of extruded aluminum with nominal thickness 0.040 – 0.050". This frame must also produce a border of 1" around all sides of the grille and have a flat edge with mitered corner.

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.