

**6600FR (Fire Rated Supply) Suggested Specification & Configuration**

**6600FR**

The perforated face fire rated supply diffuser shall be Krueger model 6600FR. The diffuser must be UL classified fire rated ceiling diffuser assembly listed in Underwriters Laboratories Fire Resistance Directory. The diffuser shall be tested in accordance with UL 263 and must meet NFPA 90 requirements. The diffuser must be able to operate in 3-hour fire-rated, exposed grid suspended ceiling. The diffusers shall have a perforated face with 3/16" diameter holes on 1/4" centers resulting in a 51% free area. The diffuser backpan shall be constructed of heavy gage steel and provide a round neck.

The diffuser shall have four separate pattern deflectors mounted on the back of the perforated face and be field adjustable to provide vertical or 1, 2, 3, or 4-way horizontal projection of air in to the room. The perforated face must be easily removable from the backpan for access to the pattern deflectors for adjustments or removal and access to the damper.

**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: (XXXXXX)**  
6600FR - Round Neck, Steel Perforated Supply Diffuser with Face Mounted Deflectors, Fire Rated
- 2. PATTERN: (XX)**  
04 - 4-Way
- 3. DIMENSION 1: (XX)**  
6", 8", 10", 12", or 14"
- 4. FRAME: (XXX)**  
F23 - Lay-in T-Bar
- 5. PANEL: (XX)x(XX)**  
24"x24"
- 6. FINISH: (XX)**  
01 - Mill  
03 - Black Backpan with British White Face  
10 - Alumican  
35 - Black  
44 - British White



PERFORATED FACE DIFFUSERS

6600FR

**SAMPLE CONFIGURATION: 6600FR - 04 - 12 - F23 - 24x24 - 44**