

6200FR, 6290FR | Curved Blade, Fire Rated

**6200FR, 6290FR (Fire Rated Supply/Return) Suggested Specification & Configuration**

**6200FR**

The perforated face fire rated supply diffuser shall be Krueger model 6200FR. 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 three-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 square neck.

The diffuser shall have individually adjustable curved blade deflectors mounted at the neck of the diffuser. The curved blade deflectors shall allow 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 adjustable curved blades.

**6290FR**

The perforated face fire rated return diffuser shall be Krueger model 6290FR. 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 three-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 square neck.

The return diffuser shall match the Krueger model 6200FR diffuser in appearance. The perforated face must be easily removable from the backpan.

**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° 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)**  
6200FR - Perforated, Square Neck with Backpan Mounted Adjustable Curved Blades, Steel Fire Rated Supply Diffuser  
6290FR - Perforated, Square Neck, Steel Fire Rated Return
- 2. PATTERN: (XXX)**  
01 - 1-Way  
02 - 2-Way  
03 - 3-Way  
04 - 4-Way  
02C - 2-Way Corner  
90 - Return
- 3. WIDTH: SQUARE NECK ONLY (XX)**  
6" - 14" in 2" Increments
- 4. HEIGHT: SQUARE NECK ONLY (XX)**  
6" - 14" in 2" Increments
- 5. FRAME: (XXX)**  
F23 - Lay-in T-Bar
- 6. PANEL: (XX)x(XX)**  
24"x24"
- 7. FINISH: (XX)**  
01 - Mill  
10 - Alumican  
35 - Black  
44 - British White



PERFORATED FACE DIFFUSERS

6200FR - 6290FR

**SAMPLE CONFIGURATION: 6200FR - 04 - 14x14 - F23 - 24x24 - 44**