

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