

1400FR Suggested Specification & Configuration

1400FR

The drop cone, square face diffuser shall be Krueger model 1400FR (steel). 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 1400FR model shall be constructed of four precision die-stamped cones. The back cone shall have an integrally drawn neck for duct connections. Welded-in inlets and corner joints are not acceptable. The inner cone assembly shall be welded to the back cone. Diffusers shall be constructed of 22 gage steel.

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)**
1400FR - 4-Cone, Steel, Fire Rated Ceiling Diffuser
- 2. ROUND NECK: (XX)**
6", 8", 10", 12", 14", or 15"
- 3. FRAME: (XXX)**
F23 - Lay-in T-Bar
- 4. PANEL: (XX)x(XX)**
24"x24"
- 5. FINISH: (XX)**
44 - British White

LOUVERED FACE DIFFUSERS

1
4
0
0
F
R

SAMPLE CONFIGURATION: 1400FR - 10 - F23 - 24x24 - 44