

1400A, 51400A Suggested Specification & Configuration

1400A, 51400A

The drop cone, square face diffuser shall be Krueger model 1400A (steel, adjustable) or 51400A (aluminum, adjustable). The 1400A and 51400A models shall be constructed of four precision die-stamped cones. The back cone shall have an integrally drawn neck for duct connections on 24"x24" panel sized units. Fabricated collars are only acceptable on 12"x12" panel sized units. The inner cone assembly shall be welded to the back cone and have a hole with removable plug for easy optional damper adjustment. The inner cone assembly shall also include adjustable vanes to change the airflow from fully horizontal to fully vertical. The surface mount 1400A and 51400A shall ship with an auxiliary aluminum surface mounting frame for easy installation. Diffusers shall be constructed of 22 gage steel (1400A) or 0.040" aluminum (51400A) with integral earthquake tabs.

Optional round damper shall be constructed of heavy gage steel. Damper shall be operable from the face of the diffuser.

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)**
1400A - 4-Cone, Adjustable, Steel Ceiling Diffuser
51400A - 4-Cone, Adjustable, Aluminum Ceiling Diffuser
- 2. PATTERN: (XX)**
04 - 4-Way
- 3. ROUND NECK: (XX)**
6", 8", 10", 12", 14", or 15"
- 4. FRAME: (XXX)**
F22 - Surface Mount *
F23 - Lay-in T-Bar
F27 - Spline
F98 - Narrow-T
- 5. PANEL: (XX)x(XX)**
12"x12" **
24"x24"
- 6. ACCESSORIES: (XX)**
00 - No Accessories
IB - Insulated Blanket
R6 - Molded Insulation
- 7. FINISH: (XX)**
01 - Mill
10 - Alumican
35 - Black
44 - British White

*Round damper not included in configuration code.
* Frame 22 includes separate aluminum plaster frame shipped loose for field installation.
** Available in Frame 22 and 23 only.*