

6300, 6390 (Supply/Return) Suggested Specification & Configuration
1. SERIES: (XXXX)

- 6300 - Perforated, Prescored for Round Neck with Face Mounted Deflectors and Fiberglass Backpan, Steel Face Supply Diffuser
 6390 - Perforated, Prescored, Fiberglass Backpan, Steel Face Return Diffuser

2. PATTERN: (XX)

- 04 - 4-Way
 90 - Return

3. FRAME: (XXX)

- F23 - Lay-in T-Bar

4. PANEL: (XX)x(XX)

- 24"x24"

5. FINISH: (XX)

- 03 - Black Interior and Deflectors; British White Face

6300

The perforated face supply diffuser shall be Krueger model 6300 with a steel perforated face. 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 fiberglass with an R value of 4.2 and provide prescored cutouts for easy installation of the spin-in duct connector.

The diffuser shall have 4 separate pattern deflectors mounted on the back of the perforated face and be field adjustable (after spin-in is attached) to provide vertical or 1, 2, 3, or 4-way horizontal projection of air in to the room. The perforated face must be attached to the backpan and non-removable.

6390

The perforated face return diffuser shall be Krueger model 6390 with a steel perforated face. 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 fiberglass with an R value of 4.2 and provide prescored cutouts for easy installation of the spin-in duct connector.

The return diffuser shall match the Krueger model 6300 supply diffuser in appearance. The perforated face must be attached to the backpan and non-removable.

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 (on the perforated face only) 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.