

6200, 56200, 6290F (Supply/Filter Frame Return) Suggested Specification & Configuration
1. SERIES: (XXXXX)

- 6200 - Square Neck, Steel Perforated Supply Diffuser with Backpan Mounted Adjustable Curved Blades
- 56200 - Square Neck, Aluminum Perforated Face, Steel Backpan Supply Diffuser with Backpan Mounted Adjustable Curved Blades
- 6290F - Square Neck, Steel Perforated Filter Frame Return

2. PATTERN: (XXX)

- 01 - 1-Way
- 02 - 2-Way
- 03 - 3-Way
- 04 - 4-Way
- 02C - 2-Way Corner
- 90F - Steel Filter Frame Return

3. DIM 1 x DIM 2: (XX)x(XX) *

- 6"x6"
- 8"x8"
- 10"x10"
- 12"x12"
- 14"x14"
- 16"x16"
- 20"x20" (6290F Only)

4. FRAME: (XXX) **

- F20 - Surface Mount
- F23 - Lay-in T-Bar
- F27 - Spline
- F30 - Drop Face
- F98 - Narrow-T

5. PANEL: (XX)x(XX)

- 12"x12"
- 16"x16"
- 12"x24"
- 20"x20"
- 24"x24"
- 24"x48"

6. ACCESSORIES: (XX)

- 00 - None
- IB - Insulated Backpan

7. FINISH: (XX)

- 01 - Mill
- 03 - Black Backpan with British White Face
- 10 - Alumican
- 35 - Black
- 44 - British White

* See chart on page C1-13 for available neck sizes.

** When specifying 6290F, neck dimensions must be 20"x20" with 24"x24" panel and frames F20, F23, or F30.

6200, 56200

The perforated face supply diffuser shall be Krueger model 6200 (steel perforated face) or 56200 (aluminum 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 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 for adjustments and access to the damper.

Optional opposed-blade damper (OBD) shall be constructed of heavy gage steel. Damper shall be operable from the face of the diffuser.

6290F

The perforated face return diffuser shall be Krueger model 6290F (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 heavy gage steel and provide a square or neck. The unit must be able to accept a 20"x20"x1" filter.

The return diffuser shall match the Krueger model 6200 (steel perforated face) supply diffuser in appearance. The perforated face must be easily removable from the backpan for access to the filter (by others).

Optional opposed-blade damper (OBD) 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.