

6100, 56100, 6150, 56150 (Supply) Suggested Specification & Configuration
1. SERIES: (XXXXX)

- 6100 - One-piece Core Mounted to Backpan, Steel Perforated Face, Round Neck Supply Diffuser
- 6150 - One-piece Core Mounted to Backpan, Steel Perforated Face, Square Neck Supply Diffuser
- 56100 - One-piece Core Mounted to Backpan, Aluminum Perforated Face, Round Neck Supply Diffuser
- 56150 - One-piece Core Mounted to Backpan, Aluminum Perforated Face, Square Neck Supply Diffuser

2. PATTERN: (XX)

- SB - Standard Blow
- CB - Corner Blow

3A. (FOR 6100/56100 ONLY)
WIDTH: ROUND NECK ONLY (XX)

- 6" - 14" in 2" Increments or 15"

3B. (FOR 6150/56150 ONLY)
HEIGHT: SQUARE NECK ONLY (XX)x(XX)

- 6"x6"
- 8"x8"
- 10"x10"

4. FRAME: (XXX)

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

5. PANEL: (XX)x(XX)

- 24"x24"

6. FINISH: (XX)

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

NOTE: Damper not included in configuration code.

6100, 56100

The perforated face diffuser shall be Krueger model 6100 (steel perforated face) or 56100 (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 one piece stamped construction of heavy gage steel and have a round neck.

Diffusers must discharge in the horizontal plane of the room and provide protection against smudging. The diffuser shall have a self-centering stamped core that can easily rotate from a cross flow pattern to a corner flow pattern without need for repainting the interior of the backpan. The perforated face must be easily removable from the backpan for access to the core for rotation and blade adjustments or access to the damper.

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

6150, 56150

The perforated face diffuser shall be Krueger model 6150 (steel perforated face) or 56150 (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 one piece stamped construction of heavy gage steel and have a square neck.

Diffusers must discharge in the horizontal plane of the room and provide protection against smudging. The diffuser shall have a self-centering stamped core that can easily rotate from a cross flow pattern to a corner flow pattern without need for repainting the interior of the backpan. The perforated face must be easily removable from the backpan for access to the core for rotation and blade adjustments or 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.

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.