

**6400, 56400, 6490, 56490 (Supply/Return) Suggested Specification & Configuration -**
**1. SERIES: (XXXXX)**

- 6400 - Square Neck, Steel Perforated Supply Diffuser with Face Mounted Deflectors
- 56400 - Square Neck, Aluminum Perforated Face, Steel Backpan Supply Diffuser with Face Mounted Deflectors
- 6490 - Square Neck, Steel Perforated Return
- 56490 - Square Neck, Aluminum Perforated Face, Steel Backpan Return

**2. PATTERN: (XX)**

- 04 - 4-Way
- 90 - Return

**3. DIMENSION 1 x DIMENSION 2: (XX)x(XX) \***

|         |         |
|---------|---------|
| 6"x6"   | 6"x18"  |
| 8"x8"   | 10"x10" |
| 10"x22" | 12"x12" |
| 14"x14" | 15"x15" |
| 16"x16" | 18"x18" |
| 22"x22" | 22"x46" |

**4. FRAME: (XXX)**

- F20 - Surface Mount
- F23 - Lay-in T-Bar
- F30 - Drop Face
- F98 - Narrow-T \*

**5. PANEL: (XX)x(XX)**

|            |            |
|------------|------------|
| 12"x12"    | 12"x24"    |
| 16"x16" ** | 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

*Damper not included in configuration code.*

\* See chart on C1-53 for available neck sizes.

\*\* Models 56400/56490 not available in 16"x16" and 20"x20" panel sizes.

• Frame 98 only available with 24"x24" panel size.

**6400, 56400**

The perforated face supply diffuser shall be Krueger model 6400 (steel perforated face) or 56400 (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 four separate pattern deflectors mounted on the back of the perforated face and be field adjustable to provide 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 pattern deflectors for adjustments or removal 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.

**6490, 56490**

The perforated face return diffuser shall be Krueger model 6490 (steel perforated face) or 56490 (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 return diffuser shall match the Krueger model 6400 (steel perforated face) or 56400 (aluminum perforated face) supply diffuser in appearance. The perforated face must be easily removable from the backpan for 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°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.