

ENGINEERING SPECIFICATION & CONFIGURATION

1240P, 51240P

The modular core diffuser shall be Krueger model 1240P (steel) or 51240P (aluminum). The diffusers shall have a perforated face with 3/16" diameter holes on 1/4" centers resulting in a 51% free area. The perimeter of the perforated face and backpan shall be an aluminum extrusion resulting in an aesthetic appearance and a removable face. The 1240P and 51240P models shall have a tapered backpan resulting in a square neck. The core of the diffuser shall be made up of 4 independent fixed blade modules that can be easily removed without the use of special tools for 1-, 2-, 3-, or 4-way discharge air pattern adjustments or damper access.

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

1240PE

The modular core diffuser shall be Krueger model 1240PE. The diffusers shall have a steel perforated face with 3/16" diameter holes on 1/4" centers resulting in a 51% free area. The 1240PE shall have a steel one piece stamped backpan resulting in a square neck for neck sizes smaller than 16". For neck sizes 16" and larger the diffuser shall have a steel can construction resulting in a square neck. The core of the diffuser shall be made up of 4 independent fixed bladed modules that can be easily removed without the use of special tools for 1-, 2-, 3-, or 4-way discharge air pattern adjustments or damper access.

Optional oppose 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.

1. SERIES: (XXXXXX)

- 1240P - Double Border, Perforated Steel Modular Diffuser
- 51240P - Double Border, Perforated Aluminum Modular Diffuser
- 1240PE - Single Border, Perforated Steel Modular Diffuser

2. WIDTH: SQUARE NECK ONLY (XX) *

6" - 20" in 2" Increments

3. HEIGHT: SQUARE NECK ONLY (XX) *

6" - 20" in 2" Increments

4. FRAME: (XXX) **

- F22 - Surface Mount - Flat
- F23 - Lay-in T-Bar
- F29 - Camlock
- F30 - Drop Face ***
- F98 - Narrow-T ***

5. PANEL: (XX)x(XX)

NONE
24"x24"

6. FINISH: (XX)

- 01 - Mill
- 10 - Alumican
- 35 - Black
- 44 - British White

Damper not included in configuration code.

* Neck Size 20"x20" is only available with Frame 22.

** Series 1240PE is available in Frame 23 only; maximum neck size is 18"x18".

*** Series 1240P and 51240P are not available in Frame 30 or Frame 98.

SAMPLE CONFIGURATION: 1240P - 08x08 - F29 - 24X24 - 44