

SHPC, 5SHPC Suggested Specification & Configuration
1. SERIES: (XXXXX)

- SHPC - Square/Rectangular Neck with Pattern Controllers, Steel Ceiling Diffuser
- 5SHPC - Square/Rectangular Neck with Pattern Controllers, Aluminum Ceiling Diffuser

2. PATTERN: (XX)

- 01 - 1-Way
- 02 - 2-Way
- 03 - 3-Way
- 04 - 4-Way

3. WIDTH: (XX)

- 6" - 21" in 3" Increments

4. HEIGHT: (XX)

- 6" - 21" in 3" Increments

5. FRAME: (XXX) *

- F21 - Surface Mount, Beveled
- F22 - Surface Mount, Flat
- F23 - Lay-in T-Bar
- F24 - Snap-in T-Bar
- F27 - Spline
- F98 - 5/16" Step Down

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

- None
- 12"x12"
- 24"x24"
- 24"x48"

7. DAMPER: (XX)

- 00 - None
- 02 - OBDFA (Steel Damper)
- 18 - 5OBDFA (Aluminum Damper)

8. ACCESSORIES: (XX) (XX)

- 00 - None
- S - Square Straightening Grid
- T - Long Straightening Grid
- W - Short Straightening Grid

9. FINISH: (XX)

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

* If Frame 23, 24, 27, or 98 are specified, specify panel size.

** Reference page B1-60 for panel and neck size availability. Specify Panel 'None' if Frame 21 or 22 has been selected.

SHPC, 5SHPC

The ceiling diffuser shall be Krueger model SHPC (steel) or 5SHPC (aluminum) louver face with adjustable pattern controllers for horizontal or vertical discharge airflow. The pattern controllers shall be accessible from the face. These diffusers shall have a square or rectangular neck of the sizes and frame styles shown on the drawing or job schedule. The square or rectangular neck shall be an integral part of the backpan and a square-to-round adapter will be an available option to accommodate round duct connections. The diffuser shall have an easily removable core with fixed blades in 1, 2, 3, or 4-way configurations.

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.