

SHR, 5SHR Suggested Specification & Configuration

SHR, 5SHR

The ceiling diffuser shall be Krueger model SHR (steel) or 5SHR (aluminum) louver face for non-adjustable horizontal discharge airflow. These diffusers shall have a round neck of the sizes and frame styles shown on the drawings or job schedule. 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.

1. SERIES: (XXXX)

SHR - Round Neck, Steel Ceiling Diffuser
5SHR - Round Neck, Aluminum Ceiling Diffuser

2. PATTERN: (XX)

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

3. ROUND NECK: (XX)

6" - 16" in 2" Increments

4. SQUARE NECK: (XX)

If Round Neck =
6 - Select 6", 9", 12", 15", or 18"
8 - Select 9", 12", 15", or 18"
10 - Select 12", 15", or 18"
12 - Select 12", 15", or 18"
14 - Select 15" or 18"
16 - Select 18"

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"

7. DAMPER: (XX)

00 - None
03 - PR10
04 - PRD10
06 - PR12
08 - PRN100

8. ACCESSORIES: (XX)

00 - None
6 - R6 Insulation
R - Round 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 B1-71 for panel and neck size availability.
Specify Panel 'None' if Frame 21 or 22 has been selected.

SAMPLE CONFIGURATION: SHR - 04 - 10 - 18 - F98 - 24x24 - 08 - 00 - 44