

SHV, 5SHV Suggested Specification & Configuration**SHV, 5SHV**

The ceiling diffuser shall be Krueger model SHV (steel) or 5SHV (aluminum) louver face for non-adjustable horizontal discharge airflow. These diffusers shall have a square or rectangular neck of the sizes and frame styles shown on the drawings or job schedule. The square or rectangular neck shall be an integral part of the backpan. The diffuser shall have an easily removable core with fixed blades in 1, 2, 3, or 4-way configurations. Mixing vanes shall be attached to the core louver blades. These mixing vanes shall be at 45° deflection in opposite directions to the next corresponding core louver blade resulting in turbulent discharge airflow, causing high induction rates in the horizontal plane.

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)

SHV - Square/Rectangular Neck with Core Deflectors, Steel Ceiling Diffuser

5SHV - Square/Rectangular Neck with Core Deflectors, Aluminum Ceiling Diffuser

2. PATTERN: (XX)

01 - 1-Way

02 - 2-Way

03 - 3-Way

04 - 4-Way

3. WIDTH: (XX)

6" - 48" in 3" Increments *

4. HEIGHT: (XX)

6" - 48" 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: (XXXXXX)

00 - None

OBDSHV - Duct Mounted Damper

8. ACCESSORIES: (XX)

00 - No Accessories

M - MRI Construction

9. FINISH: (XX)

01 - Mill

10 - Alumican

35 - Black

44 - British White

* Maximum neck size for Model 5SHV is 36"x36".

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

*** Reference page B1-51 for panel and neck size availability. Specify Panel 'None' if Frame 21 or 22 has been selected.

SAMPLE CONFIGURATION: SHV - 02 - 15x15 - F23 - 24x24 - 00 - 44