

1900SQS, 1900SQSI, 1900SQR Suggested Specification & Configuration

1900SQS, 1900SQSI, 1900SQR

The architectural, square linear slot supply diffuser shall be Krueger model 1900SQS with 3/4" or 1" slot width of the sizes and frame styles shown on the drawings or job schedule. The 1900SQS shall be constructed of extruded aluminum and shall be available with 1 through 4 slots. The diffuser face shall require a ceiling tile provided by the ceiling contractor to match the ceiling system and fill out the face of the diffuser. The backpan shall be provided by the manufacturer and be constructed of 22 gage steel.

The pattern controllers for the 1900SQS diffuser shall be extruded aluminum and have an "inverted T" appearance after installation into the slot diffuser. "Clam Shell" or "Ice Tong" pattern controllers are not acceptable. The pattern deflectors shall be held in place by a blade holder constructed of spring steel and be removable from the linear diffuser without the use of special tools. The diffuser must be field adjustable for 1-way, 2-way, 3-way and 4-way horizontal discharge and vertical discharge.

Return models (1900SQR) of the architectural, square linear slot diffuser shall be made like the 1900SQS linear slot diffuser except without pattern controllers.

Optional internal insulation is available (1900SQSI) and shall be provided by the manufacturer.

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: (XXXXXXXX)**
 1900SQS - Square Supply Linear Slot Diffuser
 1900SQSI - Square Supply Linear Slot Diffuser with Insulation
 1900SQR - Square Return Linear Slot Diffuser
- 2. MODULE SIZE: (XX)x(XX)**
 24"x24"
- 3. NECK DIMENSION: (XX)**
 8" - 14" in 2" Increments
- 4. NUMBER OF SLOTS: (X)**
 1, 2, 3, or 4
- 5. SLOT WIDTH: (XX)**
 75 - 3/4"
 10 - 1"
- 6. FRAME STYLE: (XXX)**
 F23 - Lay-in T-Bar
 F98 - Narrow T-Bar Ceiling Mount
- 7. DAMPER: (XXXXXX)**
 PR10 - Neck Mounted Damper
 PRD10 - Duct Mounted Damper
 PRN100 - Neck Mounted Radial Fan Blade
- 8. ACCESSORIES: (XXXX)**
 00 - None
 PRSG - Round Straightening Grid
- 9. FINISH: (XX)**
 01 - Mill
 10 - Alumican
 35 - Black
 44 - British White

LINEAR SLOT DIFFUSERS

1
9
0
0
0
0

SAMPLE CONFIGURATION: 1900SQSI - 24x24 - 10 - 3 - 10 - F23 - PR10 - 00 - 44