

1900 Suggested Specification & Configuration**1900**

The linear slot supply diffuser shall be Krueger model 1900 with 1/2", 3/4", 1", 1 1/2", or 2" slot width of the sizes and frame styles shown on the drawings or job schedule. The 1900 shall be constructed of extruded aluminum with the maximum single length of 72". Units longer than 72" shall be provided in multiple sections and assembled with alignment strips or pins provided by the manufacturer yielding a continuous linear appearance. The linear diffuser shall be available with 1 through 8 slots for 1/2", 3/4" and 1" slot widths and 1 through 4 slots for 1 1/2" and 2" slot widths (unless otherwise expressed in notes below).

The pattern controllers for the linear diffuser shall be extruded aluminum and have an "inverted T" appearance after installation into the slot diffuser. The pattern deflectors shall be held in place by a spring clip constructed of spring steel and be removable from the linear diffuser without the use of special tools. The maximum length of the pattern controllers is 36". For any unit longer than 36", the pattern controllers shall be in multiple sections.

Return models of the linear slot diffuser shall be made like the 1900 linear slot diffuser except without pattern controllers.

Optional end caps or end plates shall be provided by the manufacturer for use on the 1900 linear slot diffuser.

Optional plenum boot shall be provided by the manufacturer for use on the 1900 linear slot diffuser.

Optional curving of linear slot diffusers to a minimum of 6' radius with fixed deflectors is available upon request.

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: (XXXX)**
1900 - Linear Slot Diffuser
- 2. LENGTH: (XXX.XX)**
12" - 999" in 1/8" Increments
- 3. NUMBER OF SLOTS: (X)**
1*, 2*, 3*, 4*, 5, 6, 7, or 8
- 4. DUCT DIAMETER FOR FRAME L: SPIRAL DUCT FRAME (XX) ****
Options based on number of slots and slot width.
See selection software.
- 5. SLOT WIDTH: (XX)**
50 - 1/2" Spacing
75 - 3/4" Spacing
10 - 1" Spacing
15 - 1 1/2" Spacing *
20 - 2" Spacing *
- 6. FRAME STYLE: (X)**
A - T-Bar Ceiling Mount
B - Surface Mount with Screw Fastening
C - Surface Mount with Concealed Fastening
D - Plaster Tile Mount with Concealed Fastening
E - Surface Mount with Sub-frame and Concealed Fastening
F - "Discrete" Plaster Mount with Concealed Fastening
I - Spline Ceiling
J - Surface Mount with No Screw Holes
K - Narrow-T Ceiling Mount
L - Spiral Duct Mount
- 7. END BORDER: (X)**
E - End Cap, Both Ends
B - Butt Cut
F - End Cap, One End
P - End Plate, Both Ends
Q - End Plate, One End
- 8. ACCESSORIES: (XX)**
00 - No Accessories
F - Blades
- 9. FINISH: (XX)**
01 - Mill
10 - Alumican
35 - Black
44 - British White

* Only four slots available when selecting slot width codes 15 or 20.

** Frame L is only available when selecting slot width code 75 or 10.

SAMPLE CONFIGURATION: 1900 - 48.25 - 3 - 00 - 10 - C - E - F - 44

1900 with TechZone™ Suggested Specification & Configuration
1. SERIES: (XXXX)

1900 - Linear Slot Diffuser

2. LENGTH: (XX)

24", 30", 36", 48", 60", 72"

3. NUMBER OF SLOTS: (X)

1, 2, 3, 4*

4. SLOT WIDTH: (XX)

75 - 3/4" Spacing

5. FRAME STYLE: (X)

N - TechZone™ Frame for 9/16" Narrow Tee Ceiling

S - TechZone™ Frame for Standard 15/16" Ceiling

6. END BORDER: (X)

E - End Cap, Both Ends (Frame S Only)

P - End Plate, Both Ends (Frames N & T Only)

7. ACCESSORIES: (X)

0 - No Accessories

F - Blades

8. FINISH: (XX)

01 - Mill

10 - Alumican

31 - Armstrong White

35 - Black

44 - British White

1900 for TechZone™ Ceiling System

The linear slot supply diffuser shall be Krueger model 1900 with a 3/4" width of the sizes and frame styles shown on the drawings or job schedule. The 1900 shall be constructed of extruded aluminum with the maximum single length of 72". The linear diffuser shall be available with 1 through 4 slots.

The pattern controllers for the linear diffuser shall be extruded aluminum and have an "inverted T" appearance after installation into the slot diffuser. The pattern deflectors shall be held in place by a spring clip constructed of spring steel and be removable from the linear diffuser without the use of special tools. The maximum length of the pattern controllers is 36". For any unit longer than 36", the pattern controllers shall be in multiple sections.

Return models of the linear slot diffuser shall be made like the 1900 linear slot diffuser except without pattern controllers.

Optional plenum boot shall be provided by the manufacturer for use on the 1900 linear slot 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.

NOTE: TechZone™ is a registered trademark of Armstrong®.