

**PTBT Suggested Specification & Configuration**

- 1. SERIES: (XXXX)**  
PTBT - Plenum Slot Diffuser with Fixed Blades
- 2. INSULATION: (X)**  
N - No Insulation  
Y - Insulation
- 3. SLOT LENGTH: (XX)**  
24", 36", 48", or 60"
- 4. NUMBER OF SLOTS: (X)**  
1, 2, 3, or 4
- 5. PLENUM INLET SIZE: (XX)**  
6", 8", or 10" Oval
- 6. SLOT CONFIGURATION: (XXX)**  
11R - 1 Slot, 1-Way, Right Inlet  
21R - 2 Slot, 1-Way, Right Inlet  
31R - 3 Slot, 1-Way, Right Inlet  
41R - 4 Slot, 1-Way, Right Inlet  
11L - 1 Slot, 1-Way, Left Inlet  
21L - 2 Slot, 1-Way, Left Inlet  
31L - 3 Slot, 1-Way, Left Inlet  
41L - 4 Slot, 1-Way, Left Inlet  
22 - 2 Slot, 2-Way  
32R - 3 Slot, 2-Way, Right Inlet  
32L - 3 Slot, 2-Way, Left Inlet  
42 - 4 Slot, 2-Way
- 7. MOUNTING TYPE: (XX)**  
00 - No Mounting  
PF - Plaster Frame  
CN - Center Notch
- 8. FINISH: (XX)**  
44 - British White

**PTBT**

The plenum slot supply diffuser shall be Krueger model PTBT consisting of extruded aluminum pattern deflectors and shall have 3/4" slot opening with 1, 2, 3 or 4 slots discharging in the direction specified. The PTBT shall have a fixed 1-way or 2-way pattern controller to discharge air horizontally along the ceiling. The PTBT shall have a removable plenum constructed of 24 gage galvanized steel with optional 1/4" thick, 2 lb. density internal insulation. The removable plenum will allow for field adjustment of inlet direction. The entire assembly shall not exceed 10" in height.

Optional plaster frame is available for installation in to hard ceilings.

**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.