

DPL, DPL2 Suggested Specification & Configuration

DPL

The industrial supply drum louver shall be a Krueger model DPL. The drum louver shall be constructed with extruded aluminum frame and corners that are mitered and reinforced with aluminum chevrons by full penetration welds. This frame shall have countersunk screw holes and form a 1 1/4" border around the drum louver. The vanes shall be a heavy gage extruded aluminum and fully adjustable. The drum shall be extruded aluminum and able to rotate a minimum of 25° up or down from the centerline of the drum louver. The drum shall be separated from the frame by utilizing felt gasketing material, which facilitates drum adjustment and minimizes vibration.

Optional heavy-duty damper shall be available made of heavy gage steel and operable from the face of the supply drum louver.

DPL2

The industrial supply drum louver shall be a Krueger model DPL2. The drum louver shall be constructed with extruded aluminum frame and corners that are mitered and reinforced with aluminum chevrons by full penetration welds. This frame shall have countersunk screw holes and form a 1 1/4" border around the drum louver. The vanes shall be a heavy gage extruded aluminum and fully adjustable. The DPL2 shall have a split vane that allows independent adjustment of the top and bottom blades. The drum shall be extruded aluminum and able to rotate a minimum of 25° up or down from the centerline of the drum louver. The drum shall be separated from the frame by utilizing felt gasketing material, which facilitates drum adjustment and minimizes vibration.

Optional heavy-duty damper shall be available made of heavy gage steel and operable from the face of the supply grille.

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)

- DPL - Drum Louver
- DPL2 - Drum Louver with Split Vanes

2. HEIGHT: (XX)

- 6", 10", 12", or 15"

3. WIDTH: (XX)

- If 6" Height: 9", 12", 18", 24", 30", 36", 48", 60"
- If 10" Height: 20", 25", 30", 35", 40", 50", 60", 70"
- If 12" Height: 20", 30", 40", 50", 60", 70"
- If 15" Height: 15", 20", 25", 30", 40", 50", 60", 70"

4. DAMPER: (XX)

- 00 - No Damper
- 01 - Heavy Duty Damper (Model DOBHD)

5. FINISH: (XX)

- 01 - Mill
- 10 - Alumican
- 35 - Black
- 44 - British White

SAMPLE CONFIGURATION: DPL - 12x40 - 01 - 35