

5000HF Suggested Specification & Configuration

- 1. SERIES: (XXXXXX)**
5000HF - Laminar Flow Panel with HEPA Filter Compatible Backpan
- 2. MATERIAL: (XX)**
03 - Aluminum Backpan and Face
05 - Stainless Steel Backpan and Face
- 3. INLET: (XX)**
8", 10", or 12"
- 4. FRAME STYLE: (XXX)**
F22 - Surface Mount
F23 - Lay-in T-Bar
- 5. PANEL: (XX)x(XX)**
24"x24"
24"x36"
48"x24"
- 6. FINISH: (XX)**
01 - Mill
10 - Alumican
35 - Black
44 - British White

HEPA filter provided by others.

5000HF

The non-aspirating, laminar flow diffuser designed to be fitted with a HEPA filter (by others) shall be a Krueger model 5000HF. The diffuser shall be of such a design to permit the HEPA filter to be removed from, or installed into, the backpan on an unobstructed path without the need to have access above the ceiling. The backpan shall also permit the seal on the HEPA filter to be the gel-pocket type.

The diffuser backpan shall be optimized and sized to provide correct airflow into the HEPA filter. The diffuser backpan shall have a hanger tab at all four corners to permit its attachment to the overhead structure.

The face of the diffuser shall be completely removable for sanitizing. The face shall be secured with quick turn fasteners and shall have safety cables to prevent its accidental removal.

The face of the diffuser shall have a free area not exceeding 15% to ensure true non-aspirating flow.

PERFORMANCE

The diffuser shall be tested in accordance with ANSI/ASHRAE Standard 70. The manufacturer shall be able to provide published performance data.

STANDARD FINISH

The paint finish shall be #44 British White, powder coat paint, baked at 425°F. The paint thickness shall be 2.0 – 3.0 mils, gloss at 60° per ASTM D523-89 of 60 – 70%, pencil hardness per ASTM D3363-92A of H – 2H, crosshatch adhesion per ASTM D3359-83 of 5B, salt spray per ASTM B117-9048 of 1000 hours, humidity per ASTM D2247-92 of 1000 hours and conical mandrel per ASTM D522 of 1/8" conical bend, no cracking shows.

ANTIMICROBIAL FINISH

The paint finish shall be powder coat paint, baked at 425°F. The paint thickness shall be 2.0 – 3.0 mils, gloss at 60° per ASTM D523-89 of 55 – 65%, pencil hardness per ASTM D3363-92A of H – 2H, crosshatch adhesion per ASTM D3359-83 of 5B, salt spray per ASTM B117-9048 of 1000 hours, humidity per ASTM D2247-92 of 1000 hours and conical mandrel per ASTM D522 of 1/8" conical bend, no cracking shows.