

Radiaflo™ 180° (5RF, 5RFHF, 9RF, 9RFHF) Suggested Specification & Configuration —
1. SERIES: (XXXXX)

- 5RF - Flush Face Critical Room Supply Diffuser, Aluminum Construction
- 5RFHF - Flush Face Critical Room Supply Diffuser with HEPA Filter Brackets and Backpan; Aluminum Construction
- 9RF - Flush Face Critical Room Supply Diffuser, Stainless Steel Construction
- 9RFHF - Flush Face Critical Room Supply Diffuser with HEPA Filter Brackets; Backpan and Face in Stainless Steel Construction Only

2. PATTERN: (XX)

- 02 - 180° or 2-Way Air Discharge

3. INLET SIZE: (XX)

- 08" - Uses 24"x24" Panel Size Only
- 10" - Uses 24"x24" & 48"x24" Panel Sizes
- 12" - Uses 48"x24" Panel Size Only

4. FRAME: (XXX)

- F22 - Surface Mount *
- F23 - Lay-in T-Bar

5. PANEL SIZE: (XX)x(XX)

- 24"x24"
- 48"x24"

6. BACKPAN CONSTRUCTION: (XX)

- 01 - Cold Rolled Steel
- 02 - Aluminum
- 03 - Stainless Steel

7. FINISH: (XX)

- 01 - Mill
- 07 - Enamel **
- 09 - Epoxy **
- 10 - Alumican
- 35 - Black
- 44 - British White
- 49 - Off White

* Frame 22 includes separate plaster frame, shipped loose for field installation (Model 5HCF23).

** Finish is to match color sample.

RADIAFLO™ (5RF, 5RFHF, 9RF, 9RFHF)

Provide where indicated on the drawings, a Krueger Model 5RF (aluminum) or 9RF (stainless steel) diffuser designed for non-aspirating, radial displacement. The diffuser face must be flush with the ceiling plane, incorporating a non-intrusive look, and distribute air in a 180° air pattern. The diffuser face shall incorporate a special geometric design that includes a velocity control chamber, pressure chamber, and directional control surfaces to achieve the desired 180° air pattern. The face of the Radiaflo™ shall be removable from the backpan by the use of 1/4 turn fasteners, even in lay-in ceiling applications. The backpan shall have a hanger tab at all four corners to permit attachment to overhead structure. The face of the Radiaflo™ shall be available in aluminum and stainless steel construction. The backpan shall be available in steel, aluminum, or stainless steel construction.

PERFORMANCE

The manufacturer shall provide published performance data for the diffuser. The diffuser shall be tested in accordance to the data standards at the time of product introduction or ANSI/ASHRAE Standard 70.

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.

Radiaflo™ 90° (5RF, 5RFHF, 9RF, 9RFHF) Suggested Specification & Configuration
RADIAFLO™ (5RF, 5RFHF, 9RF, 9RFHF)

Provide where indicated on the drawings, a Krueger Model 5RF (aluminum) or 9RF (stainless steel) diffuser designed for non-aspirating, radial displacement. The diffuser face must be flush with the ceiling plane, incorporating a non-intrusive look, and distribute air in a 90° air pattern. The diffuser face shall incorporate a special geometric design that includes a velocity control chamber, pressure chamber, and directional control surfaces to achieve the desired 90° air pattern. The face of the Radiaflo™ shall be removable from the backpan by the use of 1/4 turn fasteners, even in lay-in ceiling applications. The backpan shall have a hanger tab at all four corners to permit attachment to overhead structure. The face of the Radiaflo™ shall be available in aluminum and stainless steel construction. The backpan shall be available in steel, aluminum, or stainless steel construction.

PERFORMANCE

The manufacturer shall provide published performance data for the diffuser. The diffuser shall be tested in accordance to the data standards at the time of product introduction or ANSI/ASHRAE Standard 70.

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.

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2. PATTERN: (XX)

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3. INLET SIZE: (XX)

- 08" - Uses 24"x24" Panel Size Only
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- 12" - Uses 48"x24" Panel Size Only

4. FRAME: (XXX)

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- F23 - Lay-in T-Bar

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7. FINISH: (XX)

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SAMPLE CONFIGURATION: 9RF - 01 - 12 - F23 - 48x24 - 03 - 01