

Introduction: 5000, 5000HF

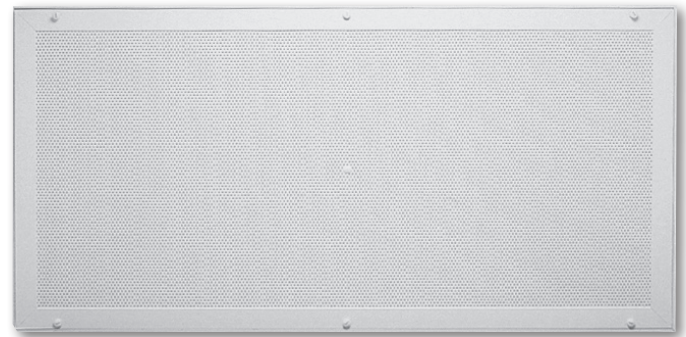
The Krueger 5000 series is a low velocity, non-aspirating, perforated distribution panel, which is ideal for use in restricted budget surgery areas, pharmaceutical manufacturing, industrial, electronic, aerospace, and other clean room applications.

The Krueger 5000 series is available in two frame styles: Frame 22 for surface mounting and Frame 23 for T-Bar applications. The variation in material options allows the designer a degree of flexibility never before available in perforated panel systems. Further, Krueger's 5000 is available in a large range of panel sizes. The various panel sizes allow for flexibility when incorporating panels into a ceiling layout containing other components, such as lighting, gas outlets, etc. This is especially desirable in the case where a clean work area is desired rather than an entire clean room.

The Krueger 5000 series has alleviated many of the problems encountered with perforated panel distribution. Issues that have been alleviated include the mass flow effect of cold air as well as problems distributing the air equally across the perforated face of the diffuser. Krueger engineering has helped resolve these issues by designing the Krueger 5000 with larger inlets and with multiple inlets on larger size panels avoiding the problem of unequal air distribution across the face of the panel.

When designing rooms using the Krueger 5000 series, it is advisable to group the panels as closely together as possible creating a solid mass of clean air delivered to the desired space. Wide separation of the panels creates conflicting airstreams from the separate groupings, which in turn creates turbulence and contamination problems.

While the Krueger 5000 panels have been used in hospital operating rooms and industrial clean rooms since 1960, we recommend that consideration be given to Krueger's Sterilflo System® for major operating rooms where conditions are critical. The Sterilflo System® has documented air cleanliness capabilities, both microbiological and particulate, and is installed in thousands of operating rooms throughout the world.



5000

MODEL

- 5000 - Laminar Flow Panel; Aluminum, Stainless Steel, and Cold Rolled Steel Construction
- 5000HF - Laminar Flow Panel with Gel Seal HEPA Filter Brackets, Aluminum and Stainless Steel Construction
- 5FILTER - HEPA Filter for 5000HF

5000 FEATURES

- Low velocity, non-aspirating.
- Quick opening (1/4 turn) fasteners permit complete removal of the face.
- Optional volume dampers available.
- Optional integral T5 lights available.
- Safety cables (2) prevent accidental dropping of face.
- Multiple perforated face panels included for large sizes.
- Button plug on perforated face is removable for adjustment of neck mounted damper.
- Standard finish depends on ordered options.
- Frame Styles: Surface mount (F22) and lay-in T-bar (F23).

5000HF FEATURES

- Low velocity, non-aspirating.
- Quick opening (1/4 turn) fasteners permit complete removal of the face.
- Fast, easy room-side HEPA filter removal.
- Optional integral T5 lights available.
- Safety cables (2) prevent accidental dropping of face.
- Available panel sizes are only 24"x24", 24"x36", and 24"x48".
- Frame Styles: Surface mount (F22) and lay-in T-bar (F23).