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Krueger Operating Room Air Distribution System - SterilFlo



SterilFlo System Description

The Krueger engineered system of specially designed laminar and perimeter panels that produce a tightly controlled air distribution pattern unaffected by the locations of lighting, gas columns and other interferences required at the ceiling. The system's design flexibility uniquely enables simplified design compliance with industry design standards AIA/FGI "Guidelines for Construction of Healthcare Facilities" and ASHRAE Standard 170-2008 "Ventilation of Healthcare Facilities". Thousands of Steriflo systems have been installed in operating rooms over the last 35 years.

SterilFlo System Capabilities

1. Maximize contaminant and particulate control around the operating table, thereby reducing infection risk related to airborne causes.
2. Comply with ASHRAE Standard 170-2008 Class B and C operating room supply air velocity and distribution requirements.
3. Class 1 Microbiologic Clean Air certification as defined by the Committee of Operating Room Environment of the American College of Surgeons.
4. Create a protective barrier of HEPA filtered air over the patient and surgical team and isolating room generated contaminants outside the critical area.
5. Reduce operating room cleaning and turnaround time by simplifying cleaning access to the air distribution system.
6. Maintains air pattern control despite interruptions in the laminar panel array required by lighting, gas columns and other utilities.
7. Provide comfort for the surgical team.
8. Simplify construction by easily adapting to virtually any room layout and integration with the operating room ceiling design, lighting and utilities.
9. Minimize construction costs by reducing ductwork while providing superior room conditions.
10. Maintain air distribution design intent without major redesign as operating room usage and technology evolve.
11. Simple integration with Krueger cleanroom gasketed T-Bar ceiling grid system

SterilFlo and all Krueger products are supported by their newly constructed Dallas, TX test laboratory and locally supported by Samuel Tepp's highly experienced engineers.

**For detailed application information contact Keith Miller, Samuel Tepp Associates, LLC
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