





Operating Room Laminar Air Flow (OT LAF)

In the of reducing air borne bacteria in operating theater's, LAF system provide a controlled distribution of biologically clean air at the operating table, while reducing the risk of contamination from outside the clean zone.



The following characteristics are standard of the LAF system.

- . Modular Construction. Compact size to minimize ventilation plant capacity.
- . Miniature high capacity low pressure loss HEPA Filter (99.99% min efficiency on 0.3 um particles.)
- . Gel filter sealing
- . Preforted stainless steel diffuser engineered to achieve the required air flow distribution.
- . Central duct for operating theater light stem.



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The following characteristics are optional for the LAF system.

- . 120 MM HC Miniplate HEPA Filters.
- . ULPA Filter (99.9995% min efficiency on 0.12um particles.)
- . Integrated premeter lighting.
- . Integrated return air grill.
- . Differential pressure gauge for HEPA Filter condition monitoring.
- . Customized design can be implemented for specific project work.



The following minimum standard apply to the LAF system.

- . A maximum of 0.5 bacteria - carrying particles per cubic meter of air issuing from the final filters.
- . Less than 10 bacteria - carrying particles per cubic meter of air within 300MM of the wound.
- . Less than 20 bacteria - carrying particles per cubic meter of air in the 1.9M X 1.9M working area at the table height. (Contamination of instruments and material within the sterile field will lead to wound contamination.)
- . The system provides a controlled distribution of ultra clean air vertically downward and outwards.)

Documentation

All necessary documents will be provided as per the latest prevailing standards.

