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LAMINAR AIR FLOW



Concept:

Laminar air flow is referred to as a system that provides continuous air flow that is uniform in both direction and velocity. Laminar air flow cabinets facilitate unidirectional air flow in a confined space. They create the particulate-free working area by emitting air through a filtration system and exhausting it across the work surface.

They are enclosures designed to flow HEPA-filtered air with uniform velocity and direction. Due to this unidirectional airflow, a sterile environment is maintained while preventing cross-contamination.

Vertical laminar airflow: Being the more common type, here the air flows from top to bottom. The blower and the filters are staged on top of the device. From the enclosure's front, the air flows out after hitting the work surface.

GST.NO - 27AMOPG3111E1ZG / MSEM REG.NO- UDYAM-MH-33-0004942



Gala No. 3055, Bhandup Industrial Estate,
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Technical Specifications:

Name of the Equipment	Thermotek Laminar Air Flow
Work Table	Stainless Steel (304)
Construction	STD : working surface stainless steel other construction mild steel powder coated. Side wall transferent acrylic GMP : working surface & other construction made by stainless steel. Side wall transferent acrylic
stand	Separate fix stand Max height 650 mm
Filter Type	HEPA filter
Efficiency	99.99%
Particle Retention	0.3 Micron
Cleanliness	Class 100
Air flow velocity	0.3 – 0.5 m/s
Illumination of work surface	Fluorescent tube light High intensity, low wattage >800 lux
Blower-motor assembly	Dynamically balanced
Door	Foldable acrylic
Noise level	65 decibels
Static pressure measurement	Magnehelic Gauge (0 to 25 MMW)
Pre Filter	Disposable, Non washable polyester fiber
Ultra violet tube light	1,2,3 feet, 8-30 Watt - PHILIPS - HOLLAND make - 1 No. top mount
Power	Works on 230 V AC single phase 50Hz.

Ordering Information for Thermotek Laminar Air Flow:

Cat. No. For STD Model	Cat. No. For GMP Model	Chamber Size: (WxDxH) in ft	Air Flow
LAF-MS-0002	LAF-SS-0002	2x2x2 ft,	Vertical
LAF-MS-0003	LAF-SS-0003	3x2x2 ft,	Vertical
LAF-MS-0004	LAF-SS-0004	4x2x2 ft,	Vertical

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