

Biological Safety Cabinet

Safe Working Environmental

BSC Class III-500 Series

LuxMed® Biological Safety Cabinet Class III-500

Series provides a physical barrier **LuxMed® Air Flow Sensor** between biological agents and personnel. It is designed to work with level 4 pathogens. It involves a gas tight chamber with complete negative pressure inside and pair of gloves in operation area which prevents direct contact with the hazardous materials.

The airflow is maintained by a dedicated exterior exhaust system.



Features

- Two-layered marinated toughened glass ($\geq 5\text{mm}$) motorized front window.
- Remote control operation including front sash movement and fan speed control.
- Motored front window with timer function.
- Front window is completely sealed with ≥ 8 thickness.
- Digital LCD display for easy monitoring of all parameters.
- Emission of 253.7 nm for highly efficient decontamination.
- Foot switch to adjust the height of the front window.
- Stainless Steel 304 table for operation.
- Low noise and high energy efficiency for operational cost savings.
- Audio and visual alarm for filter replacement, front window over height and abnormal airflow.

Application

LuxMed® Biological Safety Cabinet Class III-500 Series are widely used in different areas like handling of carcinogen chemicals, hazardous materials, studying of diseases and for extra protection against high risk of infectious agents.

Specification

Model	LMBSF-501	LMBSF-502
Type	Class III	
Chamber Material	Epoxy coated cold-rolled steel	
Air Flow System	0% Air Recirculation, 100% Air Exhaust	
Air Velocity	More than 355 cfm	
Prefilter	Washable	
Negative Work Zone Pressure	-274 Pa	
Main Filter	Air Supply Filter: ULPA filter 99.999% efficient (0.1-0.3 μm) First Exhaust Filter: ULPA filter 99.999% efficient (0.1-0.3 μm) Second Exhaust Filter: ULPA filter 99.999% efficient (0.1-0.3 μm)	
Noise Level	≤ 65 dB	
Display	LCD	
Lighting	≥ 800 lux	
Pass Box Size	390x380x330 mm 480 x400 x400 mm	400x390x340 mm 480x400x400 mm
Standard Accessory	Fluorescent Lamp, UV Lampx4, Pressure Meter, Remote Control, Drain Valve, Gloves	
Inner Dimension (W x D x H)	750x560x600 mm	1240x650x650 mm
Overall Dimension (W x D x H)	1100x800x1600 mm	1340x850x2100 mm
Power Supply	230V /240V, 50 Hz/60 Hz	

M: +91 8130383561, 9350831213 | E: cto@luxmed.in

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