

Biological Safety Cabinet

Safe Working Environmental

↓ **BIOLOGICAL SAFETY CABINET CLASS II-400 SERIES**

Biological Safety Cabinet Class II Type B2



↓ **APPLICATION**

LuxMed[®] Biological Safety Cabinet Class II is designed to meet diverse applications in life science, clinical, microbiology, genetics, plant and animal cell culture, molecular biology, pharmaceutical and industrial laboratory.



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BIOLOGICAL SAFETY CABINET CLASS II-400 SERIES

LuxMed® Biological Safety Cabinet Class II Type B2 LMBSF-400 Series is designed with inward air flow velocity (0.55m/s) for personnel protection, HEPA-filtered laminar airflow for product protection and HEPA-filtered exhausted air for environmental protection. It is suitable for microbiological research in the absence of volatile or toxic chemicals and radionuclide, since air is recirculated within the work area.



FEATURES

Biological Safety Cabinet Class II Type B2

- ▶ Two-layered marinated toughened glass (≥5mm) motorized front window
- ▶ Negative air pressure provides personnel protection by constant movement of air in working area
- ▶ Remote control operation including front sash movement and fan speed control
- ▶ Motored front window with timer function
- ▶ Digital LCD display for easy monitoring of all parameters
- ▶ Collecting tank (4000 ml) collects spatters of working area without any leakage
- ▶ Intrinsic sterilization is achieved after activating cabinet for 30 min via UV timing
- ▶ Air drawn into the cabinet through air grill
- ▶ Filter Life Indicator: Pressure value displayed to show life utility of main filter
- ▶ 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
- ▶ Optional:
 - ▶ Airflow Tester
 - ▶ Infrared Sterilizer
 - ▶ Formalin Fumigation Sterilizer
 - ▶ Armrest



APPLICATION

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

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BIOLOGICAL SAFETY CABINET CLASS II-400 SERIES

SPECIFICATION

Biological Safety Cabinet Class II Type B2

Model	LMBSF-401	LMBSF-402	LMBSF-403	LMBSF-404
Type	Class II, Type B2			
Chamber Material	Cold-rolled steel coated with anti-bacteria powder coating			
HEPA Filter	2			
HEPA Filter Efficiency	99.999% efficiency at 0.3 µm			
Air Flow System	0% Air Recirculation, 100% Air Exhaust			
Inflow Air Velocity	0.53 ± 0.025 m/s (105 lfpm)			
Down Flow Air Velocity	0.33 ± 0.025 m/s (70 lfpm)			
Minimum Face Velocity	75 linear feet per minute (lfpm)			
Inflow Air Flow Volume(m ³ /h)	359	420	515	637
Down Flow Air Flow Volume(m ³ /h)	516	772	771	949
Exhaust Air Flow Volume(m ³ /h)	875	1192	1286	1586
Tested Opening	Safety Height ≤ 200 mm			
Clean Level	100			
Max Opening	400 mm			
Noise Level	≤ 58dB(A) - ≤65dB(A)			
Illumination	≥1000 Lux			
UV Lamp	20Wx1		30Wx1	40Wx1
Fluorescent Lamp	21Wx1		28Wx1	35Wx2
Display	VFD	LCD	VFD	
Control System	Microprocessor			
Work Surface Height	750 mm			
Front Window	Motorized			
Water & Gas Tap	Water Tapx1, Gas Tapx1			
Filter Guard Type	Aluminium Alloy Frame			
Ground Resistance	<0.1Ω			
Caster	Universal Wheel with brake and levelling feet			
Standard Accessory	Fluorescent Lamp, UV Lampx2, Remote Control, Foot Switch, Exhaust Blower (4 meter PVC Duct, 300mm Diameter), Exhaust Duct, Drain Valve, Waterproof Sockets, Base Stand			
Inner Dimension (W x D x H)	940×600×660 mm	1100×600×660 mm	1350×600×620 mm	1600×670×630 mm
Overall Dimension (W x D x H)	1100×750×2250 mm	1300×850×2200 mm	1500×760×2250 mm	1800×840×2275 mm
Power	1050 W	1350 W	1550 W	1900 W
Power Supply	230V/240V, 50Hz/60Hz			
Weight	350 kg	360 kg	440 kg	470 kg



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Cleanroom and Biological safety product and services



Ceiling Laminar Air flow (CLAF)



Biological Safety Cabinet



Static Pass Box



Sterile Garment Cabinet

Dynamic Pass Box



Laminar Flow Cabinet



Fume Hood



Air Shower



Sampling / Dispensing Booth

MADE IN INDIA

M: +91 8130383561,
9350831213

E: cto@luxmed.in

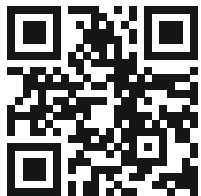
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