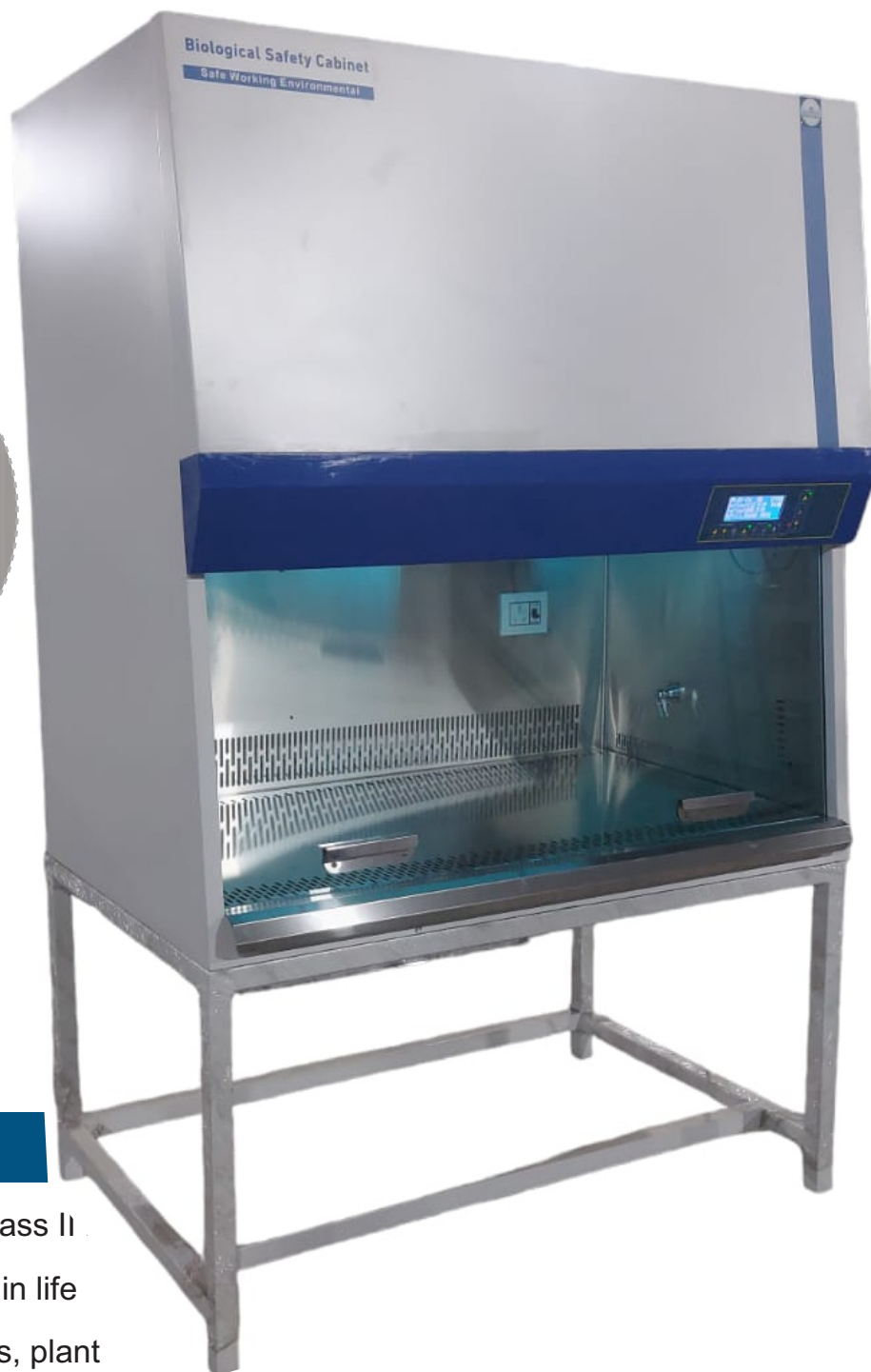


Biological Safety Cabinet

Safe Working Environmental

BIOLOGICAL SAFETY CABINET CLASS II-200 SERIES

Biological Safety Cabinet Class II Type A2



APPLICATION

LuxMed® Biological Safety Cabinet Class II 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

Safe Working Environmental



BIOLOGICAL SAFETY CABINET CLASS II-200 SERIES

LuxMed® Biological Safety Cabinet Class II Type A2 LMBSF-200 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

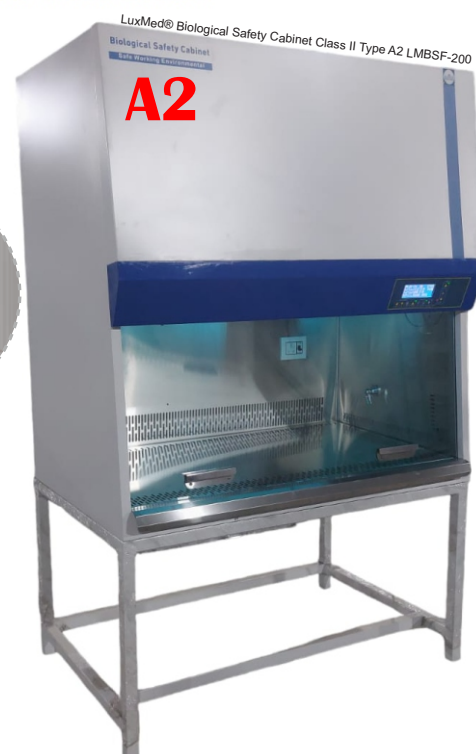
Biological Safety Cabinet Class II Type A2

- ▶ 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
- ▶ Emission of 253.7 nm for highly efficient decontamination
- ▶ Foot switch to adjust the height of the front window
- ▶ 2 waterproof sockets located in side panel
- ▶ Air speed adjustable by control panel. Air drawn into the cabinet through air grill.
- ▶ 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
- ▶ Blower with Double Suction Capacity, Ranges From 2500-2700 m³/h
- ▶ Filter Life Indicator: Pressure value displayed to show life utility of main filter
- ▶ Stainless Steel 304 table for operation
- ▶ Low noise and high energy efficiency for operational cost savings
- ▶ Interlock function: UV lamp and front window, UV lamp and blower, fluorescent lamp, blower and front window
- ▶ Audio and visual alarm for filter replacement, front window over height and abnormal airflow
- ▶ Optional:
 - ▶ Airflow Tester
 - ▶ Infrared Sterilizer
 - ▶ Formalin Fumigation Sterilizer
 - ▶ Armrest



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.



Biological Safety Cabinet

Safe Working Environmental

BIOLOGICAL SAFETY CABINET CLASS II-200 SERIES

SPECIFICATION

Biological Safety Cabinet Class II Type A2

Model	LMBSF-201	LMBSF-202	LMBSF-203	LMBSF-204	LMBSF-205
Type	Class II, Type A2				
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	70% Air Recirculation, 30% 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)				
Inflow Air Flow Volume (m³/h)	359	420	515	653	687
Down Flow Air Flow Volume (m³/h)	516	772	717	949	1042
Exhaust Air Flow Volume (m³/h)	359	420	515	653	687
Minimum Face Velocity	75 linear feet per minute (lfpm)				
Clean Level	100				
Tested Opening	Safety Height ≤ 200 mm				
Max Opening	400 mm				
Noise Level	≤ 58dB(A) - ≤65dB(A)				
Illumination	800 Lux				1200 Lux
UV Lamp	30Wx1		40Wx1	40Wx2	40Wx1
Fluorescent Lamp	21Wx2		28Wx2	40Wx2	40Wx1
Display	VFD			LCD	
Control System	Microprocessor				
Work Surface Height	750 mm				
Water & Gas Tap	Water Tapx1, Gas Tapx1 (Optional)				
Filter Guard Type	Aluminium Alloy Frame				
Caster	Universal Wheel with brake and levelling feet				
Ground Resistance	<0.1Ω				
Standard Accessory	Fluorescent Lamp, UV Lampx2, Remote Control, Foot Switch, Drain Valve, Waterproof Sockets, Base Stand				
Inner Dimension (W x D x H) mm	940×600×660	1150×600×660	1350×600×660	1710×600×660	1800×600×660
Overall Dimension (W x D x H) mm	1100×750×2250	1300×850×2250	1500×750×2250	1870×750×2290	1950×800×2305
Power	760 W	800 W	900 W	900 W	1500 W
Power Supply	230V/240V, 50Hz/60Hz				
Weight	243 kg	280 kg	316 kg	395 kg	420 kg

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Biological Safety Cabinet

Safe Working Environmental

BIOLOGICAL SAFETY CABINET CLASS II-300 SERIES

LuxMed® Biological Safety Cabinet Class II Type A2 LMBSF-300 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 A2

- ▶ 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
- ▶ Vacuum fluorescent display (VFD) display demonstrates various colors and can work continuously for 30,000 h (LMBSF-305)
- ▶ Emission of 253.7 nm for highly efficient decontamination
- ▶ Foot switch to adjust the height of the front window
- ▶ Centrifugal fan speed adjustable: H14 HEPA filter
- ▶ 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
- ▶ 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:
 - ▶ Base stand
 - ▶ Ammonium Hydrogen Carbonate Neutralizer
 - ▶ Airflow Tester
 - ▶ Infrared Sterilizer
 - ▶ Formalin Fumigation Sterilizer
 - ▶ Armrest



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.



Biological Safety Cabinet

Safe Working Environmental

BIOLOGICAL SAFETY CABINET CLASS II-300 SERIES

SPECIFICATION

Biological Safety Cabinet Class II Type A2

Model		LMBSF-301	LMBSF-302	LMBSF-303
Type		Class II, Type A2		
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		70% Air Recirculation, 30% 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)		
Air Flow Volume (m ³ /h)	Inflow	229	458	458
	Down Flow	311	628	663
	Exhaust	229	458	458
Minimum Face Velocity		75 linear feet per minute (lfpm)		
Clean Level		Class 100		
Tested Opening		Safety Height ≤ 200 mm		
Max Opening		400 mm		480 mm
Noise Level		≤ 60dB(A)	≤ 61dB(A)	≤ 58dB(A) - ≤ 65dB(A)
Illumination		≥ 800 Lux	≥ 1000 Lux	
UV Lamp		18Wx1	30Wx1	
Fluorescent Lamp		14Wx1	40Wx1	14Wx1
Display		LCD		
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		<0.10Ω		
Caster		Yes	Universal Wheel with brake and levelling feet	None
Standard Accessory		Fluorescent Lamp, UV Lampx2, Remote Control, Drain Valve, Waterproof Sockets	Fluorescent Lamp, UV Lampx2, Remote Control, Foot Switch, Drain Valve, Waterproof Sockets, Base Stand	Fluorescent Lamp, Remote Control, Drain Valve, Waterproof Socketsx4, Base Stand
Inner Dimension (W x D x H)		600x500x540 mm	1380x750x2290 mm	1300x790x2310 mm
Overall Dimension (W x D x H)		700x650x1230 mm	1220x600x660 mm	1200x600x770 mm
Power		500 W	600 W	430 W
Power Supply		230V/240V, 50Hz/60Hz		
Weight		110 kg	310 kg	300 kg



Biological Safety Cabinet

Safe Working Environmental

BIOLOGICAL SAFETY CABINET CLASS II-300 SERIES

SPECIFICATION

Biological Safety Cabinet Class II Type A2

Model	LMBSF-304	LMBSF-305	LMBSF-306	LMBSF-307	
Type	Class II, Type A2				
Chamber Material	Cold-rolled steel coated with anti-bacteria powder coating				
HEPA Filter	2			ULPA Filter (2)	
HEPA Filter Efficiency	99.999% efficiency at 0.3 µm			99.999% efficiency at 0.1~0.2 µm	
Air Flow System	70% Air Recirculation, 30% Air Exhaust				
Inflow Air Velocity	0.53 ± 0.025 m/s (105 lfpm)			0.46 m/s ± 0.025 m/s	
Down Flow Air Velocity	0.33 ± 0.025 m/s (70 lfpm)				
Air Flow Volume (m³/h)	Inflow	349	466	649	466
	Down Flow	519	828	949	678
	Exhaust	349	466	649	466
Minimum Face Velocity	75 linear feet per minute (lfpm)				
Clean Level	Class 100				
Tested Opening	Safety Height ≤ 200 mm				
Max Opening	450 mm			400 mm	
Noise Level	≤ 58dB(A) - ≤ 65dB(A)			≤ 60dB(A)	
Illumination	≥ 850 Lux			≥ 1000 Lux	
UV Lamp	18Wx1, 40Wx1	30Wx1	18Wx1, 40Wx1	30Wx1	
Fluorescent Lamp	40Wx1	28Wx2	40Wx2	28Wx2	
Display	LCD	VFD	LCD		
Control System	Microprocessor				
Work Surface Height	750 mm				
Front Window	Manual	Motorized	Manual	Motorized	
Water & Gas Tap	Water Tapx1, Gas Tapx1				
Filter Guard Type	Aluminium Alloy Frame				
Ground Resistance	<0.10Ω				
Caster	None			Universal Wheel with brake and levelling feet	
Standard Accessory	Fluorescent Lamp, UV Lampx2, Remote Control, Drain Valve, Waterproof Sockets, Stainless Steel water & Gas Taps, Base Stand				
Inner Dimension (W x D x H)	1100x740x2308 mm	1220x665x650 mm	1886x750x2335 mm	1220x600x630 mm	
Overall Dimension (W x D x H)	914x600x610 mm	1421x850x2180 mm	1700x600x610 mm	1370x760x2100 mm	
Power	260 W	400 W	300 W	700 W	
Power Supply	230V/240V, 50Hz/60Hz				
Weight	260 kg	330 kg	380 kg	400 kg	



Biological Safety Cabinet

Safe Working Environmental



Cleanroom and Biological safety product and services



Ceiling Laminar Air flow (CLAF)



Biological Safety Cabinet

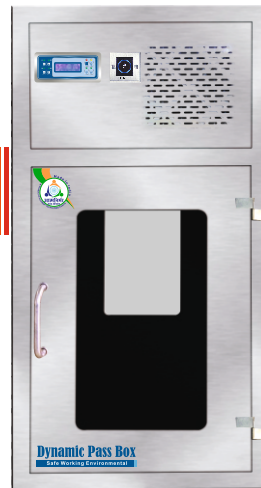


Static Pass Box

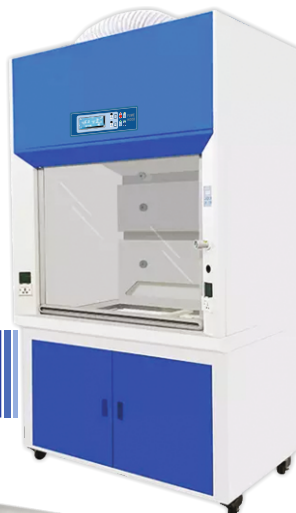


Sterile Garment Cabinet

Dynamic Pass Box



Laminar Flow Cabinet



Fume Hood



Air Shower



Sampling / Dispensing Booth

MADE IN INDIA

M: +91 8130383561,
9350831213

E: cto@luxmed.in

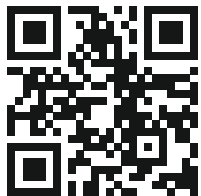
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