



**LABTRON**



# BIOLOGICAL SAFETY CABINET

LBS2-A series



## BIOSAFETY CABINET CLASS II A2 LBS2-A10

The biosafety cabinet class II type A2 is a vertical laminar airflow with 70% air circulation and 30% air exhaust. This cabinet is equipped with leakage proof HEPA and ULPA filters. It has smart auto supply system, which ensures safety by changing the air volume to less than 10% when the resistance of filter increases by 50%. This biosafety cabinet is certified by NSF/ANSI49 and is safe for the use.

### Features

- Vertical sliding view screen with suspended lifting system
- 5mm thick safety glass with photoelectric alarm for door and light
- Free air return mode in the front suction channel
- LCD touch control panel with anti-splash safety socked and junction valve
- Equipped with flow indicator with warning

### Application

Biosafety cabinet Class II A2 is widely used in biotechnology, microbiology, pharmaceutical industry to carry out aseptic operations.



## BIOSAFETY CABINET CLASS II A2 LBS2-A10

### Specifications

Model	LBS2-A10
Cleanliness	HEPA: ISO5(Class 100)/ULPA: ISO4(Class 10)
Filtration Efficiency	HEPA: $\geq 99.995\%$ , @0.3 $\mu\text{m}$ /ULPA: $\geq 99.999\%$ , @0.12 $\mu\text{m}$
Downflow Velocity	0.33m/s
Inflow Velocity	0.55m/s
Noise	$\leq 60\text{dB(A)}$
Work Dimension	1300*600*640mm
Overall Dimension	1500*815*2270mm
Power Supply	~220V, 50Hz
Operator Protection	a. Total colony in impaction sampler $\leq 10\text{CFU./time}$ b. Total colony in slot sampler $\leq 5\text{CFU./time}$
Product Protection	Total colony in culture dish $\leq 5\text{CFU./time}$
Cross Contamination	Total colony in culture dish $\leq 2\text{CFU./time}$
Power (With Spare socket)	2.5kw
Weight	300kg
Air Direction	Top out

## BIOSAFETY CABINET CLASS II A2 LBS2-A2 SERIES

Biosafety cabinet Class II A2 LBS2-A2 Series is designed with demountable circular-arc shelf for easy movement. These biosafety cabinets comes with double layer chamber with photo electric alarm for sliding door and light. Its smart auto-supply system ensures safety by changing the air volume to less than 10% when the resistance of filter increases by 50%. These biosafety cabinets are equipped with leakage proof HEPA and ULPA filters.

### Features

- Equipped with photo electric alarm, smart auto supply system
- Unhindered air return mode in the front suction channel
- Anti-splash safety spare socket and junction valve
- LCD screen with touch control panel

### Application

Biosafety cabinet Class II A2 series are best suited in Biotechnology, microbiology, pharmaceutical industry, environmental industry etc. to carry out aseptic operations.



## BIOSAFETY CABINET CLASS II A2 LBS2-A2 SERIES

### Specifications

Model	LBS2-A20	LBS2-A21	LBS2-A22
Cleanliness	HEPA: ISO5(Class 100)/ULPA: ISO4(Class 10)		
Filtration Efficiency	HEPA: $\geq 99.995\%$ , @0.3 $\mu\text{m}$ /ULPA: $\geq 99.999\%$ , @0.12 $\mu\text{m}$		
Downflow Velocity	0.35m/s		
Inflow Velocity	0.55m/s		
Noise	$\leq 63\text{dB(A)}$		
Work Dimension	970*600*620mm	1270*600*620mm	1570*600*620mm
Overall Dimension	1200*790*2050mm	1500*790*2050mm	1800*790*2050mm
Power Supply	~220V, 50Hz		
Operator Protection	a. Total colony in impaction sampler $\leq 10\text{CFU./time}$ b. Total colony in slot sampler $\leq 5\text{CFU./time}$		
Product Protection	Total colony in culture dish $\leq 5\text{CFU./time}$		
Cross Contamination	Total colony in culture dish $\leq 2\text{CFU./time}$		
Power (With Spare socket)	2.0kw	2.1kw	2.2kw
Weight	260kg	300kg	350kg
Lumin	$\geq 800\text{Lx}$		
Air Direction	Top out	Top out	Left out, Right out, Top out

## BIOSAFETY CABINET CLASS II B2 LBS2-B10

Biosafety cabinet Class II type B2 are certified with NSF/ANSI149. The vertical laminar airflow design ensures 100% air exhaust to the outdoor or to the air exhaust system. Its smart auto-supply system ensures safety by changing the air volume to less than 10% when the resistance of filter increases by 50%. Ergonomic design and V notch provide protection against negative pressure and improve reach and comfort. It has 5mm thick safety glass with photoelectric alarm for door and light.

### Features

- Ergonomic design and V notch provide protection against negative pressure and improve reach and comfort
- PDI control valve with BELIMO Actuator for air supply and exhaust pipelines minimise the air disturbance
- Vertical sliding view screen with suspended lifting system
- 5mm thick safety glass with photoelectric alarm for door and light
- LCD touch control panel with anti-splash safety socket and junction valve

### Application

Biosafety cabinet Class II type B2 are best used in the field of ATC & PTC, to study cell lines, virology and human cell cytology for research and other purpose.



## BIOSAFETY CABINET CLASS II B2 LBS2-B10

### Specifications

Model	LBS2-B10
Cleanliness	HEPA: ISO5(Class 100)/ULPA: ISO4(Class 10)
Filtration Efficiency	HEPA: $\geq 99.995\%$ , @0.3 $\mu\text{m}$ /ULPA: $\geq 99.999\%$ , @0.12 $\mu\text{m}$
Downflow Velocity	0.30m/s
Inflow Velocity	0.55m/s
Noise	$\leq 58\text{dB(A)}$
Work Dimension	1300*600*640mm
Overall Dimension	1525*830*2300mm
Power Supply	~220V, 50Hz
Operator Protection	a. Total colony in impaction sampler $\leq 10\text{CFU./time}$ b. Total colony in slot sampler $\leq 5\text{CFU./time}$
Product Protection	Total colony in culture dish $\leq 5\text{CFU./time}$
Cross Contamination	Total colony in culture dish $\leq 2\text{CFU./time}$
Power (With Spare socket)	2.5kw
Weight	300kg
Air Direction	Top out

## BIOSAFETY CABINET CLASS II B2 LBS2-B2 SERIES

Biosafety cabinet Class II type B2 are designed to provide both a clean work environment and protection to workers from biological hazards. It has vertical laminar airflow design which ensures 100% air exhaust to the outdoor or to the air exhaust system. Biosafety cabinet Class II type B2 has ergonomic design and V notch providing protection against negative pressure and improve reach and comfort.

### Features

- Attached with leakage free HEPA and ULPA filter
- Unhindered air return mode in the front suction channel
- PDI control valve with BELIMO Actuator for air supply and exhaust pipelines minimise the air disturbance
- Anti-splash safety spare socket and junction valve

### Application

Biosafety cabinet Class II type B2 are best used in the field of ATC & PTC, to study cell lines, virology and human cell cytology for research and other purpose.





## BIOSAFETY CABINET CLASS II B2 LBS2-B2 SERIES

### Specifications

Model	LBS2-B20	LBS2-B21	LBS2-B22
Cleanliness	HEPA: ISO5(Class 100)/ULPA: ISO4(Class 10)		
Filtration Efficiency	HEPA: $\geq 99.995\%$ , @0.3 $\mu\text{m}$ /ULPA: $\geq 99.999\%$ , @0.12 $\mu\text{m}$		
Downflow Velocity	0.35m/s		
Inflow Velocity	0.55m/s		
Noise	$\leq 56\text{dB(A)}$	$\leq 58\text{dB(A)}$	$\leq 60\text{dB(A)}$
Work Dimension	970*600*620mm	1270*600*620mm	1570*600*620mm
Overall Dimension	1200*790*2330mm	1500*790*2330mm	1800*790*2330mm
Power Supply	~220V, 50Hz		
Operator Protection	a. Total colony in impaction sampler $\leq 10\text{CFU./time}$ b. Total colony in slot sampler $\leq 5\text{CFU./time}$		
Product Protection	Total colony in culture dish $\leq 5\text{CFU./time}$		
Cross Contamination	Total colony in culture dish $\leq 2\text{CFU./time}$		
Power (With Spare socket)	2.0kw	2.1kw	2.2kw
Weight	260kg	340kg	380kg
Lumin	$\geq 800\text{Lx}$		
Air Direction	Top out	Top out	Top out



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