



# Biosafety Cabinet Class II B2

## LBS2-B2 Series

## **LBS2-B20**

Biosafety Cabinet Class II B2 LBS2-B20 is a Class II type B2 total exhaust cabinet with 420 mm (17 inch) maximum opening. It has 99.999 % efficiency at 0.3  $\mu$  m HEPA Filter and offers two layer laminated toughened glass >5 mm. Designed with Large digital LCD display used to monitor all safety parameters and Universal caster for moving with brake and levelling feet. Work area surrounded by negative pressure and it can ensure maximum safety in work area.

## **LBS2-B21**

Biosafety Cabinet Class II B2 LBS2-B21 is a Class II type B2 total exhaust cabinet with 420 mm (17 inch) maximum opening. It has 99.999 % efficiency at 0.3  $\mu$  m HEPA Filter and offers two layer laminated toughened glass >5 mm. Designed with Large digital LCD display used to monitor all safety parameters and Universal caster for moving with brake and levelling feet. Work area surrounded by negative pressure and it can ensure maximum safety in work area.

## **LBS2-B22**

Biosafety Cabinet Class II B2 LBS2-B22 is a Class II type B2 total exhaust cabinet with 500 mm (20 inch) maximum opening. It has 99.999 % efficiency at 0.3  $\mu$  m HEPA Filter and offers two layer laminated toughened glass >5 mm. Designed with Large digital LCD display used to monitor all safety parameters and Universal caster for moving with brake and levelling feet. Work area surrounded by negative pressure and it can ensure maximum safety in work area.

## **LBS2-B23**

Biosafety Cabinet Class II B2 LBS2-B23 is a Class II type B2 total exhaust cabinet with 480 mm (20 inch) maximum opening. It has 99.999 % efficiency at 0.3  $\mu$  m HEPA Filter and offers two layer laminated toughened glass >5 mm. Designed with Large digital LCD display used to monitor all safety parameters and Universal caster for moving with brake and levelling feet. Work area surrounded by negative pressure and it can ensure maximum safety in work area.

## Features :

- ❑ Designed with HEPA filter and UV indicator
- ❑ Automatic air speed adjustable with filter block
- ❑ Large digital display used to monitor exhaust filter and down flow filter pressure, filter and UV lamp working time, inflow and down flow velocity, filter life, humidity and temperature, system working time etc
- ❑ Two layer laminated toughened glass >5 mm, anti UV
- ❑ Universal caster with brake and levelling feet
- ❑ Memory function in case of power-failure
- ❑ Equipped with Interlock function, UV lamp, front window, fluorescent lamp
- ❑ Designed with Remote control and Audio, visual alarm
- ❑ Time reserve function
- ❑ Motorized front window
- ❑ Maximum safety in work area surrounded by negative pressure
- ❑ Adjust front window height by foot during experiment, to avoid airflow turbulence caused by arm movement

## Application :

Biosafety Cabinet product is used in protection from biological hazards and contamination as well as protection from volatile toxic chemicals.

## Specifications:

Model	LBS2-B20	LBS2-B21
Max Opening	420 mm (17 inch)	
Tested Opening	Safety Height 200 mm (8 inch)	
Inflow Velocity	0.53 ± 0.025 m/s	
Down flow Velocity	0.33 ± 0.025 m/s	
Pre-Filter	Washable	
HEPA Filter	99.999 % efficiency at 0.3 μ m, filter life indicator	
Front Window	Motorized, two-layer laminated toughened glass ≥ 5 mm, anti UV	
Noise	NSF49 ≤ 61 dB / EN1246949 ≤ 58 dB	
Illumination	≥ 1000 Lux	
Consumption	700 W	850 W
Display	LCD display, exhaust filter and down flow filter pressure, filter and UV lamp working time, inflow and down flow velocity, filter life, humidity and temperature, system working time etc.	
Waterproof Sockets	Two, total load of two sockets 500 W	
Control System	Microprocessor	
Airflow System	0 % air recirculation, 100 % air exhaust	
Alarm	Abnormal airflow velocity, Filter replacement, Front window at unsafe height	
Exhaust Duct	4 meters PVC duct, Diameter 300 mm	
Material Work Zone	304 stainless steel	
Material Main Body	Cold-rolled steel with anti-bacteria powder coating	
Work Surface Height	750 mm	
Caster	Foot master caster	
UV Lamp	30 W × 1	
	UV timer, UV life indicator, emission of 253.7 nano meters for most efficient decontamination	

## Biosafety Cabinet Class II B2 LBS2-B2 Series

Illuminating Lamp	LED Lamp 12 W × 2	LED Lamp 14 W × 2
Internal dimension (W×D×H)	940 × 600 × 660 mm	1150 × 600 × 660 mm
External dimension (W×D×H) mm	1100 × 750 × 2250 mm	1300 × 750 × 2250
Power supply	AC 220V±10 %, 50/60 Hz; 110V±10 %, 60 Hz	
Weight	246 kg	276 kg

Model	LBS2-B22	LBS2-B23
Max Opening	500 mm (20 inch)	480 mm (20 inch)
Tested Opening	Safety Height 200 mm (8 inch)	
Inflow Velocity	0.53 ± 0.025 m/s	
Down flow Velocity	0.33 ± 0.025 m/s	
Pre-Filter	Washable	
HEPA Filter	99.999 % efficiency at 0.3 μ m, filter life indicator	
Front Window	Motorized, two-layer laminated toughened glass ≥ 5 mm, anti UV	
Noise	NSF49 ≤ 61 dB / EN1246949 ≤ 58 dB	
Illumination	≥ 1000 Lux	
consumption	900 W	1200 W
Display	LCD display, exhaust filter and down flow filter pressure, filter and UV lamp working time, inflow and down flow velocity, filter life, humidity and temperature, system working time etc.	
Waterproof Sockets	Two, total load of two sockets 500 W	
Control System	Microprocessor	
Airflow System	0 % air recirculation, 100 % air exhaust	

## Biosafety Cabinet Class II B2 LBS2-B2 Series

Alarm	Abnormal airflow velocity, Filter replacement, Front window at unsafe height	
Exhaust Duct	4 meters PVC duct, Diameter 300 mm	
Material Work Zone	304 stainless steel	
Material Main Body	Cold-rolled steel with anti-bacteria powder coating	
Work Surface Height	750 mm	
Caster	Foot master caster	
UV Lamp	40 W × 1 UV timer, UV life indicator, emission of 253.7 nano meters for most efficient decontamination	
Illuminating Lamp	LED Lamp 16 W × 2	LED Lamp 16 W × 2
Internal dimension (W×D×H)	1350 × 600 × 660 mm	1700 × 600 × 660 mm
External dimension (W×D×H)	1500 × 760 × 2250 mm	1873 × 775 × 2270 mm
Power supply	AC 220V±10 %, 50/60 Hz; 110V±10 %, 60 Hz AC 220V±10 %, 50 Hz	
Weight	302 kg	408 kg

**Standard Accessories:**

Accessories no.	Name	Qty.
1	Illuminating lamp	2 pcs
2	UV lamp	1 pcs
3	Base Stand	1 pcs
4	Remote control	1 pcs
5	Foot switch	1 pcs
6	Exhaust blower	1 pcs
7	Exhaust duct	1 pcs
8	Drain valve	1 pcs
9	Waterproof sockets	2 pcs
10	Pipe strap	2 pcs