

Biosafety cabinet Class II Type B2



Class II Type B2 biosafety cabinet with 100% external exhaust for toxic chemicals, infectious agents and high-risk biological materials in BSL-2 and BSL-3 laboratories.

Triple protection system

Protection type	Function
Personnel protection	Prevents exposure to contaminated aerosols and hazardous materials
Product protection	Maintains a sterile ISO-class clean airflow over samples
Environmental protection	All air is safely exhausted outside the laboratory through HEPA filtration

Key features

Airflow system

- Vertical laminar airflow with 100% external exhaust system
- No internal air recirculation (essential for toxic and volatile applications)
- Low-vibration, low-noise high-efficiency blower system
- Stable airflow performance for continuous laboratory operation

HEPA filtration system

- Dual H14 HEPA filters ($\geq 99.995\%$ efficiency at $0.3 \mu\text{m}$)
- Pre-filter for coarse particles to extend main filter life
- Real-time airflow pressure monitoring system
- Filter status indicators with automatic alerts

Smart control interface

- LCD display for full operational monitoring



- Airflow speed adjustment and filter life tracking
- UV sterilization timer (pre/post operation cycles)
- Visual & audible alarms for airflow loss, sash opening, and UV operation

Ergonomic work zone design

- 5° angled front safety glass sash with smooth counterbalance system
- High-efficiency LED lighting (fluorescent optional)
- Internal chamber made of AISI 304 stainless steel (seamless, corrosion-resistant)
- Integrated electrical outlets for laboratory instruments

Applications

- Microbiology & virology laboratories
- Infectious disease research facilities
- Handling cytotoxic and hazardous drugs
- Pharmaceutical quality control
- COVID-19, TB, Influenza diagnostic laboratories
- Clinical and advanced research institutions

Models and specifications

Model	Internal size (W×D×H) (cm)	External size (W×D×H) (cm)	Filtration system	Lighting	Control display	Exhaust system
LXBS-60B2	60 × 60 × 65	70 × 75 × 220	Dual H14 HEPA	LED / fluorescent	LCD	100% external exhaust
LXBS-90B2	90 × 60 × 65	100 × 75 × 220	Dual H14 HEPA	LED / fluorescent	LCD	100% external exhaust
LXBS-120B2	120 × 60 × 65	130 × 75 × 220	Dual H14 HEPA	LED / fluorescent	LCD	100% external exhaust

Warranty

One-year comprehensive warranty on all devices · Two-year warranty against manufacturing defects · Maintenance contract after the warranty period