BSC-III (100% Air Exhaust)



Product Description

- This Level 3 biosafety cabinet is a fully enclosed, negative-pressure system with 100% external exhaust, offering the highest level of personnel and environmental protection. Ideal for high-risk applications such as biopharmaceuticals, life sciences, and genetic engineering experiments
- Dual-stage high-efficiency filtration ensures strict particle and pathogen removal from all exhaust air. Real-time pressure monitoring via differential pressure gauges ensures safe operation under negative pressure conditions
- Integrated seamless chamber structure with rounded arc edges minimizes pollutant buildup and simplifies cleaning
- Ergonomic front panel tilt design enhances operator comfort during extended use
- Double interlocking door transfer hatch guarantees airtight material transfer, improving contamination control
- Microprocessor-controlled system manages automated cabinet operation, while the LCD display provides real-time status and multiple hazard alerts
- Corrosion- and wear-resistant gloves are disinfectant-safe and feature a sealed, leak-proof design for secure handling inside the cabinet

Technical Parameters

Item/Model	BSC-1000III	BSC-1300III	BSC-1700III
Cleanliness Level	HEPA ISO 5 (Class 100 Cleanroom)/ULPA: ISO 4 (Class 10)		
Filtration efficiency	HEPA ≥99.995% @0.3μm/ULPA ≥99.999% @0.12μm,		
Supply air velocity (m/s)	0.35		
Inflow air velocity (m/s)	0.6		
Noise (dB)	≤65dB		
Illumination (LX)	≥700	/	/
Maximum Power Consumption (kW)	2.1	2.3	2.5
Internal Pressure (Pa)	≥120		
Power (V/Hz)	AC 220/50		
Weight (kg)	350	420	540
Number of Gloves	2		
Working Area Dimensions (mm)	1000×620×700	1300×620×700	1700×620×700
External Dimensions (mm)	1550×760×1850	1850×760×1850	2250×760×1850
Number of Operators	1	1 or 2	2 or 3