Biosafety Cabinets Series

BSC-1000IIA2



Product Description

- Class II Biosafety Cabinet - 30% exhaust, 70% recirculation configuration
- Meets Pharmaceutical Industry Standards of China (YY 0569-2011)
- Certified by SFDA with medical device registration and production license
- Outer shell made of high-quality cold-rolled steel with electrostatic spray coating; three sides of the operational area are formed with integrated stainless steel; internal parts feature 10 mm large rounded corners for easy cleaning
- Dual HEPA filters with ULPA-level efficiency (≥99.9995% at 0.12 μm), using partition-free borosilicate glass fiber membrane
- High-quality, low-noise fan with automatic speed control; features high-sensitivity breeze speed sensor for real-time, pressure-free wind speed monitoring
- Custom-developed software with national software copyright certification; LCD screen shows temperature, airflow, and other parameters; password-protected settings with blue screen digital display to prevent misoperation
- Filter alarm: Real-time barcode display for filter life tracking, with sound and light alarms to prompt timely replacement
- Equipped with upper and lower limit alarm system; sound and light alerts activate when the glass door exceeds or drops below set positions
- Fully enclosed working area maintained under negative pressure on all sides to ensure zero leakage and maximum cleanliness
- Integrated sliding door can be positioned freely; UV lamp functions only when the window is fully closed
- 6 mm thick safety-tempered glass used for the front window door
- Automatically deactivates the UV germicidal lamp and activates the fan when the front window opens, ensuring safe and efficient operation
- UV lamp features programmable reservation and timing functions
- Includes a built-in spare power socket
- 10° forward tilt enhances operator comfort and visibility during operation

Technical Parameters

Parameters/Model	BSC-1000IIA2
Cleanliness Level	HEPA ISO 4 (Class 10 Cleanroom)
Supply Air Velocity (m/s)	0.33±0.025
Inflow Air Velocity (m/s)	0.53±0.025
Noise (dB)	≤67
Vibration Semi-Peak Value (μm)	≤5
Voltage/Maximum Power Consumption	AC 220V/50Hz/1kW
Personnel Biosecurity & Protection	Impact sampler ≤10 CFU/Slit sampler ≤5 CFU
Product Biosecurity & Protection	Petri dish samples ≤5 CFU
Cross-Contamination Protection	Petri dish samples ≤2 CFU
Working Area Dimensions (mm)	1000×520×640
Overall Dimensions (mm)	1165×760×2200
Illumination (LX)	≥900
Weight (kg)	240
Number of Operators	1
Draft Direction	Top