Biological Safety Cabinet

Product Description

Biological safety cabinets are widely used in scientific research, teaching, clinical testing and production in the fields of microbiology, biomedicine, genetic engineering, biological products, etc. It is the most basic safety protection equipment in the first-level protective barrier of laboratory biological safetyOperating Features

Operating Features

Assembled in CHINA 1 year Warranty

● Unique internal cavity safety negative pressure design, air curtain isolation, ensuring no leakage under normal use, no gas circulation, 100% exhaust laminar flow, in line with Class II biosafety cabinet standards.

● The ergonomic 10° tilt angle design makes the operation feel better.

● The outer box is made of high-quality cold-rolled steel plate and electrostatically sprayed; the stainless steel (SUS304) integrated structure is used on the three sides of the safety cabinet operation area, and the internal washable part is treated with 10mm rounded corners for easy cleaning.

● The integrally formed work surface is easy to remove and clean. There is a liquid collection tank and a drain valve under the operation table.

● The control system adopts intelligent microcomputer control. The LCD screen displays system parameters such as working temperature, airflow velocity and filter membrane life. The light-touch membrane switch adjusts various parameter settings. Parameter indication.

● Temperature sensor: It can detect and display temperature in real time; Wind speed sensor: It can detect and display wind speed in real time, monitor fan operation and safety status of operation area.

● Equipped with a height limit alarm device, the sound and light remind the user when the moving glass door exceeds the specified height limit (180mm).

● Equipped with filter pre-failure and breakage and blocking alarm technology, equipped with fan overload alarm prompt.

● Equipped with a working window opening limit alarm system, when the front window opening height of the safety cabinet exceeds the set height, the safety cabinet descending air flow rate and the inflow air flow rate fluctuate beyond its nominal value by 20%,
The interlock system initiates an alarm prompt.

● Two ULPA ultra-high efficiency filters are standard, which can achieve 99.999% cut-off efficiency for 0.12μm particle system. The filter membrane material is made of separator-free borosilicate glass fiber.

● The UV lamp has a timed reservation function. The front window integrated sliding door can be positioned freely and can be completely closed for sterilization.

● The glass door is made of safety tempered glass of not less than 6mm. Front window and germicidal lamp

● Chain design: When the current window is open, the germicidal lamp is extinguished.

● Bracket type safety cabinet, the bracket and the upper box can be separated for easy handling and seating.

● It has parameter memory and call recovery function protected by power failure and data loss of crash status.

Product Specifications

Model	BHC-1100 II A2	BHC-1300 II A2	BHC-1500 II A2
Cleaning level	HEPA：ISO 5 level（100 level Class100）/ULPA：ISO 4 level（10 level Class 10）		
Filter level	HEPA：≥99.995%，@0.3μm/ULPA：≥99.999%，@0.12μm		
Falling wind speed	0.35m/s		
Inhalation air velocity	0.57m/s		
Noise	≤65dB(A)		
Semi-peak Vibration	≤3μm		
Power Supply/Maximum Power Consumption	AC, 220V/50HZ 2.4KW		
Wind direction	Ejection		
Bio-Safety	Personnel protection: all impact sampler sampling number CFU ≤ 10, slit sampler sampling number CFU ≤ 5		
	Product protection: all sample dishes sample number CFU ≤ 5		
	Cross-contamination protection: all culture dishes sample number CFU ≤ 2		
Workspace size	1100*600*640	1300*600*640	1500*600*640
Dimension	1300*815*2210	1500*820*2210	1800*820*2210
Specification of air supply filter	1015*460*70*①	1315*460*70*①	1515*460*70*①
Specification of exhaust filter	400*490*70*①	890*460*70*①	1090*460*70*①
Specification and Quantity of Fluorescent/Ultraviolet Lamps	30W*②/30W*①	40W*②/30W*①	40W*②/40W*①
Illuminance	≥900LX	≥900LX	≥900LX
Weight	300kg	300kg	300kg
Applicable number	Single	Double	Multi-user

FDA   **CE**

ISO
ISO13485