

# Biological Safety Cabinet



**HR1200-IIB2**

## Main Applications:

Professional partial air purification equipment, it is suitable for cell biology, microbiology, biomedicine, chemotherapeutic drugs preparation and other related laboratories. It provides the most essential protection and isolation equipment for biosafety.

## User Friendly Design

- The front operating surface of the cabinet is manufactured with a 10-degree inclination design, which is in accordance with ergonomic principles and more comfortable to operate for the user
- The cabinet underframe has adjustable feet with no bare thread, avoiding dust pollution
- The cabinet has universal casters to facilitate movement
- Detachable armrest helps prevent airflow blocking and provide comfortable working posture

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## Product Advantages



### Constant Airflow Velocity

The hot-bulb airflow velocity sensor performs real-time monitoring of the air velocity of the working area and keeps a constant air velocity in the cabinet by regulating the fan speed with a microcomputer system.



### Energy Conservation

PIR detection, the PIR sensor will detect when the operating area has been clear of personnel for more than 15 minutes and automatically switch to LNS green-saving mode to reduce the noise level, save energy and prolong the service life of filter.



### Safe Airflow System

- The operating area utilizes an airflow disruption design and its front window has air curtain protection at the upper edge and in the surroundings, which can prevent cross over air flow between the inside and outside and thus preventing the diffusion of the internal and external pollutants.
- The cabinet professional imported air pressure sensors can monitor the pressure changes in the positive and negative pressure zones in real-time and the sound and light alarms are automatically triggered when airflow changes exceed 20%.
- Temperature humidity sensor and velocity sensor monitors the real-time temperature and humidity, air-speed and pressure of the working area.
- Imported ULPA is made of moisture-proof and flame-retardant glass fiber filter paper which can intercept 99.9995% solid particles with a diameter of 0.12  $\mu\text{m}$  to ensure high cleanliness of air supply flow.



### Intelligent and Safe

- High efficiency AC centrifugal fans combined with an innovative air distribution system to ensure lower noise and more uniform air flow.
- LCD display, Real-time display of operating parameters, filter life and other useful information.
- Interlocking Function. The product features an interlocking function between UV disinfection, fluorescent lamp, front sash and fan.
- Multiple audible and visual alarm functions: hardware failure alarm, operation parameter overrun alarm, filter and UV lamp life warning.
- 6mm UV-resistant tempered glass ensures safety.

## Specifications

Model		HR1200-IIB2	
General Specifications	Power Supply (V/Hz)	220-240/50	
	Power (VA)	1950	
	Power of Blower (W)	735	
	Airflow Circulation	100% Exhaust	
	Main Filter Typical Efficiency	ULPA ,U15,99.9995%@0.12μm	
	Exhaust Filter Typical Efficiency	HEPA ,H14,99.995%@0.3μm	
	Filter's Brand	AAF	
	Downflow Velocity (m/s)	0.31	
	Inflow Velocity (m/s)	0.55	
	Lighting Intensity (Lux)	≥900	
Dimensions	Net/Gross Weight (approx)	kg	310/344
		lbs	683/758
	Interior Dimensions (W*D*H)	mm	1220*620*650
		in	48.1*24.2*25.3
	External Dimensions (W*D*H) (Width without Arm Rest)	mm	1380*780*2215
		in	54.3*30.7*87.2
	Packing Dimensions (W*D*H)	mm	1462*904*1782
		in	57.5*35.5*70.1
	Support Stand (mm)	680-900mm adjustable height	
	Alarm	Sound and Flash	
Alarm Functions	Closing Fan Alarm After Door Opening	Y	
	Door Ajar	Y	
	Abnormal Inflow	Y	
	Abnormal Downflow	Y	
	Door Open More than Limit	Y	
	Filter Clogging	Y	
	Filter Damage	Y	
	Filter Lifetime Lack	Y	
	UV light Lifetime Lack	Y	
	UV Lamp	Y	
Accessories	Socket	2 Sockets	
	Valve Port	Optional	
	Antimicrobial Powder Coating	Optional	
	316SS Work Surface	Optional	
	Motorized Window	Optional	
	Foot Switch	Optional	
	Armrest	Y	
	Exhaust Duct Connection Kits	Optional	
Others	Certification	CFDA, ISO13485	

\*Haier Biomedical reserves the right to change products and specifications without prior notice.