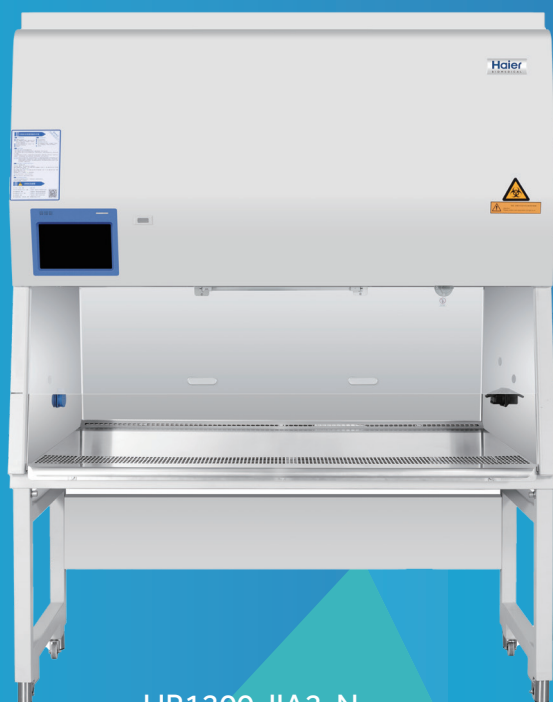


N Series Biological Safety Cabinet



HR1200-IIA2-N
HR1500-IIA2-N
HR1800-IIA2-N

Scope of Application

Professional air purification equipment suitable for pharmaceuticals, medical and health industries, scientific research laboratories of universities and colleges as well as other related fields.

Innovative Design

- Stainless steel inner liner and work surface
- Platform arm rest
- Universal casters, easy to move
- Equipped with dual DC centrifugal fans
- Waterproof socket
- Ultra-low noise, uniform airflow

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Product Advantages



Microprocessor Control System

- Intuitive and informative interactive digital touch screen.
- The hot-ball anemometer monitors the downflow and inflow wind speed of the safety cabinet in real time and compares it with the standard wind speed. The rotating speed of the fan is adjusted through the microprocessor system to maintain the constant wind speed of the safety cabinet.
- Real-time display of operational information and parameters including downflow air velocity, flow rate, temperature, humidity, positive pressure, negative pressure, fan cumulative running time and filter remaining service life.
- One button UV lamp timer function, allows users to set 0 to 24 hours of automatic on/off time.



Superior Filter, Multiple Protection

- 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 μm to ensure high cleanliness of air supply flow and exhaust flow.
- Perfect air distribution design, no turbulence in the working area.
- Sound and light alarm function for abnormal parameters.



Ultra-Low Noise, Uniform Airflow

- Designed with Dual DC centrifugal fans, combined with an innovative air distribution system, with lower noise, and more uniform air flow.

Ergonomic Design



Platform Arm Rest

- Platform arm rest frame, comfortable to use, relieves fatigue.



Caster and Foot

- 4 universal casters + 4 feet design, easy to move and lock leveling



Wear-resistant and Easy to Clean

- The inner liner is manufactured with stainless steel one-piece structure design, 12mm large arc transition, no dead angles to clean.
- The work surface is manufactured with high quality 304 stainless steel, without any fixed screws, preventing any accumulation pollutants.
- The cabinet is manufactured with cold rolled steel plate with corrosion resistant epoxy resin powder sprayed on the surface, which is resistant to acid and alkali corrosion.



Waterproof Socket

- Waterproof socket with timing technology allows users to program timed on/off function.

N Series Biological Safety Cabinet

Product Features



Equipped with dual DC centrifugal fans, ensure the air flow in the safety cabinet is stable and less noisy. The wind speed is easy to adjust

The ergonomic 10° inclination of the cabinet makes the operation more comfortable and the vision clearer



The hot-ball anemometer monitors the wind speed in the working area and exhaust area of the safety cabinet in real time, then compares this with the standard wind speed. The rotating speed of the fan is adjusted through the microprocessor system to maintain the constant wind speed of the safety cabinet



Equipped with an ultra-high efficiency filter to provide air flow with ultra-high cleanliness in the working area, reaching the US standard Fed STD 209E class 1



Touch screen:
Digital display of running status, abnormal operation conditions alarm, filter and UV lamp service life warning function, UV lamp timing function and interlock technology

2 Electrical Sockets
Waterproof sockets with timing technology allows user to program timed on/off function



Universal casters with built-in threaded support feet

Height-adjustable support 680-900(mm) adjustable height



One-piece arm rest, comfortable to use and relieves fatigue



UV Lamp:
In addition to the standard opening method, reservation opening is added, the sterilization time can be preset according to user needs



Optional Components



Valve port, yellow, for fuel gas



Valve port, blue, for compressed air



Valve port, grey, for vacuum



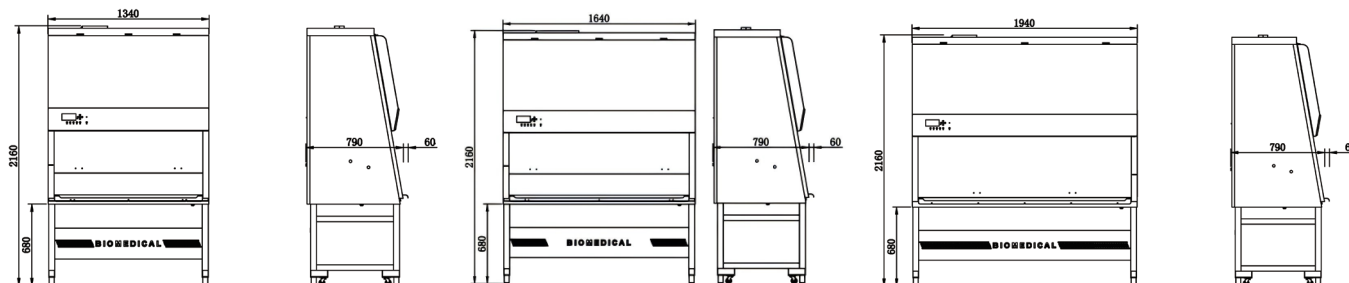
Valve port, green, for water



316 stainless steel workbench and liner

N Series Biological Safety Cabinet

Product Dimensions



HR1200-IIA2-N

HR1500-IIA2-N

HR1800-IIA2-N

Specifications



Model			HR1200-IIA2-N	HR1500-IIA2-N	HR1800-IIA2-N
General Specifications	Power Supply (V/Hz)		220-240/50/60	220-240/50/60	220-240/50/60
	Power (VA)		1300	1400	1400
	Power of Blower (W)		DC 120W 112W	DC 190W 112W	DC 120W 112W
	Airflow Circulation		70% Downflow, 30% Exhaust	70% Downflow, 30% Exhaust	70% Downflow,30% Exhaust
	Main Filter Typical Efficiency		ULPA , U15.99.9995% $\text{\textcircled{0.12um}}$	ULPA , U15.99.9995% $\text{\textcircled{0.12um}}$	ULPA , U15.99.9995% $\text{\textcircled{0.12um}}$
	Exhaust Filter Typical Efficiency		ULPA , U15.99.9995% $\text{\textcircled{0.12um}}$	ULPA , U15.99.9995% $\text{\textcircled{0.12um}}$	ULPA , U15.99.9995% $\text{\textcircled{0.12um}}$
	Filter's Brand		AAF	AAF	AAF
	Downflow Velocity(m/s)		0.30	0.30	0.30
	Inflow Velocity(m/s)		0.45	0.45	0.45
	Lighting Intensity (Lux)		1233	1313	1212
Sound Level(dB(A))		59	61	63	
Dimensions	Net/Gross Weight	kg	275/335	325/376	375/460
		lbs	617/750	716.5/804.7	827/1014
	Internal Dimensions (W*D*H)	mm	1230*600*650	1530*600*650	1830*600*650
		in	48.4*23.6*25.6	60.2*23.6*25.6	72.0*23.6*25.6
	External Dimensions (W*D*H) (Width without Armrest)	mm	1340*850(790)*2160	1640*850(790)*2160	1940*850(790)*2160
		in	52.8*33.5(31.1)*85	64.6*33.5(31.1)*85	76.4*33.5(31.1)*85
	Packing Dimensions (W*D*H)	mm	1435*945*1700	1705*940*1720	2038*945*1700
		in	56.5*37.2*66.9	67.1*37.0*67.7	80.2*37.2*66.9
	Support Stand (mm)		680mm (standard), 680-900mm adjustable height (optional)	680mm (standard), 680-900mm adjustable height (optional)	680mm (standard), 680-900mm adjustable height (optional)
	Sash Opening (mm)		200 (Max 460)	200 (Max 460)	200 (Max 460)
Container load (20'/40'/40'H)		8/16/16	6/12/12	6/12/12	
Alarm Functions	Alarm		Sound and Flash	Sound and Flash	Sound and Flash
	Closing Fan Alarm After Door Opening		Y	Y	Y
	Door Ajar		Y	Y	Y
	Abnormal Inflow		Y	Y	Y
	Abnormal Downflow		Y	Y	Y
	Door Open More than Limit		Y	Y	Y
	Filter Clogging		Y	Y	Y
	Filter Damage		Y	Y	Y
	Filter Lifetime Lack		Y	Y	Y
UV light Lifetime Lack		Y	Y	Y	
Accessories	UV Lamp		Y	Y	Y
	Socket		2 Sockets	2 Sockets	2 Sockets
	Valve Port		Optional	Optional	Optional
	Side Wall Service Taps		Optional gas tap, vaccum tap, compressed air tap and water tap	Optional gas tap, vaccum tap, compressed air tap and water tap	Optional gas tap, vaccum tap, compressed air tap and water tap
	Antimicrobial Powder Coating		Optional	Optional	Optional
	316SS Work Surface		Optional	Optional	Optional
	Work Surface		One-piece	One-piece	One-piece
	Touch Screen		Y	Y	Y
	Motorized Window		Optional	Optional	Optional
	Foot Switch		Optional	Optional	Optional
	Armrest		Y	Y	Y
	Exhaust Duct Connection Kits		Optional	Optional	Optional
Others	Certification		CE,TUV Mark	CE,TUV Mark	CE,TUV Mark

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