

NSF Series Biological Safety Cabinet



HR900-IIA2-N
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
- Equipped with dual DC centrifugal fans
- Platform arm rest
- Waterproof socket
- Universal casters, easy to move
- Ultra-low noise, uniform airflow

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Product Advantages



Microprocessor Control System

- Intuitive and informative interactive digital LCD display.
- 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.



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.



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.



Multiple Voltage Options, Suitable for Many Countries and Regions

- Full voltage coverage (100-230V 50/60Hz), suitable for a wide range of countries and regions.



One-piece Welded Cabinet Structure, Leak Proof

- Prevention of leakage performance of dangerous factors conforms to NSF specification.

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.

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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



LCD 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

Adjustable height stand (optional)



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



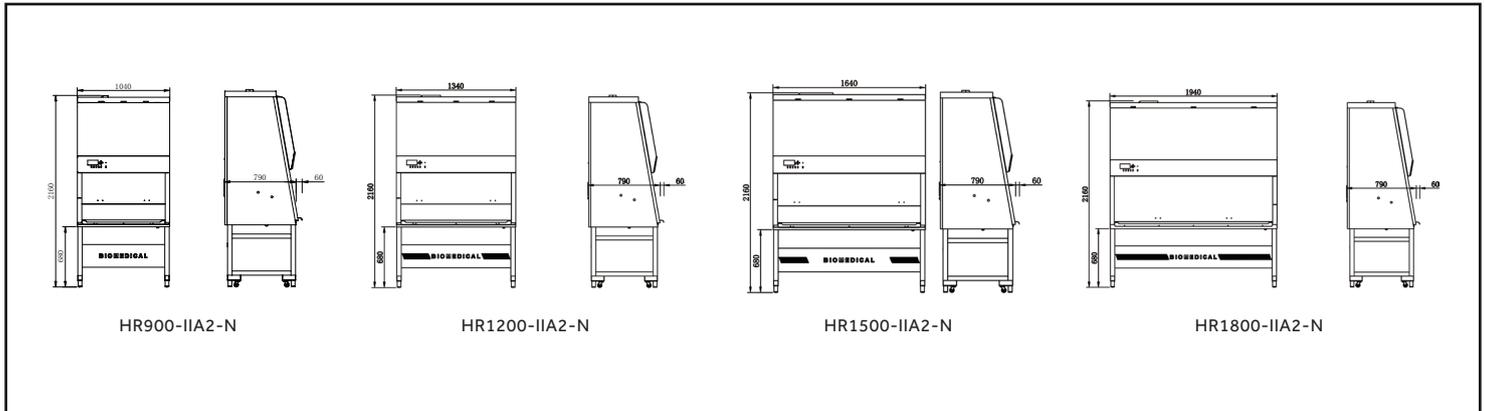
CFCI sockets
It's standard component for USA and Canada



Height-adjustable support 680-900mm adjustable height

NSF Series Biological Safety Cabinet

Product Dimensions



HR900-IIA2-N

HR1200-IIA2-N

HR1500-IIA2-N

HR1800-IIA2-N

Specifications



Model		HR900-IIA2-N	HR1200-IIA2-N	HR1500-IIA2-N	HR1800-IIA2-N	
General Specifications	Power Supply (V/Hz)	100-230/50/60	100-230/50/60	100-230/50/60	100-230/50/60	
	Power (VA)	1300	1300	1400	1400	
	Power of Blower (W)	DC 190W 112W	DC 120W 112W	DC 190W 112W	DC 120W 112W	
	Airflow Circulation	70% Downflow, 30% Exhaust				
	Main Filter Typical Efficiency	ULPA, U15, 99.9995% @ 0.12um				
	Exhaust Filter Typical Efficiency	ULPA, U15, 99.9995% @ 0.12um				
	Filter's Brand	AAF	AAF	AAF	AAF	
	Downflow Velocity(m/s)	0.35	0.35	0.35	0.35	
	Inflow Velocity(m/s)	0.53	0.53	0.53	0.53	
	Lighting Intensity (Lux)	946	1323	TBD	1292	
Sound Level(dB(A))	67	64	TBD	67		
Dimensions	Net/Gross Weight	kg	225/280	275/335	325/376	375/460
		lbs	496/584	617/750	716.5/804.7	827/1014
	Internal Dimensions (W*D*H)	mm	930*600*650	1230*600*650	1530*600*650	1830*600*650
		in	36.6*23.6*25.6	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	1040*850(790)*2160	1340*850(790)*2160	1640*850(790)*2160	1940*850(790)*2160
		in	40.9*33.5(31.1)*85	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	1105*935*1720	1435*945*1700	1705*940*1720	2038*945*1700
		in	43.5*36.8*67.7	56.5*37.2*66.9	67.1*37.0*67.7	80.2*37.2*66.9
	Support Stand (mm)		680mm (standard).	680mm (standard).	680mm (standard).	680mm (standard).
	Sash Opening (mm)		680-900mm adjustable height (optional)	680-900mm adjustable height (optional)	680-900mm adjustable height (optional)	680-900mm adjustable height (optional)
Container load (20'/40'/40'H)		200 (Max 460)	200 (Max 460)	200 (Max 460)	200 (Max 460)	
Alarm Functions	Alarm	Sound and Flash	Sound and Flash	Sound and Flash	Sound and Flash	
	Closing Fan Alarm After Door Opening	Y	Y	Y	Y	
	Door Ajar	Y	Y	Y	Y	
	Abnormal Inflow	Y	Y	Y	Y	
	Abnormal Downflow	Y	Y	Y	Y	
	Door Open More than Limit	Y	Y	Y	Y	
	Filter Clogging	Y	Y	Y	Y	
	Filter Damage	Y	Y	Y	Y	
	Filter Lifetime Lack	Y	Y	Y	Y	
	UV light Lifetime Lack	Y	Y	Y	Y	
Accessories	UV Lamp	Y	Y	Y	Y	
	Socket	2 Sockets (optional GFCI socket)				
	Valve Port	Optional	Optional	Optional	Optional	
	Side Wall Service Taps	Optional gas tap, vacuum tap, compressed air tap and water tap	Optional gas tap, vacuum tap, compressed air tap and water tap	Optional gas tap, vacuum tap, compressed air tap and water tap	Optional gas tap, vacuum tap, compressed air tap and water tap	
	Antimicrobial Powder Coating	Optional	Optional	Optional	Optional	
	316SS Work Surface	Optional	Optional	Optional	Optional	
	Work Surface	One-piece	One-piece	One-piece	One-piece	
	Touch Screen	Optional	Optional	Optional	Optional	
	Motorized Window	N	N	N	N	
	Foot Switch	N	N	N	N	
	Armrest	Y	Y	Y	Y	
	Exhaust Duct Connection Kits	Optional	Optional	Optional	Optional	
Others	Certification	UL, NSF	UL, NSF	UL, NSF	UL, NSF	

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