Haier Biomedical
Intelligent Protection of Life Science

NSF Series Biological Safety Cabinet

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 and Ergonomic 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 rotate 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

- Dual DC fan design, combined with professional air distribution design, lower noise, with a 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.

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.

Caster and Foot

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

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 working area and exhaust area of the safety cabinet in real time and compares it with the standard wind speed. The rotate 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.

It is equipped with waterproof socket timing function.

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.
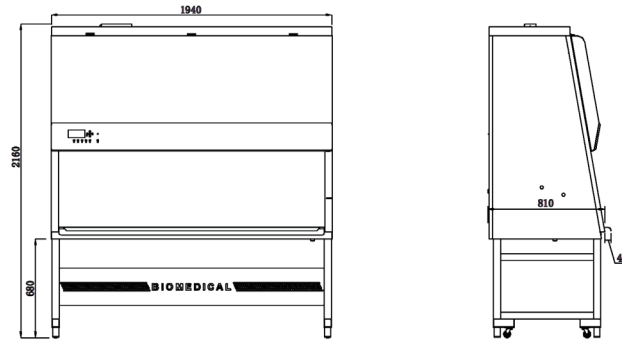
Plane type worktable, large basin.

Adjustable height stand (optional)

Universal casters with built-in threaded support feet.

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

Product Dimensions

HR1800-IIA2-N

Specifications

Model	HR1800-IIA2-N	
Working Voltage&Frequency (V/Hz)	100-230V 50/60Hz	
Power (VA)	1400	
Power of Blower (W)	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	
Downflow Velocity (m/s)	0.35	
Inflow Velocity (m/s)	0.53	
Fluorescent Lamp Intensity (Lux)	1292	
Net/Gross Weight	kg	375/460
	lbs	827/1014
Internal Dimensions (W*D*H)	mm	1830*600*650
	in	72.0*23.6*25.6
External Dimensions (W*D*H)	mm	1940*850*2160
	in	76.4*33.5*85
Packing Dimensions (W*D*H)	mm	2000*900*1710
	in	78.7*35.4*67.3
Adjustable Stands	680-900mm adjustable height	
Container Load (20'/40'/40'H)	6/12/12	
Alarm	Sound and Flash	
Certification	UL, NSF	