Haier Biomedical
Intelligent Protection of Life Science

Biological Safety Cabinets

HR900-IIA2-D/S

Scope of Application

Suitable for microbiology, biomedicine, biosafety laboratories and other laboratories. It offers three levels of protection-operator, product and environment

Innovative Design

◎ Double ULPA exhaust filters
◎ Low noise and uniform airflow
◎ Convenient partitioned workbench
◎ Bright side glass windows
◎ Energy saving fans

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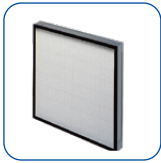
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Product Advantages

ULPA Filter System

HR900-IIA2-D adopts two ULPA exhaust filters while HR900-IIA2-S adpots one ULPA exhaust filter to provide three levels of protection: operator, product and environment.

UV Lamp

Ultraviolet light can be reserved and set automate on/off time. The sterilization time interval from 0 to 24 hours, reducing downtime.

Low Noise and Uniform Airflow

- DC&EC fans operate with lower noise and better uniformity air flow.
- The power of double fans is less than 300W, low energy consumption.

LCD Screen

- Displays real time operating parameters, filters lifecycles and other critical parameters.
- Equipped with multiple audible and visual alarm functions.

Ergonomic Design

10° Inclination Design of Cabinet Body

The front operation interface has an ergonomic design of 10 ° inclination to ensure more comfortable operation.

Debris Grid

Debris grid catches debris such as paper scrap to damage negative pressure zone.

Side Glass Windows

Tempered glass side walls increase visibility and prevents the operator from experiencing a "boxed-in" feeling

Drop-down Glass Door

Drop-down glass door is easy to clean.
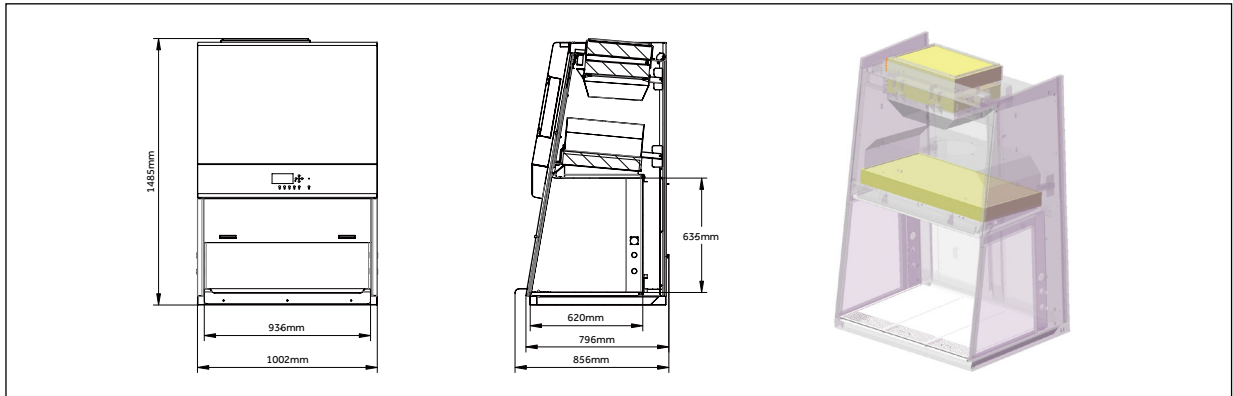
Partitioned Workbench

Easy to lift and clean which can be directly placed into the autoclave.

Raised Arm Rest

- Helps prevent grille blocking.
- Comfortable working posture.

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Product Dimensions

1485mm
936mm
1002mm
636mm
620mm
796mm
856mm

Product Parts

Electrical glass door motor(optional)
Make the user procedure more comfortable

1DC fan &1 EC fan
Two fans ensure the air flow in the safety cabinet is stable.
Energy saving and low noise

Side glass windows
Tempered glass side walls increase visibility and prevents the operator from experiencing a "boxed-in" feeling

4 Valve interfaces
Convenient for users to use water, gas, air, etc.

Adjustable stand (optional)
Support stand can be adjusted from 680 to 900mm

**Legs and casters
(part of the optional stand)**
Universal casters with built-in treaded supporting legs for easy moving and leveling

Filters
HR900 -IIA2-D equipped with two ULPA exhaust filters, U15,99.9995%@0.12um
(HR900 -IIA2-S equipped with one ULPA)

LCD Screen
Displays real time operating parameters, filters lifecycles and other critical parameters
Audible and visual alarm function

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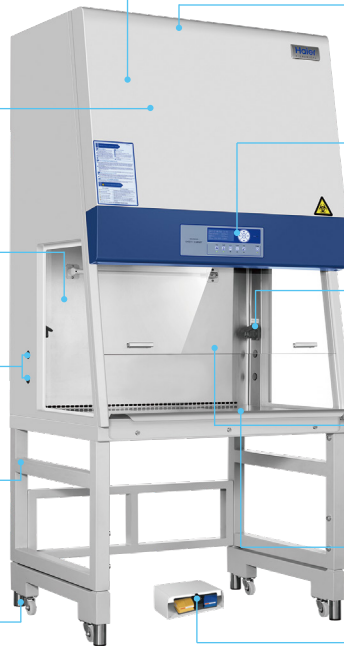Waterproof sockets with timing technology allows users to program timed on/off function

Cabinet Construction
Three piece stainless steel work surface without screws

Workbench
Partitioned workbench is easy to sterilize and clean

Foot Switch (Optional)

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Specifications

Model		HR900-IIA2-D	HR900-IIA2-S
General Specifications	Power Supply(V/Hz)	220-240/50/60	220-240/50/60
	Power(VA)	1500	1500
	Power of Blower(W)	DC 120W EC170W	DC 120W EC170W
	Airflow Circulation	70% Downflow,30% Exhaust	70% Downflow,30% Exhaust
	Main Filter Typical Efficiency	ULPA ,U15,99.9995%@0.12um	ULPA ,U15,99.9995%@0.12um
	Exhaust Filter Typical Efficiency	ULPA×2,U15,99.9995%@0.12um	ULPA ,U15,99.9995%@0.12um
	Exhaust Filter	Double	Single
	Filter's Brand	AAF	AAF
	Downflow Velocity(m/s)	0.3	0.3
	Inflow Velocity(m/s)	0.45	0.45
	Lighting Intensity (Lux)	≥1300	≥1300
	Sound Level(dB(A))	59.7	57.1
Dimensions	Net/Gross Weight kg	290/320	290/320
	lbs	639/705	639/705
	Internal Dimensions(W*D*H) mm	936*620*635	936*620*635
	in	36.9*24.4*25	36.9*24.4*25
	External Dimensions(W*D*H) (Width without Arm Rest) mm	1002*856(796)*1485	1002*856(796)*1485
	in	39.5*33.7(31.3)*58.5	39.5*33.7(31.3)*58.5
	Packing Dimensions(W*D*H) mm	1105*932*1730	1185*925*1720
	in	43.5*36.7*68.1	46.7*36.4*67.7
	Support Stand(mm)	No, 680-900mm adjustable height(optional)	No, 680-900mm adjustable height(optional)
	Sash Opening(mm)	200(Max 490)	200(Max 490)
	Container load (20'/40'/40'H)	11/21/21	11/21/21
Alarm Functions	Alarm	Sound and Flash	Sound and Flash
	Closing Fan Alarm After Door Opening	Y	Y
	Door Ajar	Y	Y
	Abnormal Inflow	Y	Y
	Abnormal Downflow	Y	Y
	Door Open More than Limit	Y	Y
	Filter Clogging	Y	Y
	Filter Damage	Y	Y
	Filter Lifetime Lack	Y	Y
	UV light Lifetime Lack	Y	Y
Accessories	UV Lamp	Y	Y
	Socket	2 Sockets	2 Sockets
	Valve Port	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
	Antimicrobial Powder Coating	Optional	Optional
	316SS Work Surface	Optional	Optional
	Work Surface	Three-piece	Three-piece
	Touch Screen	N	N
	Motorized Window	Optional	Optional
	Foot Switch	Optional	Optional
	Armrest	Y	Y
	Exhaust Duct Connection Kits	Optional	Optional
Others	Certification	CE,UKCA	CE,UKCA

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