Haier Biomedical
Intelligent Protection of Life Science

Hai-Sentra® G

Biological safety cabinet class II
Engineered for Uncompromised Sample, Operator and Environmental Protection
Always Available · Always Reliable

HR900-IIA2-G | HR1200-IIA2-G | HR1600-IIA2-G

Qingdao Haier Biomedical Co., Ltd.

No.280 Fengyuan Road, High-tech Zone,
Qingdao, 266111, Shandong, P.R. China
E-mail: inquiry@haierbiomedical.com
Website: www.haiermedical.com

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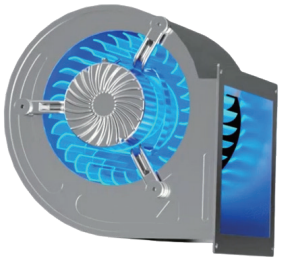
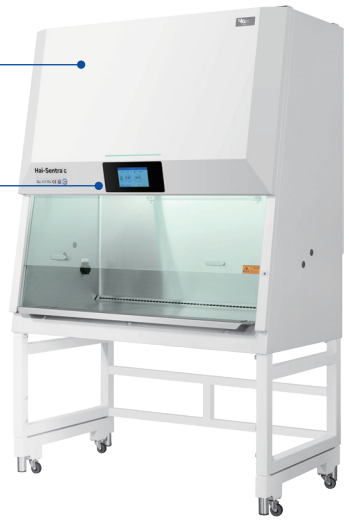


Eco-Silent Technology

- Optimized aerodynamic design with ECM blower delivers ultra quiet operation, outperforming EN 12469-2025 noise requirements and providing superior working place comfort.
- 65% Energy savings with ECM Blower compared to AC Blower
- Close the sash to activate ECO mode. The fan runs at low speed to maintain slight negative pressure within the unit, while significantly lowering noise level and energy consumption.

One-Touch

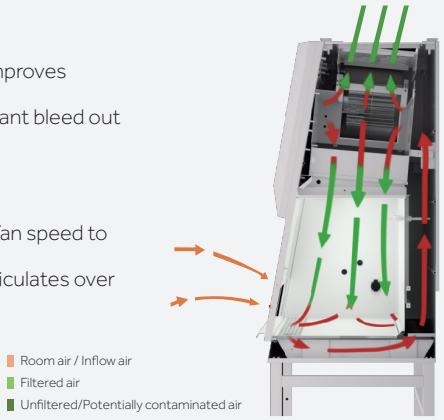
- 7" capacitive touchscreen, intuitive to use by user with gloves
- Displays key safety information graphically on one screen
- Built-in guide to use the cabinet and respond to situations
- Centered and angled down for easy reach & viewing
- Optional: 21 CFR Part 11 Compliance

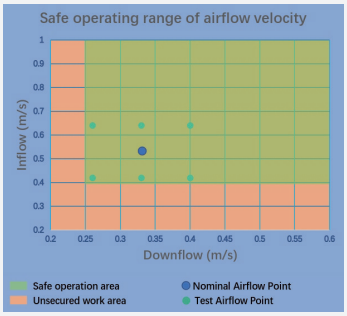


Hai-Sentra G Biological Safety Cabinet Class II
Available in 3 ft, 4 ft and 5 ft models.

Air-Adapt Technology

- Airflow blocking technology with top capture zones improves protection in this critical area susceptible to contaminant bleed out in conventional cabinets.
- Auto-compensation technology dynamically adjusts fan speed to sustain optimal airflow velocity as filters load with particulates over time.



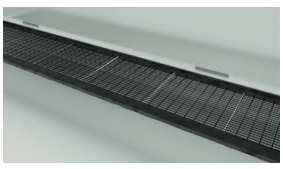


Angled Sash

10° angled front to optimize user comfort, reduce glare and maximize reach into the work area

Easily Accessible Paper Catch Grids

Located beneath the work tray to capture large debris and protect the motor; simple to access and remove for cleaning



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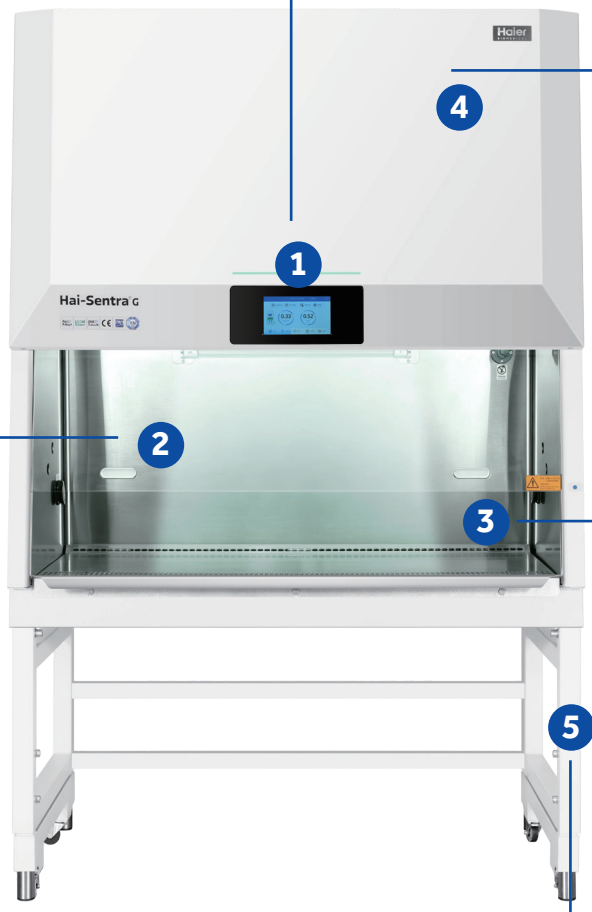
1

Multi-Color LED Status Indicator

Provides clear visual alarms and continuous operational reassurance at a glance.



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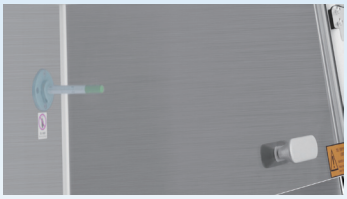
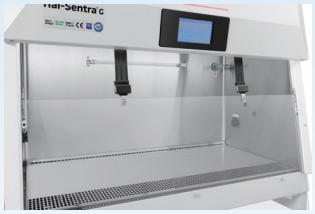


Airflow Velocity Sensors

Real-time monitoring the airflow velocityin the working area and exhaust area of the safety cabinet. Our microprocessor system will automatically adjust wind speed according to safety standard.

2



Easy Clean Design for Sash

Remove the arm rest and pull down the front window sash to easily clean the upper part of the glass.

3

Easy Clean Design for Drain Pan

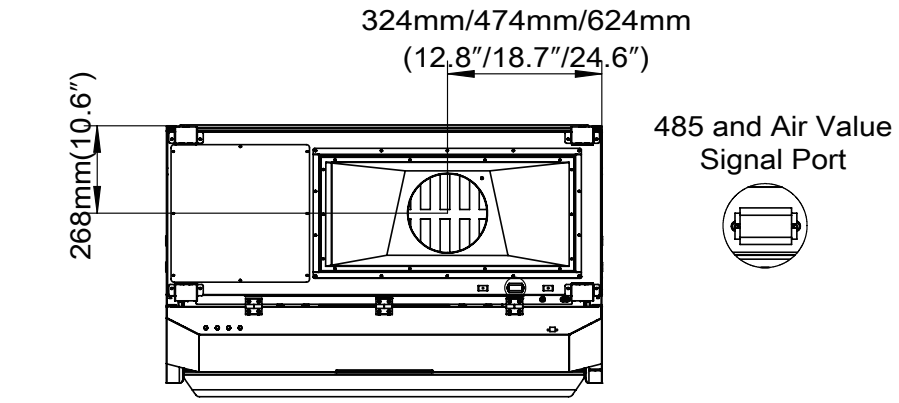
Worktable support beams for effortless drain pan cleaning.

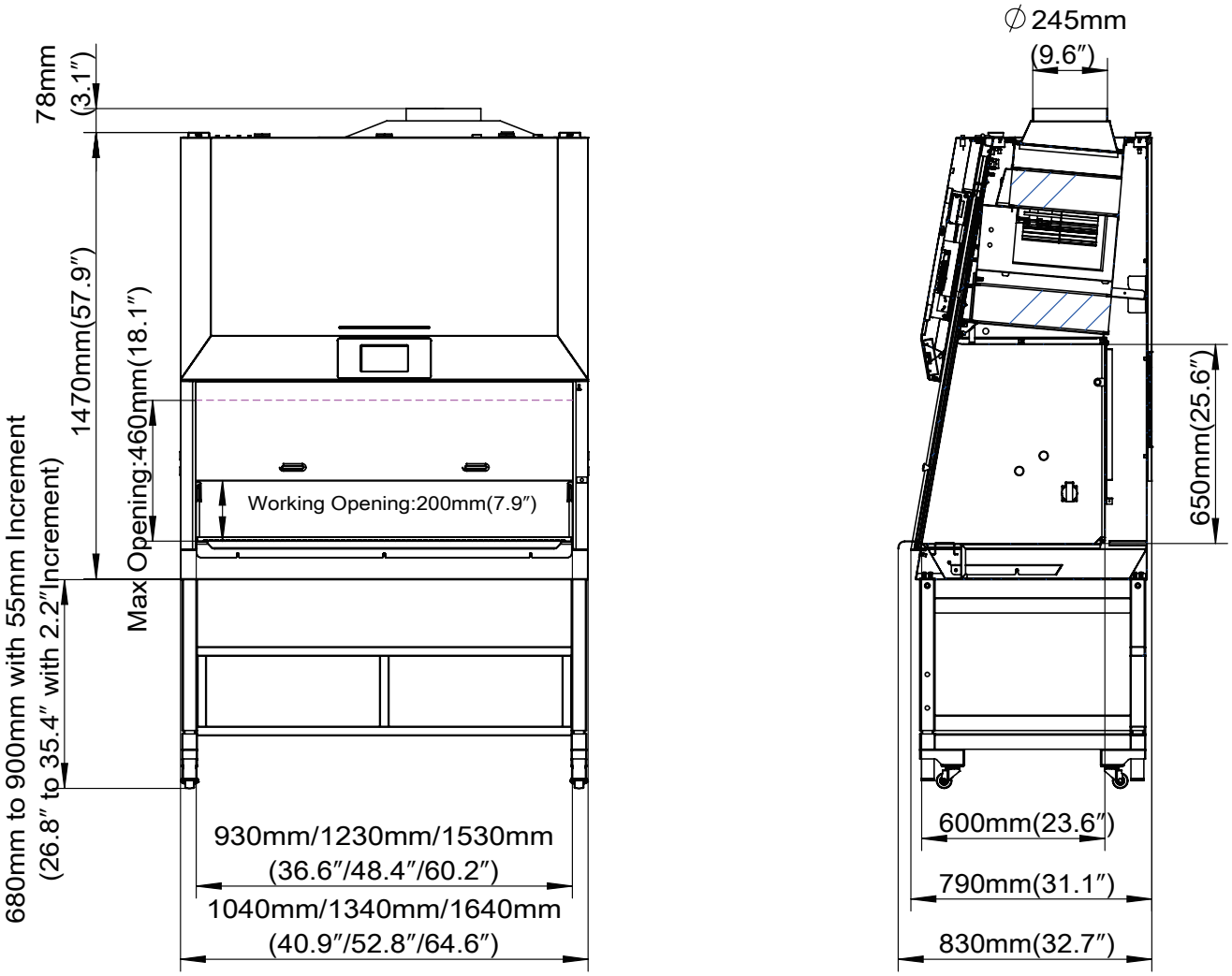
5

Adjustable Support with Caster Base

Standard adjustable support accommodates diverse working height requirements. Four swivel casters enable effortless relocation within the laboratory, while built-in leveling feet guarantee stable placement.

Drawing





*Optional accessories included on this Engineering Drawing

Specifications

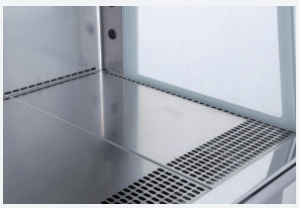
	Model		HR900-IIA2-G	HR1200-IIA2-G	HR1600-IIA2-G
	Order Code		BE0ZC2E00	BE1J83E00	BE1JA2E00
General Specifications	Working Voltage&Frequency(V/Hz)		220~240/50/60	220~240/50/60	220~240/50/60
	Nominal Size(ft)		3	4	5
	Touch Screen		Y(7-inch)	Y(7-inch)	Y(7-inch)
	Nominal Power Consumption (W)		150	180	210
	Airflow Circulation		70% Downflow,30% Exhaust	70% Downflow,30% Exhaust	70% Downflow,30% Exhaust
	Main Filter Typical Efficiency		H14 HEPA EN1822, 99.995% at MPPS	H14 HEPA EN1822, 99.995% at MPPS	H14 HEPA EN1822, 99.995% at MPPS
	Exhaust Filter Typical Efficiency		H14 HEPA EN1822, 99.995% at MPPS	H14 HEPA EN1822, 99.995% at MPPS	H14 HEPA EN1822, 99.995% at MPPS
	Exhaust Filter		Single	Single	Single
	Filter's Brand		AAF	AAF	AAF
	Downflow Velocity(m/s)		0.33	0.33	0.33
	Inflow Velocity(m/s)		0.53	0.53	0.53
	Lighting Intensity (lx)		1300	1250	1200
	Current(A)		10A (Include EO 4A)	10A (Include EO 4A)	10A (Include EO 4A)
	Air Quality		ISO Class3 - 4	ISO Class3 - 4	ISO Class3 - 4
	Noise level (measured according to EN 12469-2025)* Operating position 200mm (7.9")		53.2dB(A)	54.8dB(A)	57.5dB(A)
	Noise Level (measured according to EN 12469-2000) * Operating Position 200mm (7.9")		46.4dB(A)	48.6dB(A)	51.8dB(A)
	Noise Level (measured according to EN 12469-2025) * ECO mode		37.2dB(A)	36.2dB(A)	34.5dB(A)
	Fan		ECM	ECM	ECM
	Solid or Glass Sides		Solid	Solid	Solid
	Bench or Stand Only		Both	Both	Both
Dimensions	Internal Dimensions(W*D*H)	mm	930×600×650	1230×600×650	1530×600×650
		in	36.6×23.6×25.6	48.4×23.6×25.6	60.2×23.6×25.6
	External Dimensions(W*D*H) (Width without Arm Rest)	mm	1040×835(790)×2150	1340×835(790)×2150	1640×835(790)×2150
		in	40.9×32.9(31.1)×84.6	52.8×32.9(31.1) ×84.6	64.6×32.9(31.1)×84.6
	Packing Dimensions(W*D*H)	mm	1105×940×1745	1405×940×1745	1705×940×1745
		in	43.5×37.0×68.7	55.3×37.0×68.7	67.1×37.0×68.7
	Net/Gross Weight	kg	215/266	265/318	320/372
		lbs	474 / 586	584 / 701	705 / 820
	Working Height of Front Window	mm	200	200	200
	Maximum Window Opening (for cleaning, loading/unloading)	mm	460	460	460
	Support Stand	mm	680-900mm adjustable height(standard)	680-900mm adjustable height(standard)	680-900mm adjustable height(standard)
	Container Load (20'/40'/40'H)		8/16/16	8/16/16	6/12/12
Alarm Function	Alarm		Sound and Flash	Sound and Flash	Sound and Flash
	In Flow Abnormal		Y	Y	Y
	Down Flow Abnormal		Y	Y	Y
	Door Position Error		Y	Y	Y
	Temperature Abnormal①		Y	Y	Y
	Humidity Abnormal ②		Y	Y	Y

	Model	HR900-IIA2-G	HR1200-IIA2-G	HR1600-IIA2-G
Accessories	Side Wall Service Ports ③	Y	Y	Y
	LED Light	Y	Y	Y
	UV Lamp	Y	Y	Y
	Socket	2 Sockets	2 Sockets	2 Sockets
	LED Indicator Light	Y	Y	Y
	Side Wall Service Taps	Optional	Optional	Optional
	Side Wall Service Taps	Optional gas tap, vacuum 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
	Solenoid Valve	Optional	Optional	Optional
	Antimicrobial Powder Coating	Optional	Optional	Optional
	316SS Work Surface	Optional	Optional	Optional
	Work Surface	One-piece	One-piece	One-piece
	Motorized Window	Optional	Optional	Optional
	Foot Switch	Optional	Optional	Optional
	Armrest	Y	Y	Y
	Exhaust Duct Connection Kits	Optional	Optional	Optional
Others	Certification	EN 12469-2025	EN 12469-2025	EN 12469-2025

*Noise testing is performed in a third-party anechoic chamber. Readings obtained in ordinary rooms vary with room size, layout and background noise, and may be approximately 3–5 dB(A) higher than the measured values.

① Alarm range is configurable by client ② Alarm range is configurable by client ③ 2 Ports on each side, 4 ports in total.

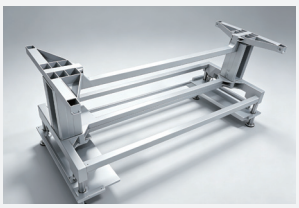
Accessories



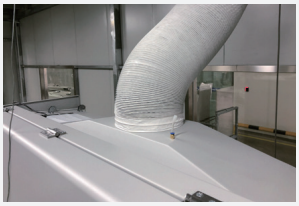
Segmented Work Surfaces

Removable Armrest

316L Stainless Steel Workbench



Electric Stand



Exhaust Hood and Pipe

Solenoid Gas Valve

Foot Pedal

Valve Port

Your Haier Biomedical Partner