

BIOSAFETY CABINET

CLASS II A2

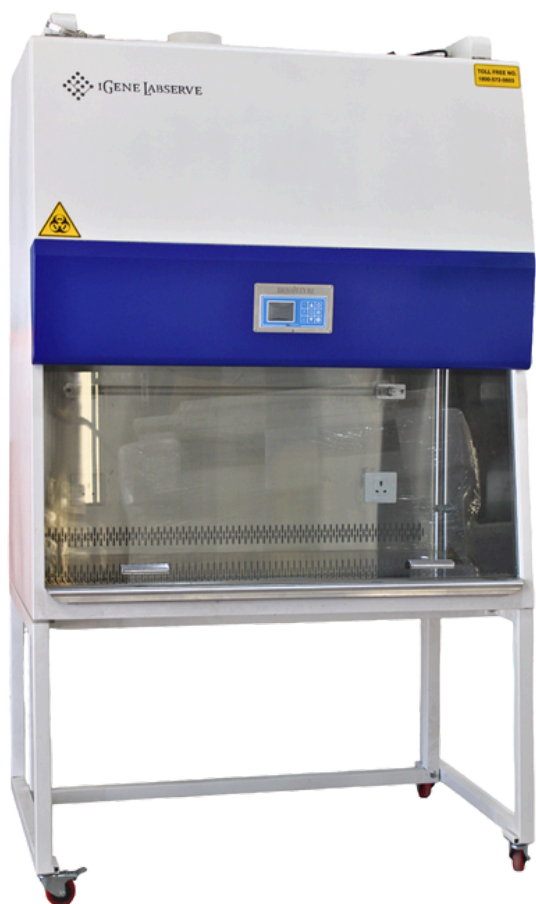


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ABOUT THE COMPANY

iGene Labserve Pvt. Ltd. is gaining recognition by offering resilient, innovative solutions in laboratory instrumentation across healthcare, genomics, drug discovery, biopharma, and food & beverage sectors. We strive to enhance lab efficacy and reduce challenges through advanced technologies and a diverse product portfolio tailored to our customers' needs.



**CLASS II, TYPE A2
BIOSAFETY**

CLASS II, TYPE A2 BIOSAFETY

- The Class II, Type A2 Biosafety Cabinet is designed to provide protection to the operator, environment, and product during handling of low to moderate risk biological materials. It is ideal for use in microbiological research and pharmaceutical environments where protection against contaminants is essential.
- The A2 model utilizes a combination of inflow and downflow HEPA/ULPA filtered air, creating a sterile environment within the work area, while simultaneously preventing exposure to hazardous substances. Featuring a motorized/ manual front window, touch screen/LCD display, and advanced airflow control system, this cabinet ensures ease of use, safety, and superior performance



**CLASS II, TYPE A2
BIOSAFETY (NSF 49)**



CONSTRUCTION

- These cabinets are ergonomically designed to provide long service life. Only thick metal sheets and pipes are used in construction so that you may get the finest and safest Biosafety Cabinet in the market today. There are three different MOC used.
- Complete Stainless Steel 304 / 316.
- Inner Stainless Steel, Outer Mild Steel.
- Stainless Steel bench, rest mild Steel.
- NSF-certified unit is built with an anti-bacterial powder-coated steel sheet exterior and an interior work chamber crafted from SS 304 stainless steel.

FEATURES:

- Motorized/Manual Front Window: Adjustable front window made from two-layer laminated toughened glass with UV protection.
- Capacitive Touch Display/LCD: Real-time monitoring, fault alarms, and display of various values.
- Adjustable Airflow: ECM (DC) blower/EBM (AC) blower with automatic wind speed adjustment.
- Power-Off Memory: Automatically restores settings post power-off, with visual and alarm prompts.
- Ergonomic Design: Integrated operation area for easier disassembly and cleaning, with customizable base height.
- Safety Interlocks: UV lamp interlocks with front window and fan to ensure safety during operation.
- Pre-set Timers: Schedule automatic startup/shutdown, control UV lamps, fans, and sockets.
- Comfortable Hand Resting Surface: Large contact area for comfort during operation.
- Energy Efficient: Airspeed adjustable to match filter blockage, reducing energy consumption.



SPECIFICATIONS

Model	2 x 2 x 2 ft		4 x 2 x 2 ft		6 x 2 x 2 ft	
Feature	IG-CIIA222G (NSF)	IG- CIIA2222	IG-CIIA242G (NSF)	IG-CIIA2422	IG-CIIA262G (NSF)	IG-CIIA2622
External Size (W*D*H)	705*650*1290 mm	670*794*1509mm	1383*775*2220 mm	1280*794*1509mm	1873*775*2240 mm	1890*794*1509mm
Internal Size (W*D*H)	605*500*540 mm	610 x 610 x 610 mm	1210*600*660 mm	1219 x 610 x 610 mm	1700*600*660 mm	1829 x 610 x 610 mm
Work Surface Height	750 mm	762mm	762 mm	762mm	782 mm	762mm
Max Opening	370 mm	460mm	470mm	460mm	470mm	460mm
Tested Opening	Safety height 254 mm (10")					
Airflow Volume (Inflow)	290 m ³ /h (170 cfm)	240 m ³ /h (cfm)	587 m ³ /h (346 cfm)	595 m ³ /h (350 cfm)	824 m ³ /h (485 cfm)	892 m ³ /h (525 cfm)
Airflow Volume (Downflow 65%)	360 m ³ /h (211 cfm)	442 m ³ /h (260 cfm)	863 m ³ /h (507 cfm)	884 m ³ /h (520 cfm)	1212 m ³ /h (713 cfm)	1325 m ³ /h (780 cfm)
Airflow Volume (Exhaust 35%)	290 m ³ /h (170 cfm)	204 m ³ /h (120 cfm)	587 m ³ /h (346 cfm)	443 m ³ /h (261 cfm)	824 m ³ /h (485 cfm)	666 m ³ /h (392 cfm)
Front Window	Motorized, Two-layer laminated toughened glass, Anti-UV	Two-layer laminated toughened glass, Anti-UV	Motorized, Two-layer laminated toughened glass, Anti-UV	Two-layer laminated toughened glass, Anti-UV	Motorized, Two-layer laminated toughened glass, Anti-UV	Two-layer laminated toughened glass, Anti-UV
Filter	ULPA 99.9995% efficiency at 0.12 µm	HEPA 99.9995% efficiency at 0.3 µm	ULPA 99.9995% efficiency at 0.12 µm	HEPA 99.9995% efficiency at 0.3 µm	ULPA 99.9995% efficiency at 0.12 µm	HEPA 99.9995% efficiency at 0.3 µm
Noise	NSF 49 ≤ 65 dB	<65 dB	NSF 49 ≤ 65 dB	<65 dB	NSF 49 ≤ 65 dB	<65 dB
Display	Capacitive Touch Screen	Membrane keypad / Touch	Capacitive Touch Screen	Membrane keypad / Touch	Capacitive Touch Screen	Membrane keypad / Touch
Power Consumption	500 W	600 W	500 W	700W	700 W	800W
Blower	ECM Blower (DC) AC 230V (NSF), Speed adjustable	EBM (AC) AC 230 V blower Speed adjustable	ECM Blower (DC) AC 230V (NSF), Speed adjustable	EBM (AC) AC 230 V blower Speed adjustable	ECM Blower (DC) AC 230V (NSF), Speed adjustable	EBM (AC) AC 230 V blower, Speed adjustable
Certification	NSF49	CE	NSF49	CE	NSF49	CE
Package Size (W*D*H)	820*910*1500 mm	770*892*1708 mm	1540*1080*1900 mm	1380*892*1708 mm	2020*1080*1900 mm	1989*892*1708 mm
Gross Weight	190 kg	160kg	330 kg	280 kg	410 kg	430 kg



iGENE LABSERVE®
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