



iGENE LABSERVE®
Innovative • Interactive • Intuitive

iShield Biosafety Cabinet

Class II, Type A2 and B2 Biological Safety Cabinets
Energy-Efficient, Safe, and Ergonomic
Biosafety Cabinet



CERTIFICATIONS



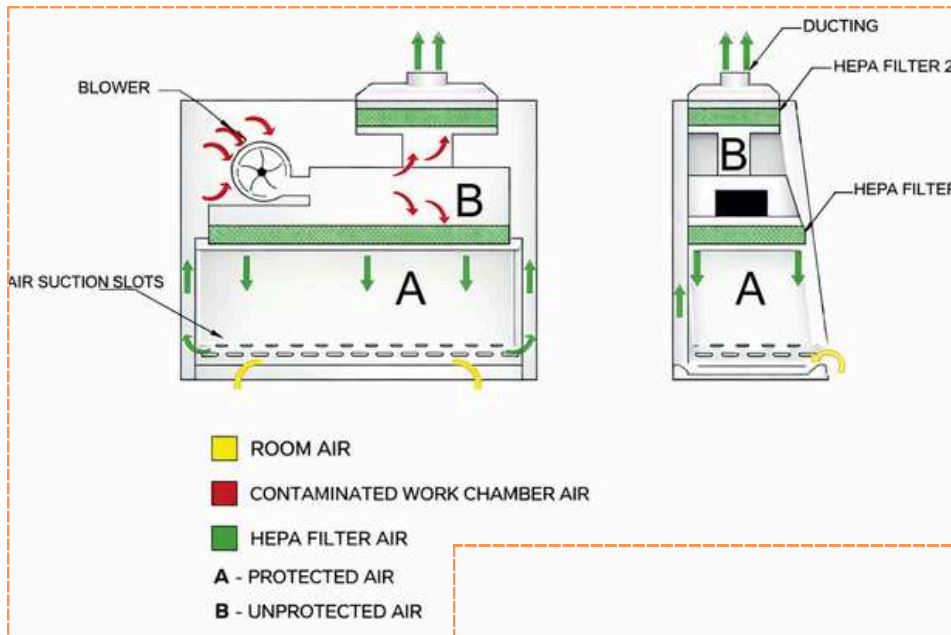
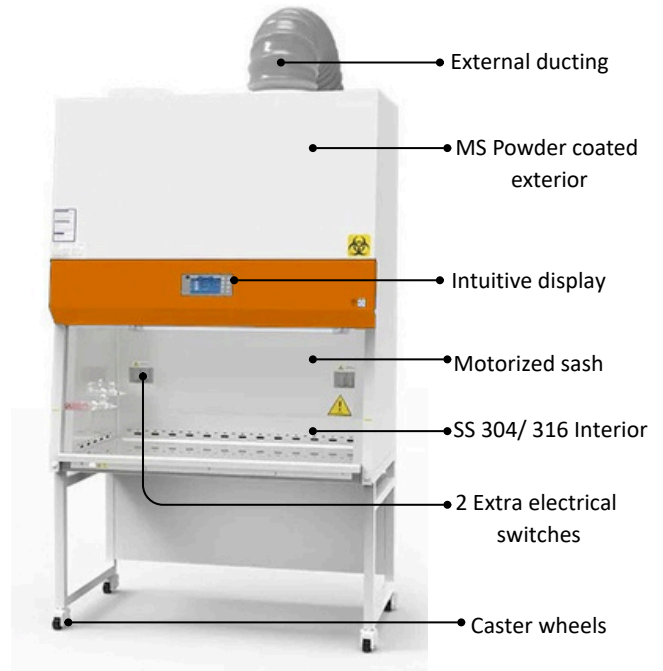
GeM
Government
e Marketplace



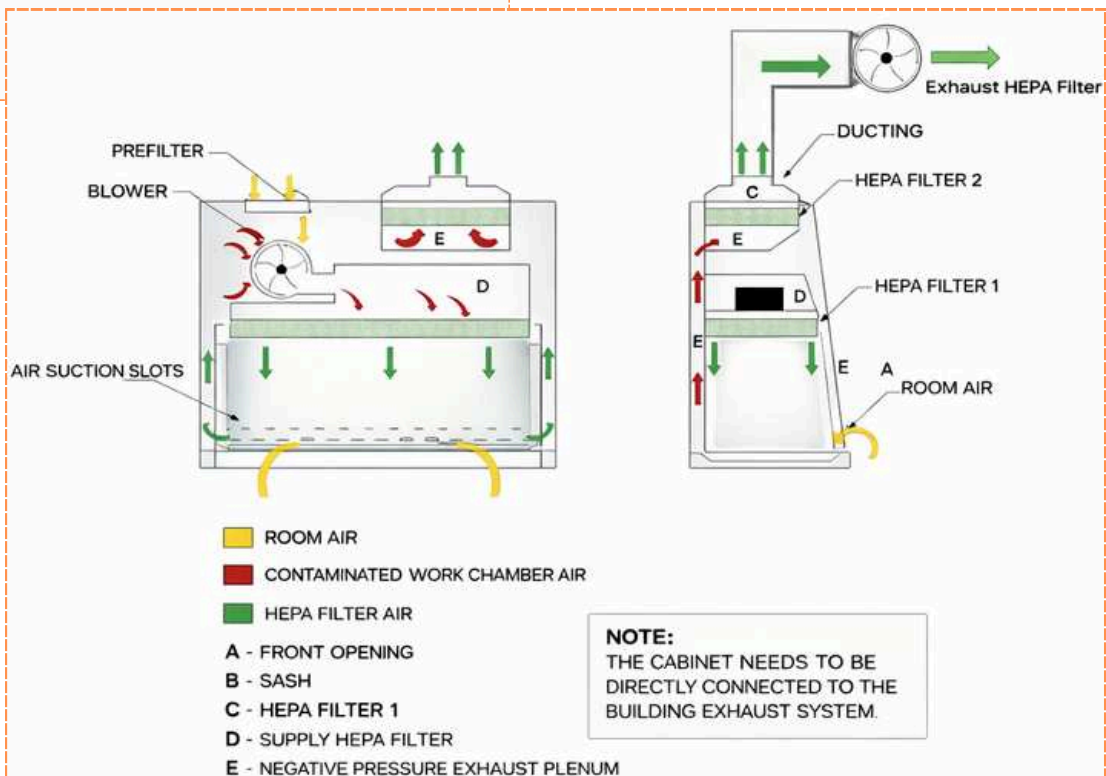
MSME
MICRO, SMALL & MEDIUM ENTERPRISES
एन एम आई सी

एन एम आई सी
NSIC
ISO 9001 : 2008





**Class II B2: 100%
air exhaust out**

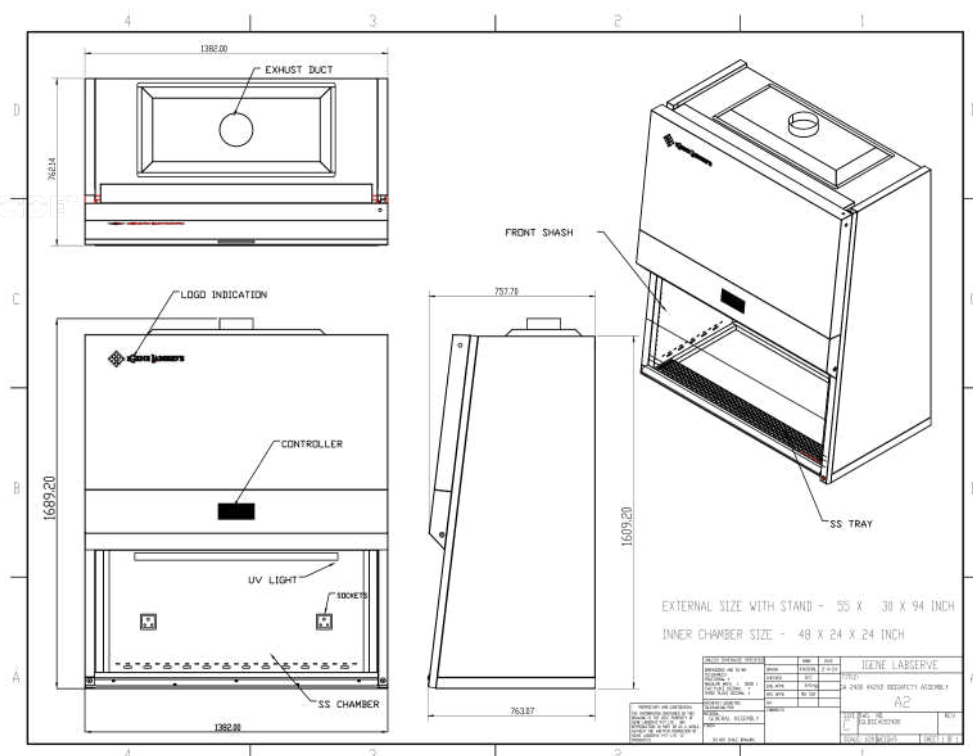


- 

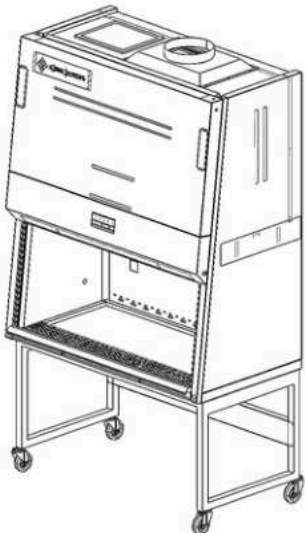
- ULPA/ HEPA Filter

-
- Filter Efficiency Comparison: HEPA vs. ULPA**
- The graph illustrates the efficiency of HEPA and ULPA filters across a range of particle sizes. The ULPA filter maintains a constant efficiency of 99.999%, while the HEPA filter shows a slight dip in efficiency at 0.3 µm.
- | Particle Size (µm) | HEPA Efficiency (%) | ULPA Efficiency (%) |
|--------------------|---------------------|---------------------|
| 0.0 | 99.988 | 99.999 |
| 0.1 | 99.980 | 99.999 |
| 0.2 | 99.972 | 99.999 |
| 0.3 | 99.970 | 99.999 |
| 0.4 | 99.978 | 99.999 |
| 0.5 | 99.988 | 99.999 |
| 0.6 | 99.995 | 99.999 |
- Legend:
- HEPA Filter (99.97% @ 0.3µm)
 - ULPA Filter (99.999% @ 0.1-0.3µm)

Ensures easy mobility of the instrument.

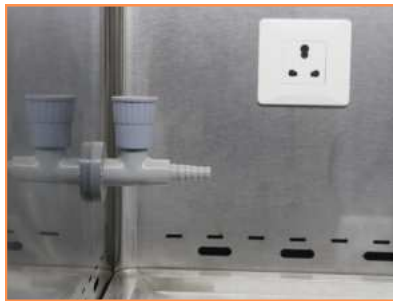


4 X 2 X 2 Biosafety Cabinet Assembly



Dynamic Chamber

- Blower plenum and side walls are surrounded by negative pressure
- Prevent contaminants from escaping outside



Single Piece Wall

- Large radius for easy cleaning Side-mounted electrical outlets and
- staggered service fixtures, for easy reach



Single Piece Work Tray

- Recessed to contain spillage
- Curved grill to prevent blockage

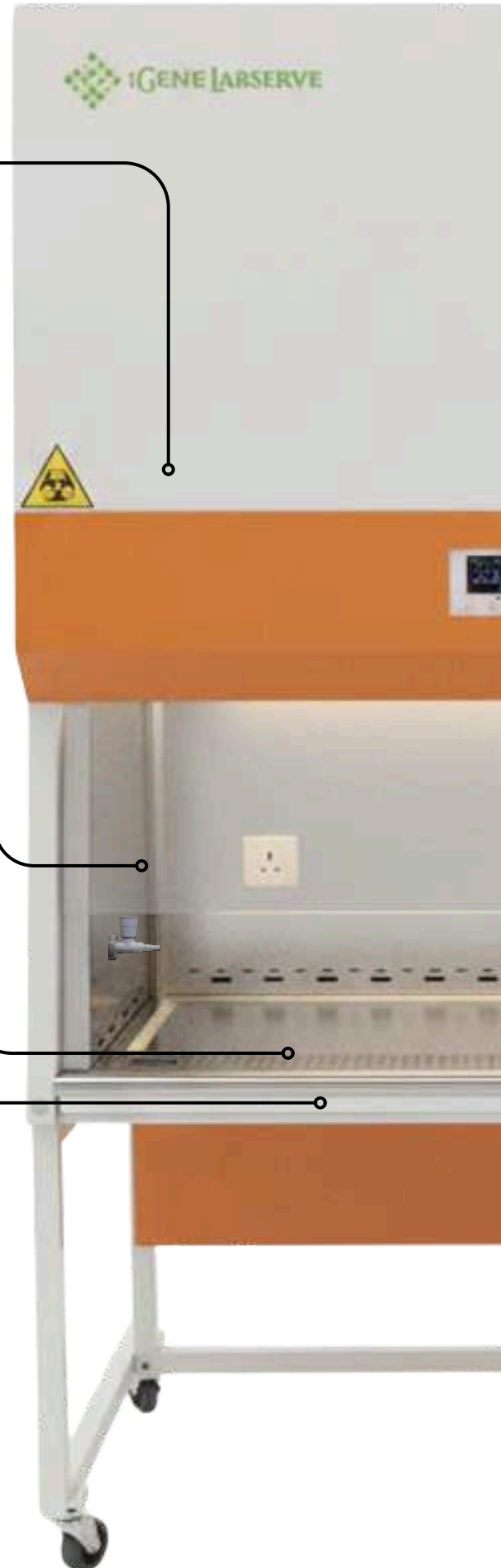


Front grills with arm rest

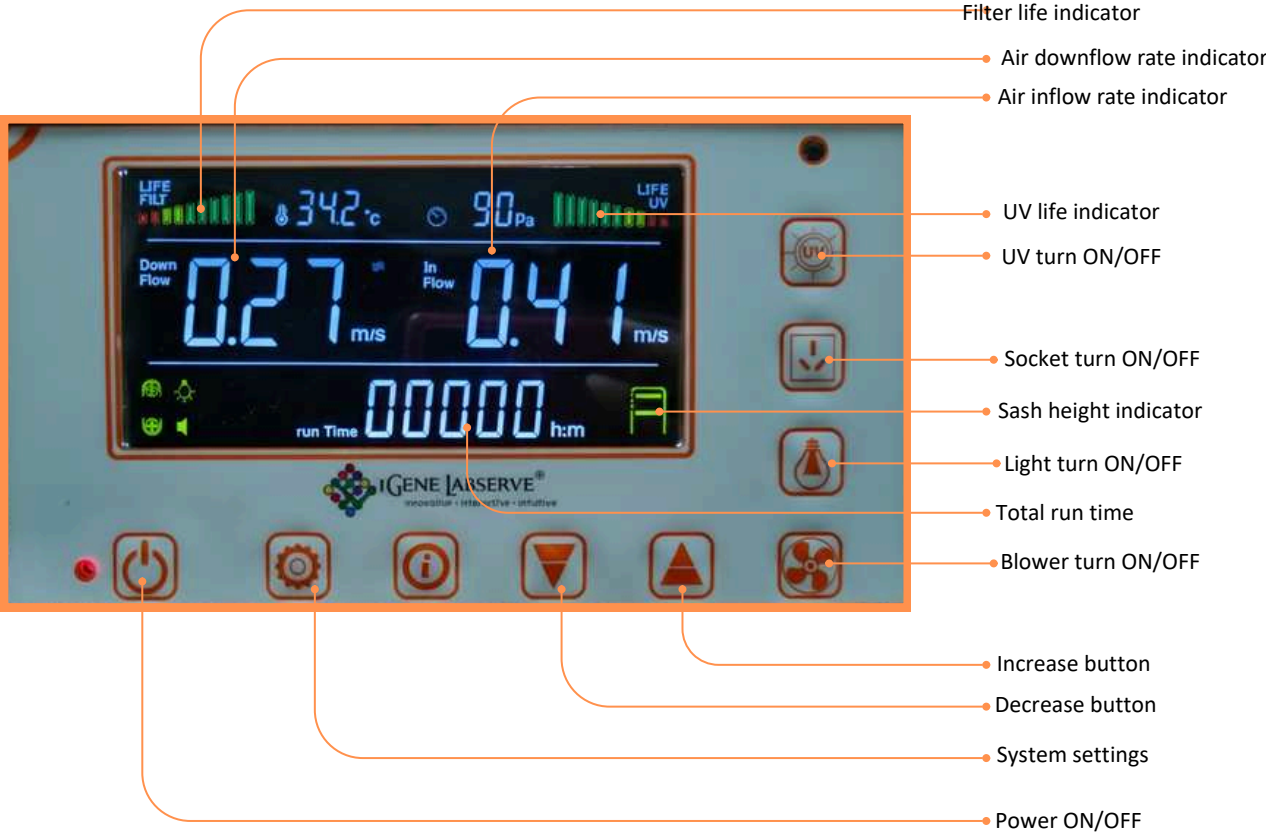
- Helps prevent grille blocking
- Comfortable working posture

Remote-controlled operation for enhanced convenience

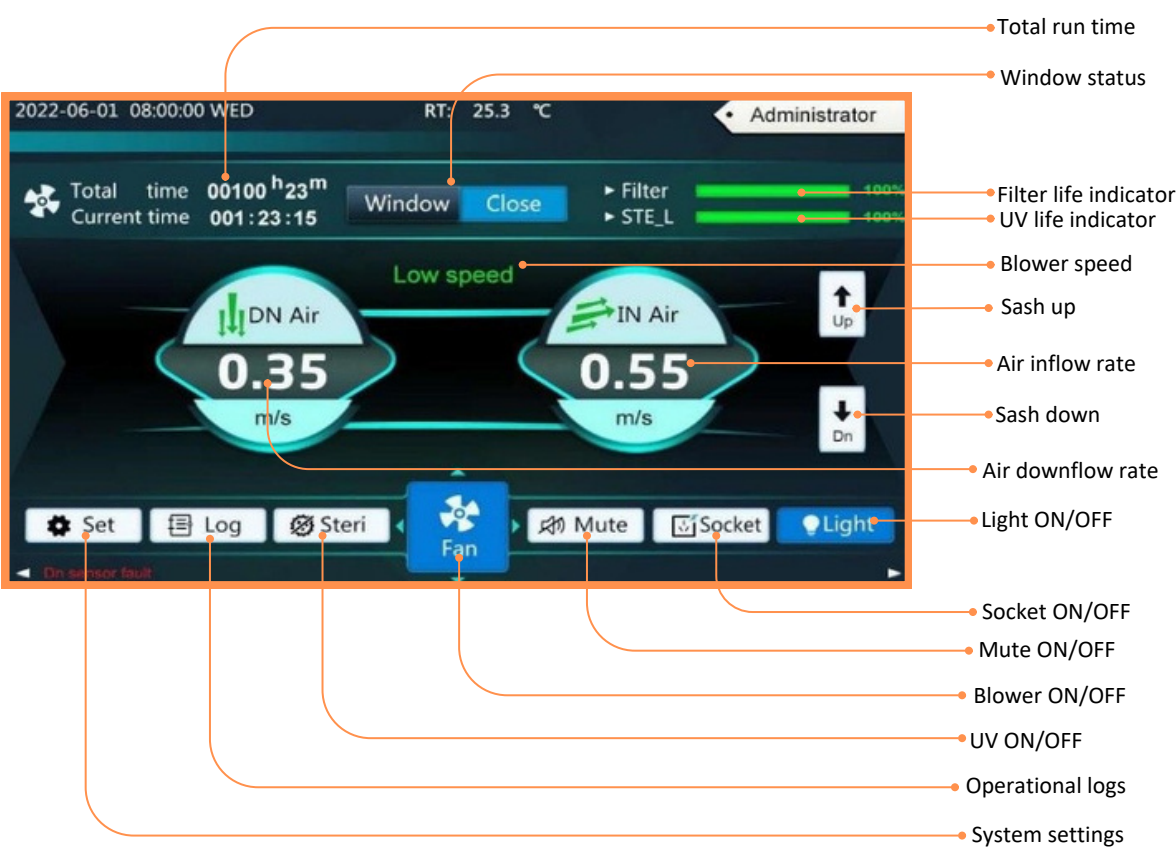
- Precise control of sash movement (up/down)
- Remote ON/OFF control of UV lamp
- Blower operation control
- Lighting system control
- Easy parameter setting and adjustment



2200 Series



2400 Series



Class II type A2 Biosafety Cabinet Technical Specification

Model	Dimension (ft)	Internal Size (mm)	External Size without stand (mm)	External size with stand (mm)	Airflow Volume (Inflow)	Airflow Volume (Downflow)	Filter Type	Noise	Display	Certification
IG-CIIA222G (NSF)	2 x 2 x 2	605 x 500 x 540	705 x 650 x 1290	705 x 650 x 2220	290 m³/h	360 m³/h	ULPA 99.999 5% @ 0.12 µm	≤65 dB	Touchscreen	NSF49
IG-CIIA2222 (Std)	2 x 2 x 2	610 x 610 x 610	774 x 764 x 1690	774 x 764 x 2400	240 m³/h	442 m³/h	HEPA 99.97 % @ 0.3 µm	<65 dB	LCD/KeyPad	CE
IG-CIIA242G (NSF)	4 x 2 x 2	1210 x 600 x 660	1383 x 775 x 1290	1383 x 775 x 2220	587 m³/h	863 m³/h	ULPA	≤65 dB	Touchscreen	NSF49
IG-CIIA2422 (Std)	4 x 2 x 2	1220 x 610 x 610	1382 x 764 x 1690	1382 x 764 x 2400	595 m³/h	884 m³/h	HEPA	<65 dB	LCD/Keypad	CE
IG-CIIA262G (NSF)	6 x 2 x 2	1700 x 600 x 660	1873 x 775 x 1290	1873 x 775 x 2220	824 m³/h	1212 m³/h	ULPA	≤65 dB	Touchscreen	NSF49
IG-CIIA2622 (Std)	6 x 2 x 2	1829 x 610 x 610	1991 x 764 x 1690	1995 x 764 x 2400	892 m³/h	1325 m³/h	HEPA	<65 dB	LCD/KeyPad	CE

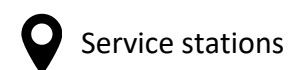
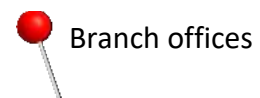
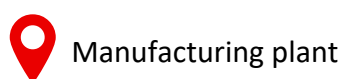
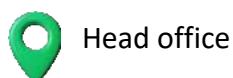


Class II type B2 Biosafety Cabinet Technical Specification

Model	Dimension (ft)	Internal Size (mm)	External Size without stand (mm)	External size with stand (mm)	Exhaust Volume	Airflow Velocity	Filter Type	Noise	Display	Certification
IG-CIIB242G (NSF)	4 x 2 x 2	1210 x 600 x 660	–	–	1320 m³/h	Tested opening	ULPA 99.9995% @ 0.12 µm	≤60 dB	Touchscreen	NSF49
IG-CIIB2222(Std)	2 x 2 x 2	610 x 610 x 610	774 x 764 x 1690	774 x 764 x 2400	100% Exhaust	105 fpm	HEPA 99.97% @ 0.3 µm	<60 dB	LCD	CE
IG-CIIB2322(Std)	3 x 2 x 2	914 x 610 x 610	1080 x 764 x 1690	1080 x 764 x 2400	–	–	HEPA	<60 dB	LCD	CE
IG-CIIB2622(Std)	6 x 2 x 2	1829 x 610 x 610	1995 x 764 x 1690	1995 x 764 x 2400	–	–	HEPA	<60 dB	LCD	CE



Model No.	Description	Unit
IG-CIIA222G	Class II A2 Biosafety Cabinet – internal dimension 605 x 500 x 540 mm (NSF) supplied with a main body, UV lamp, base stand, multiple fuses (12.5A, 6.3A, 2.5A), drain valve set, rubber gaskets, SS screws/washers, hex wrench, remote control, tubular motor rod key.	1 Unit
IG-CIIA2222	Class II A2 Biosafety Cabinet – internal dimension 610 x 610 x 610 mm (Standard) supplied with a main body, power cord, tray, ducting, drain valve, stand (4 pcs), nut bolts, duct clamp, remote control (only with PID), fuse 10A x2.	1 Unit
IG-CIIA242G	Class II A2 Biosafety Cabinet – internal dimension 1210 x 600 x 660 mm (NSF) supplied with a main body, UV lamps, base stand, fuses, drain valve set, gaskets, screws, remote, hex wrench, tubular motor rod key.	1 Unit
IG-CIIA2422	Class II A2 Biosafety Cabinet – internal dimension 1220 x 610 x 610 mm (Standard) supplied with a main body, power cord, tray, ducting, drain valve, stand, nuts/bolts, duct clamp, remote (with PID), fuse 10A x2.	1 Unit
IG-CIIA262G	Class II A2 Biosafety Cabinet – internal dimension 1700 x 600 x 660 mm (NSF) supplied with a main body, UV lamps, base stand, fuses, drain valve set, gaskets, screws, remote, hex wrench, tubular motor rod key.	1 Unit
IG-CIIA2622	Class II A2 Biosafety Cabinet – internal dimension 1829 x 610 x 610 mm (Standard) supplied with a main body, power cord, tray, ducting, drain valve, stand, nut bolts, duct clamp, remote (with PID), fuse 10A x2.	1 Unit
IG-CIIB242G	Class II B2 Biosafety Cabinet – internal dimension 1210 x 600 x 660 mm (NSF) supplied with a main body, UV lamp 30W, base stand, fuses (12.5A, 6.3A, 2.5A, 16A), drain valve set, rubber gaskets, screws, hex wrench, remote control, tubular motor rod key.	1 Unit
IG-CIIB2222	Class II B2 Biosafety Cabinet – internal dimension 610 x 610 x 610 mm (Standard) supplied with a main body, power cord, tray, ducting, drain valve, stand, nut bolts, duct clamp, blower + blower stand, remote (with PID), fuse 16A x2.	1 Unit
IG-CIIB2322	Class II B2 Biosafety Cabinet – internal dimension 914 x 610 x 610 mm (Standard) supplied with a main body, power cord, tray, ducting, drain valve, stand, nuts, duct clamp, blower, blower stand, remote (with PID), 16A fuses.	1 Unit
IG-CIIB2622	Class II B2 Biosafety Cabinet – internal dimension 1829 x 610 x 610 mm (Standard) supplied with a full Standard B2 accessory kit included.	1 Unit



10000+ Installations globally

GET IN TOUCH

 Toll Free No.: 1800572 0603

 Email: info@igenels.com

 Website: <https://www.igenels.com>