



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

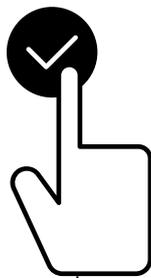


GeM
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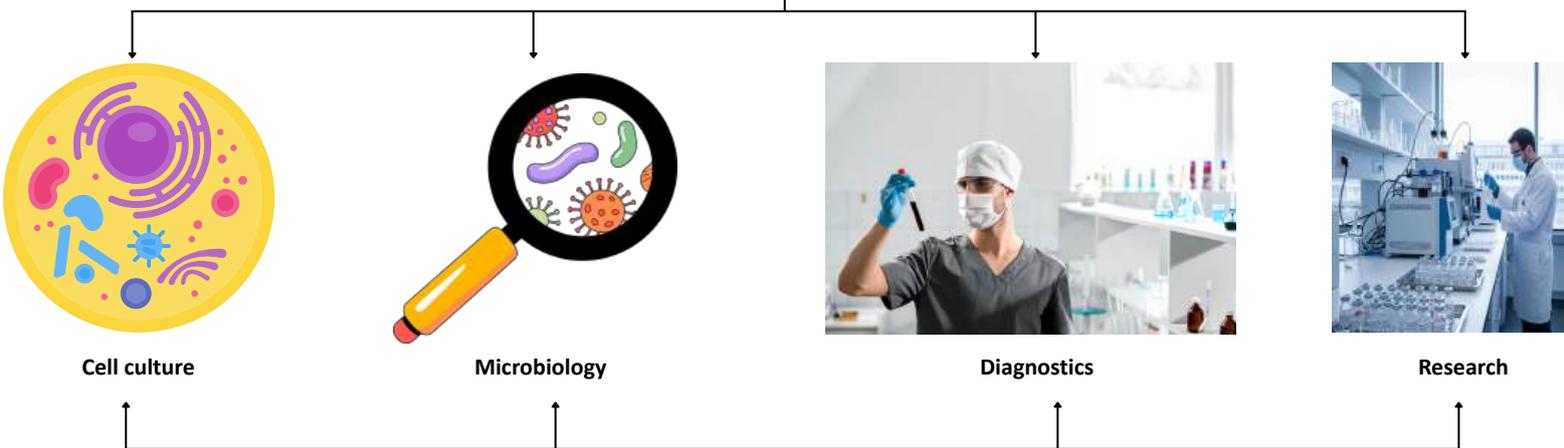


एन एस आई सी
NSIC
ISO 9001 : 2008





What is your laboratory application?



Are volatile toxic chemicals or radionuclides used?

Yes → Continue
 No → Go for Class II A2 Biosafety Cabinet

Is 100% exhaust of contaminated air required?

Yes → Go for Class II B2 Biosafety Cabinet
 No / Occasional use → Go for Class II Type A2 (with ducting if required)



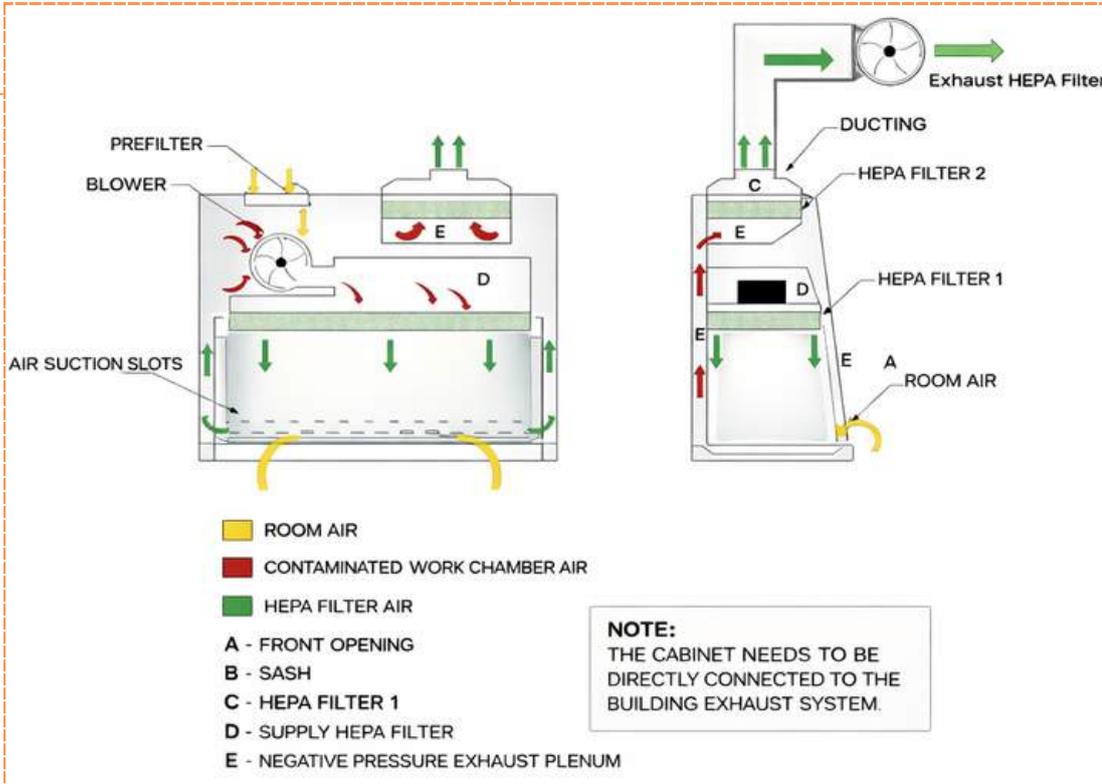
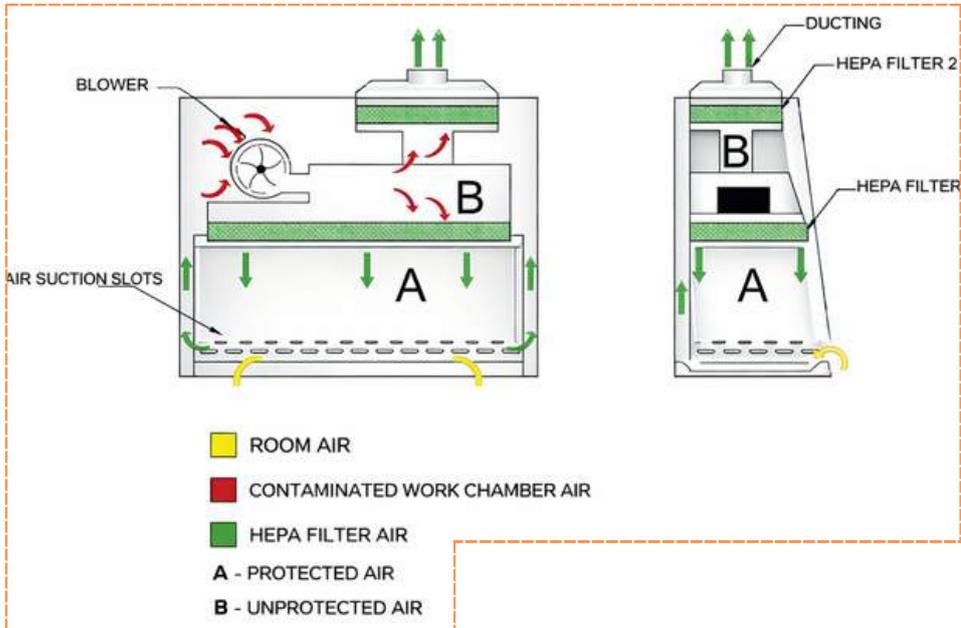
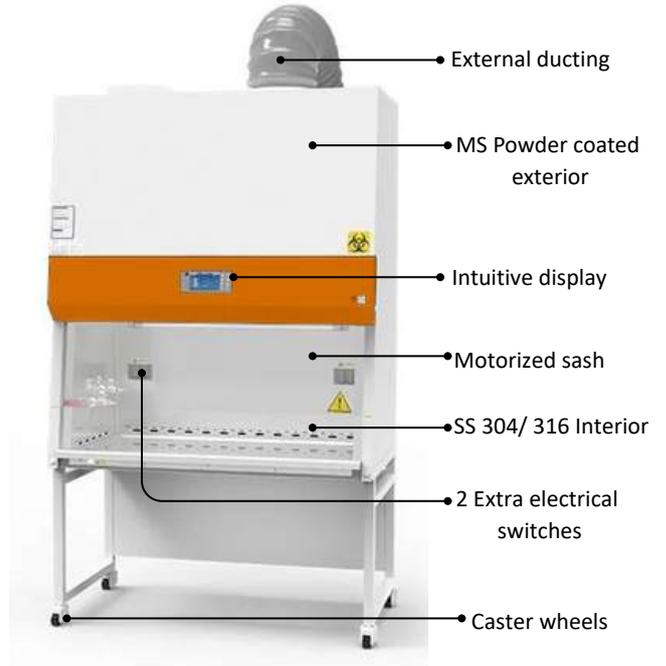
Select work area size

- 2 ft – Compact labs / limited space
- 4 ft – Standard laboratory workflow
- 6 ft – High sample volume / multi-user work

Choose filtration type

- **ULPA Filter:** 99.999% efficiency – critical & high-risk applications
- **HEPA Filter:** 99.97% efficiency – routine laboratory work

iGene Labsolve Class II A2 & B2 Biosafety Cabinets



Energy Efficient AC/DC-ECM Motor

- Powered by latest generation AC/DC-ECM motor
- Stable airflow, despite building voltage fluctuations & filter loading



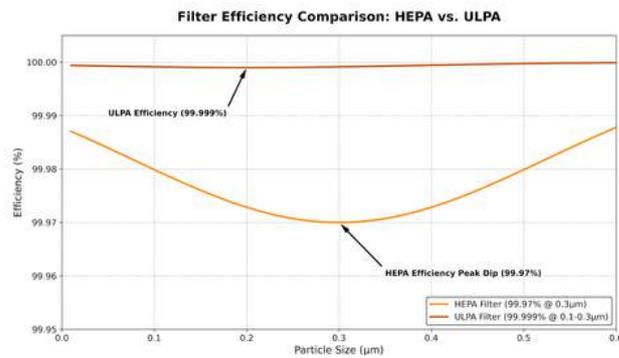
HEPA filter: Offer 99.97% typical efficiency at 0.3 micron.



ULPA filter: 99.999% typical efficiency for particle sizes of 0.1 to 0.3 micron.

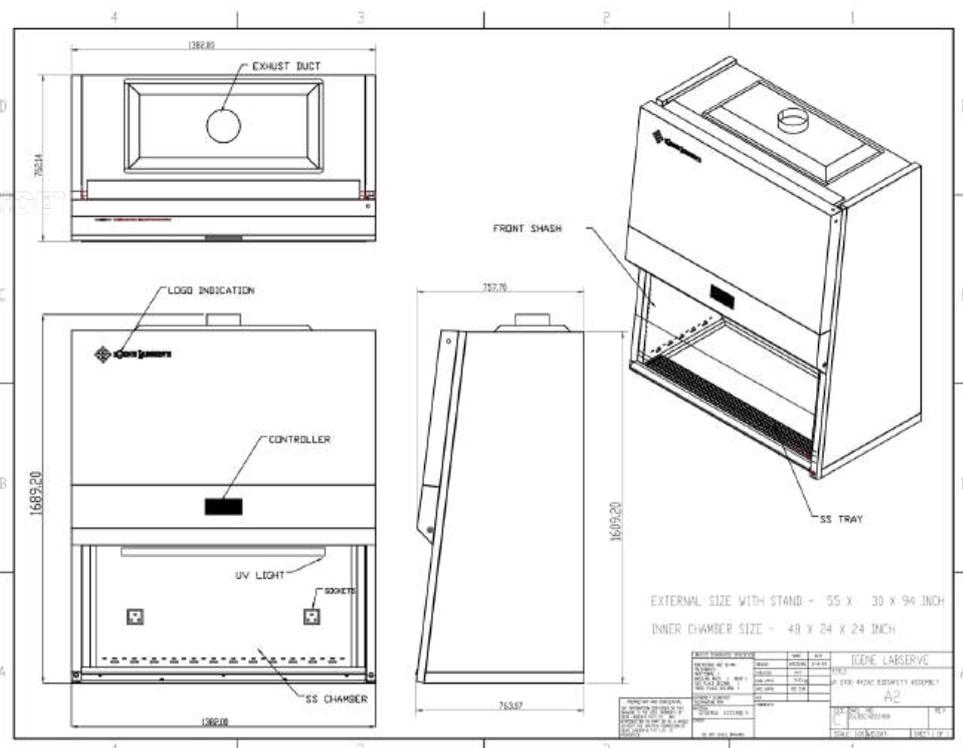
ULPA/ HEPA Filter

- Advanced high-efficiency filtration system for effective capture of fine airborne particles.
- Supports consistent airflow quality for critical laboratory operations.

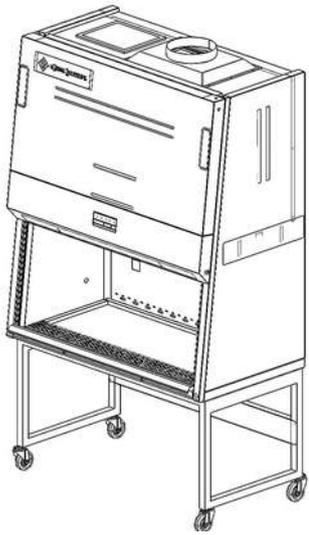


Lockable Caster wheels

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

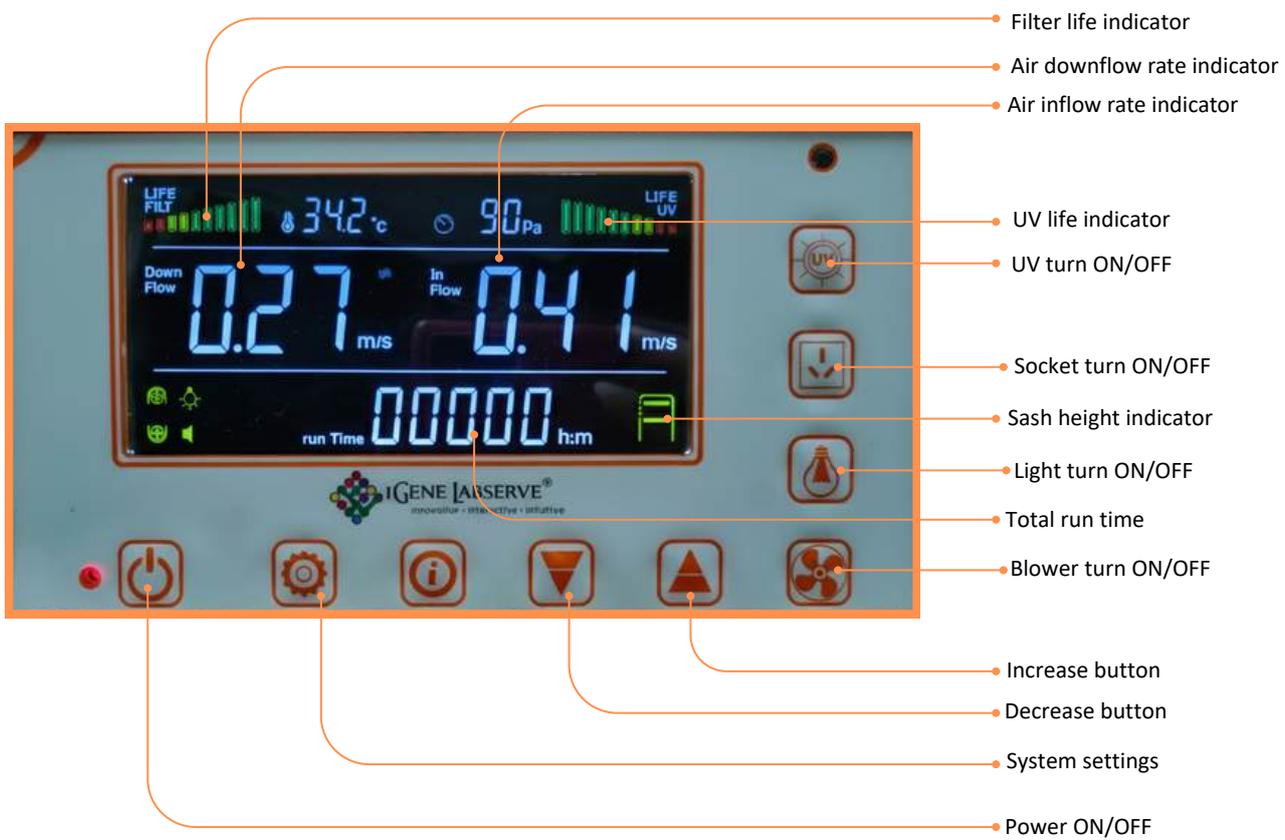
Remote-controlled operation for enhanced convenience

- 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

iGENE LABSERVE



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 Certified)	2 x 2 x 2	605 x 500 x 540	705 x 650 x 1290	705 x 650 x 2220	290 m ³ /h	360 m ³ /h	ULPA 99.9995 % @ 0.12 μm	≤65 dB	Touchscreen	NSF49
IG-CIIA2222 (NSF-compliant)	2 x 2 x 2	610 x 610 x 610	774 x 764 x 1690	774 x 764 x 2400	240 m ³ /h	442 m ³ /h	HEPA 99.97% @ 0.3 μm	<65 dB	LCD/KeyPad	CE
IG-CIIA232G (NSF Certified)	3 x 2 x 2	910 x 600 x 660	1087x 775 x 1458	1085 X 765 X 2220	445 m ³ /h	649 m ³ /h	ULPA 99.9995 % @ 0.12 μm	≤65 dB	Touchscreen	NSF49
IG-CIIA2322 (NSF-compliant)	3 x 2 x 2	910 X610 X610	1085 X 765 X 1690	1085 X 765 X 2400	445 m ³ /h	649 m ³ /h	HEPA 99.97% @ 0.3 μm	<65 dB	LCD/KeyPad	CE
IG-CIIA242G (NSF Certified)	4 x 2 x 2	1210 x 600 x 660	1383 x 775 x 1290	1383 x 775 x 2220	587 m ³ /h	863 m ³ /h	ULPA 99.9995 % @ 0.12 μm	≤65 dB	Touchscreen	NSF49
IG-CIIA2422 (NSF-compliant)	4 x 2 x 2	1220 x 610 x 610	1382 x 764 x 1690	1382 x 764 x 2400	595 m ³ /h	884 m ³ /h	HEPA 99.97% @ 0.3 μm	<65 dB	LCD/Keypad	CE
IG-CIIA262G (NSF Certified)	6 x 2 x 2	1700 x 600 x 660	1873 x 775 x 1290	1873 x 775 x 2220	824 m ³ /h	1212 m ³ /h	ULPA 99.9995 % @ 0.12 μm	≤65 dB	Touchscreen	NSF49
IG-CIIA2622 (NSF-compliant)	6 x 2 x 2	1829 x 610 x 610	1991 x 764 x 1690	1995 x 764 x 2400	892 m ³ /h	1325 m ³ /h	HEPA 99.97% @ 0.3 μm	<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 Certified)	4 x 2 x 2	1210 x 600 x 660	–	–	1320 m ³ /h	Tested opening	ULPA 99.9995% @ 0.12 μm	≤60 dB	Touchscreen	NSF49
IG-CIIB2222 (NSF-compliant)	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 (NSF-compliant)	3 x 2 x 2	914 x 610 x 610	1080 x 764 x 1690	1080 x 764 x 2400	–	–	HEPA 99.97% @ 0.3 μm	<60 dB	LCD	CE
IG-CIIB2422 (NSF-compliant)	4 x 2 x 2	1219 x 610 x 610	1382 x 764 x 1690	1382 x 764 x 2400	-	-	HEPA 99.97% @ 0.3 μm	<60 dB	LCD	CE
IG-CIIB2622 (NSF-compliant)	6 x 2 x 2	1829 x 610 x 610	1995 x 764 x 1690	1995 x 764 x 2400	–	–	HEPA 99.97% @ 0.3 μm	<60 dB	LCD	CE



Ordering Informaion

Model No.	Description	Unit
IG-CIIA222G	Class II A2 Biosafety Cabinet – internal dimension 605 x 500 x 540 mm (NSF certified) 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 (NSF-compliant) 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-CIIA232G	Class II A2 Biosafety Cabinet – internal dimension 910 x 600 x 660 mm (NSF certified) 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-CIIA2322	Class II A2 Biosafety Cabinet – internal dimension 910 X610 X 610 mm (NSF-compliant) 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 certified) 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 (NSF-compliant) 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 certified) 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 (NSF-compliant) 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 certified) 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 (NSF-compliant) 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 (NSF-compliant) 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-CIIB2422	Class II B2 Biosafety Cabinet – internal dimension 1219 x 610 x 610 mm (NSF-compliant) 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 (NSF-compliant) supplied with a full Standard B2 accessory kit included.	1 Unit



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