

Biosafety Cabinet Class II A2



Biosafety Cabinet Class II A2 is an essential equipment for laboratories working with biological materials, providing a safe and sterile environment for handling potentially hazardous agents

Airflow Pattern :

- 70% of the air being recirculated through HEPA filters, creating a sterile environment within the cabinet
- 30% of the air being exhausted through external ducts, removing potentially hazardous particles and gases from the work area.

Applications:

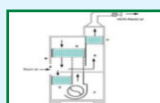
- **Microbiology** involves the handling of microorganisms, including bacteria, viruses, and fungi.
- **Cell culture** requires a sterile environment for the growth of cells.
- **Molecular biology** techniques include applications such as PCR (Polymerase Chain Reaction) and DNA sequencing.

Benefits:

- **Enhanced Safety** : BSCs provide a safe working environment for handling biological materials, reducing the risk of exposure to potentially hazardous agents.
- **Contamination Control** : The sterile environment created by the BSC helps to prevent contamination of the product or material being handled.
- **Compliance** : Using a BSC can help laboratories comply with biosafety regulations and guidelines.

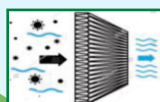


Product Description			
Model	Nominal Width	Inner Chamber (WxDxH) mm	Outer Chamber (WxDxH) mm
AS-BSC-A2-4MS	4 Ft.	1120 x 600 x 640 mm	1250 x 880 x 2215 mm
AS-BSC-A2-6MS	6 Ft.	1740 x 620 x 660 mm	1850 x 880 x 2215 mm
Customize size on request			



70% Recirculated & 30% Exhaust

30% Exhaust via HEPA filter, 70% Recirculated internally through HEPA Filter



HEPA Filter

Dual HEPA Filtration for Inflow and Exhaust



Stainless Steel Interior

Easy to clean, Corrosion resistant



UV Germicidal Lamp

Optional for added sterilization



Microprocessor Control Panel

Intuitive and Programmable



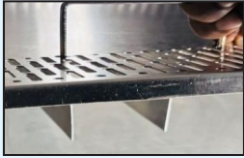
Low Noise, High Efficiency

Quiet operation with powerful blower

Biosafety Cabinet Class II A2



Ergonomic Design



Partitioned Workbench

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



Raised Arm Rest

Ensure a comfortable working posture while preventing accidental blocking of the front air grill.



Drop down Glass Door

Drop down glass door is easy to clean.



Gas Valve Nozzle

High quality stainless steel valve with a yellow safety cap, ideal for precise gas control.



Power Socket with MCB

Universal socket with built in Mini Circuit Breaker ensures safe and reliable power supply with overload protection.



10° Inclination Design of Cabinet Body

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



Debris Grid

The debris grid traps paper scraps and other materials, protecting the negative pressure zone from airflow disruption or damage.



Lockable Caster Wheel

Smooth rolling heavy duty wheel with a secure locking mechanism-perfect for easy movement and stability.

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Product Parts

Electrical Glass door motor (Optional)

Make the user procedure more comfortable

AC Centrifugal Blower

2050 RPM with energy saving and low noise

Slide walls

Side walls Stainless steel SS-304 grade

4 Valves Interfaces

Convenient for users to use water, gas, air, etc.

Workbench

Partitioned workbench is easy to sterilize and clean

Filters

AS-BSC-A2-4MS equipped with dual HEPA | ULPA Filter, with 99.97% | 99.999% @ 0.3 | 0.1 μ m

LCD Display

Displays real time operating parameters, filters lifecycle and other critical parameters. Audible alarm function

2 Power Socket with MCB

Universal socket with built-in Mini Circuit Breaker ensures safe and reliable power supply with overload protection

Cabinet Construction

Made up of stainless steel 304 grade

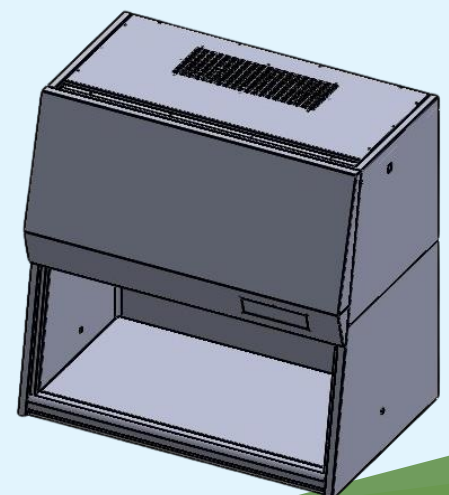
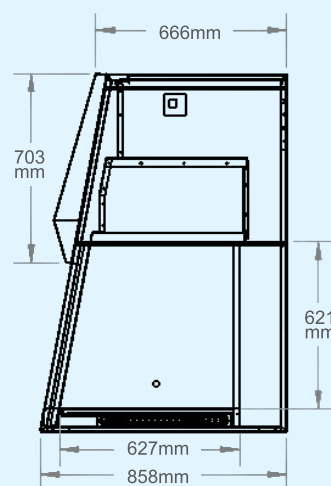
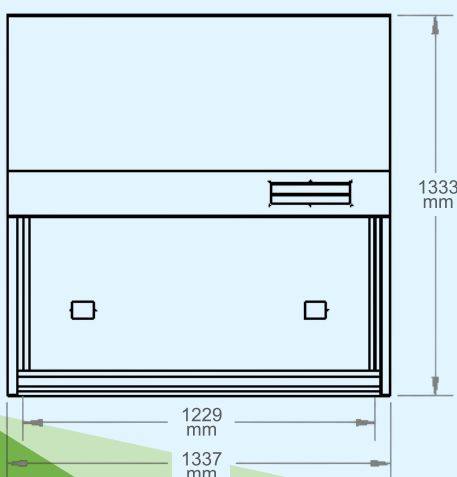
Lockable Caster Wheel

Smooth rolling heavy duty wheel with a secure locking mechanism-perfect for easy movement and stability

Foot Rest (Optional)

Product Dimension (in mm)

AS-BSC-A2-4MS



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Technical Specification of Biosafety Cabinet Class II A2			
Model		AS-BSC-A2-4MS	AS-BSC-A2-6MS
Working Voltage (V/Hz)		220-230V/50HZ	
Power of Blower (W)		300W	
Air Circulation		70% Downflow & 30% Exhaust	
Main Filter Efficiency		HEPA Filter 99.97% efficiency 0.3 micron	HEPA Filter 99.97% efficiency 0.3 micron
Exhaust Filter Efficiency		HEPA Filter 99.97% efficiency 0.3 micron	HEPA Filter 99.97% efficiency 0.3 micron
Sound Level (dB)		67.4dB	65.3dB
Downflow Velocity (m/s, fpm)		0.35m/s; 70FPM	
Inflow Velocity (m/s, fpm)		0.45m/s; 90FPM	
Fluorescent Lamp Intensity (Lux)		1200	
Net/ Gross Weight	kg	235/260	295/320
	lbs	518.08/573.20	639.34/705.47
Internal Dimensions (W*D*H)	mm	1120*600*640	1740*620*660
	In	44.09*23.6*25.19	68.5*24.4*25.98
External Dimensions (W*D*H)	mm	1250*880*2215	1850*880*2215
	In	49.21*34.64*87.20	72.83*34.64*87.20
Supporter		680mm	
Alarm		Sound	
Certifications		CE Certified , ISO9001:2015, ISO14644-1:2015, ISO13485:2016, IEC61010-1 & EN12469 Certified	
Optional		Touchscreen Display ULPA Filter Pressure Gauge Valve	



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