

# Biosafety Cabinet Class II A2



Ettore Darvi

**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 :

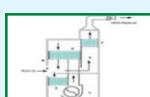
- **Microbiology** involves the handling of microorganisms, including bacteria, viruses, and fungi.
- **Cell culture** requires a sterile environment for the growth of cells.
- **Molecular biology** techniques include applications such as PCR (Polymerase Chain Reaction) and DNA sequencing.

## 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 |               |                          |                          |



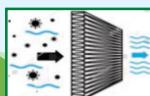
### 70% Recirculated & 30% Exhaust

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



### UV Germicidal Lamp

Optional for added sterilization



### HEPA Filter

Dual HEPA Filtration for Inflow and Exhaust



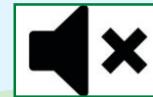
### Microprocessor Control Panel

Intuitive and Programmable



### Stainless Steel Interior

Easy to clean, Corrosion resistant



### Low Noise, High Efficiency

Quiet operation with powerful blower



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