

# Class I Biosafety Cabinet FM-BSC-A100



## Description :

Class I Biosafety Cabinet FM-BSC-A100 features cabinet with open front window design and works on principle of negative pressure generation. Appropriate for work, involving low to moderate risk agents (Biosafety Levels 1,2 and 3) where there is a need for containment, but not for product protection. Equipped with protective features such as PMMA- Poly (methyl methacrylate) coat that inhibits microbial growth, plus UV and fluorescent lamp of 15 W for decontamination. It offers operator protection via inward airflow allowing escape of airborne particles generated within cabinet with aid of HEPA filtration of exhaust air.

## Specifications :

|                     |                             |
|---------------------|-----------------------------|
| Class type          | Class I                     |
| Biosafety levels    | BSL I, II and III           |
| HEPA filter         | 99.999% efficient at 0.3 um |
| Airflow velocity    | 0.38 m/s to 0.6 m/s         |
| Noise               | ≤55 dB                      |
| Fluorescent lamp    | 15 W ×1                     |
| UV lamp             | 15 W ×1                     |
| Body material       | PMMA                        |
| Work table material | 304 stainless steel         |
| Work surface height | 740 mm                      |
| Power consumption   | 150 W                       |
| Power supply        | 110/220 V±10%; 60/50 Hz     |

|                                    |                |
|------------------------------------|----------------|
| Internal chamber dimension (WxDxH) | 540×385×450 mm |
| External chamber dimension (WxDxH) | 550×395×730 mm |
| Packaging dimension (WxDxH)        | 755×600×950 mm |
| Gross weight                       | 40 kg          |

## Features :

- Suitable for BSL I, II and III
- Provides user and environment protection with no product protection
- Soft touch control panel with LCD Display
- UV lamp and fluorescent lamp of 15 W for sterilization
- Vertical negative pressure
- Stable air flow system with velocity of 0.38 m/s to 0.6 m/s, provides firm protection to personal and environment
- Exhausted air filtered through high efficiency perfect air filter before discharging in environment
- Glass pleated non-woven fabric filter having 99.99% efficiency 0.3-micron particle size
- Energy-saving, high efficiency, low noise
- Poly (methyl methacrylate) (PMMA) coat with anti-bacteria powder coating
- 304 grade stainless steel work table, easy for cleaning

## Applications:

Used for day to day clean room activities involving high risk pathogens, etiological agents, nonvolatile radio nuclides and limited degree of low toxic chemicals for various applications in research labs of all the branches of medical, agriculture, basic and applied science.

## Accessories:

| Accessories no | Accessories name | Unit     |
|----------------|------------------|----------|
| 1              | Fluorescent lamp | 15 W × 1 |
| 2              | UV lamp          | 15 W × 1 |
|                |                  |          |



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