

# Class I Biosafety Cabinet FM-BSC-A101



## Description :

Class I Biosafety Cabinet FM-BSC-A101 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 18 W for sterilization. It offers operator protection via inward airflow allowing escape of airborne particles generated within cabinet with the 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	18 W ×1
UV lamp	18 W×1
Body material	PMMA
Work table material	304 stainless steel
Work surface height	740 mm
Power consumption	160 W
Power supply	110/220 V±10%; 60/50 Hz

Internal chamber dimension (WxDxH)	680×450×500 mm
External chamber dimension (WxDxH)	700×550×900 mm
Packaging dimension (WxDxH)	950×700×1125 mm
Gross weight	60 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 18 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	18 W × 1
2	UV lamp	18 W × 1



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