

# Class II A2 Biological Safety Cabinet FM-BSC-A402



## Description :

Class II A2 Biological Safety Cabinet FM-BSC-A402 is a floor standing unit which meets the requirement specified by NSF for Class II type A2 BSC. Features tough glass front window, water tap and gas tap, universal caster, waterproof socket, LCD display, I.V. bar with hooks etc. to carry out the experiments in a contaminant free environment along with operator protection. Approximately 40% of air is exhausted, 60% is recycled and inflow of air is 824 m<sup>3</sup>/h. It is used in microbiology labs, biotech labs, universities etc.

## Specifications :

External Dimension (WxDxH)	1873x775x2295 mm
Internal Dimension (WxDxH)	1700x600x660mm
Work Surface Height	750 mm
Max Opening	550 mm (22 inch)
Tested Opening	Safety height 254 mm (10 inch)
Air flow Volume	In flow: 824 m <sup>3</sup> /h (485 cfm) Down flow:60%: 1212 m <sup>3</sup> /h (713 cfm) Exhaust: 40%: 824 m <sup>3</sup> /h (485 cfm)
Front Window Thickness	≥ 5 mm
HEPA Filter	Two, 99.999% efficiency at 0.3 um
Filter Guard Type	Aluminium alloy frame
Noise	NSF 49 ≤ 61 dB/EN 12469 ≤ 58 dB
Illumination	≥ 1000 Lux
Display	LCD Display

Waterproof Socket	Two Total consumption: $\leq 500$ W
Tap	Water tap $\times$ 1, Gas tap $\times$ 3
Ground Resistance	$\leq 0.10 \Omega$
Power Supply	AC 220 V $\pm$ 10%, 50/60 Hz; 110 V $\pm$ 10%, 60 Hz, Full load Amps: 9A, BTU/Hr: 1691
Consumption	500 W
DC Motor	One ECM motor, 110V & 220V acceptable, Speed adjustable
Material	Working area: 304 stainless steel Frame and Decorative Plate: cold-rolled steel with anti-bacteria powder coating.
UV Lamp	40 W Emission of 253.7 nanometers
Illumination Lamp	22 W $\times$ 2
Packaging Dimension (WxDxH)	2020 $\times$ 1080 $\times$ 1900 mm
Weight	370 kg

## Features :

- NSF certified product
- Motorized front window
- LCD Display
- Automatically adjusted air speed
- Stores pre-set details even in-case of power failure
- Single piece of stainless steel used to make side and back wall
- 10° slanted front door to have better access in working area
- Universal caster with brakes and levelling feet
- Two-layered laminated toughened anti-UV glass
- Stainless steel water tap and gas tap
- Spacious enough for two person
- Waterproof socket to avoid short-circuits
- Efficient decontamination through UV lamp
- Exhaust thimble can be attached
- Stainless steel I.V. bar with 10 hooks
- High efficiency and lower power consuming ECM motor with adjustable speed
- Drain valve for easier cleaning
- Two HEPA filter and filter life indicated on display screen
- Many other optional accessories can be provided

## Applications:

It used to carry out various experiments in microbiology, biotechnology, pharmacy, clinical research etc. in a ventilated and de-contaminated environment.

## Accessories Optional:

Sr. No	Name of accessory	Quantity
1	Armrest	1pc
2	Formalin fumigation sterilizer	1pc

3	Infrared sterilizer	1pc
4	Airflow tester	1pc
5	Remote control	1pc
6	Electric height adjustable base stand	1pc

## Security System:

Interlock function between UV lamp and front window

Interlock function between UV lamp and blower

Interlock function between UV lamp and fluorescent lamp

Interlock function between blower and front window

Alarm system for abnormal air flow velocity, filter replacement, front window placed at unsafe height



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