

BIOSAFETY CABINET

(CLASS II)

CE



Applications include isolation and indentification of plant/human pathogens, work in virology, tissue culture, sterility testing and recombinant DNA research. This Biohazard Cabinet offers operator protection from low to moderate risk biological agents (or chemical carcinogens), while providing a sterile work environment for the procedure. The cabinet is kept under negative pressure with partial quantity of recirculated air exhausted through a HEPA filter. External exhaust from the laboratory is optional. The Biological Safety Cabinet is similar in performance and specification to the Vertical Series, described on laminar.

The additional main features are as under:-

- Specially suited for Pathogenic work, chemical work, critical biological work involving virus and pathogens & for microbiology, biochemistry etc.
- **Standard S.S. Perforated table.**
- Imported Mini Pleat HEPA of 0.3 μ of an efficiency of 99.97% down to 0.3 micron Media is of glass fiber & made of pleats back & fro in an anodized aluminum frame (With Test Report).
- Integral powerful exhaust system. Built-in-positive Air Curtain effect to prevent inside air from going out and room air from entering in, providing total process and operator safety.
- Exhaust ducting to carry the air outside.
- Front sliding door, U.V. light, Manometer, Gas cock etc.
- Mini Pleat HEPA Filter in Exhaust.
- Virus Burn out Unit in Exhaust.

“
 ULPA Filter of 0.1μ
 with an efficiency
 of 99.99% is
 also available
 ”

Class-II A2	AIR FLOW	70% of the air is recirculated back into the work area and 30% of the air is HEPA filtered and exhausted out to the environment via a dedicated duct.
Class-II B2	AIR FLOW	100% exhaust without mixing with the recirculated air.

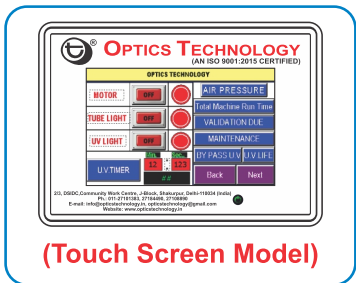
MODEL NO.	WORKING SIZE
OT-BSC-90-II- W/MS/SS-A	2' x 2' x 2'
OT-BSC-90-II- W/MS/SS-B	3' x 2' x 2'
OT-BSC-90-II- W/MS/SS-C	4' x 2' x 2'
OT-BSC-90-II- W/MS/SS-D	6' x 2' x 2'
OT-BSC-90-II- W/MS/SS-E	8' x 2' x 2'

Outer Body : Wooden / Mild Steel Duly Powder Coated / Stainless Steel (S.S. 304)

FACE VELOCITY : A face velocity of 90 ± 20 FPM is maintained.

Optional:

1. Magnahelic Gauge in place of Static Pressure Manometer
2. Digital Manometer
3. U.V. Resistant Poly Carbonate sheet in place of Acrylic Sheet
4. LCD display with soft touch switches for motor, U.V. Light, F.V. Light & U.V. Timer
5. Gloves Port (Without Gloves)
6. Automatic motorised front door lifting arrangement
7. Online transfer of data without any cable/wire Interference



MICROPROCESSOR BASED

TOUCH SCREEN DISPLAY SYSTEM

- » Display of velocity with lower and upper safe limits.
- » Display of total run time of instrument & timer for U.V. lamp
- » Control of U.V. light to prevent the operator from U.V. rays as and when required.
- » Automatic Door sensors to switch off the U.V. light when door is opened.
- » Display of message for life of HEPA filter, U.V. light etc.

MOC : MS-Mild steel duly powder coated SS-stainless steel W-Wooden Body
 kindly select the one required in model number.