

**MAC**

**CLEAN AIR SYSTEMS**

# **BIOLOGICAL SAFETY CABINET**

**Class II Type B2**



## **NEW** Antimicrobial Minipleat Filters



One-piece  
Autogasket



Neoprene  
Gasket



Knife-Edge  
Frame

## **Enhance your filtration requirements**

Say good bye... to your  
conventional HEPA / ULPA  
Filters



Switch to "MAC"  
Minipleat HEPA / ULPA  
Filters



**MSW-164(B2-TFT)**

*# Images for reference purpose only, may change according to model & size*

# BIOLOGICAL SAFETY CABINET

## Class II Type B2

- Near 100% air exhaust
- Negative pressure air surrounding all biological contaminated parts.
- There is no recirculation within the work area.
- Room air enters through a blower/motor in the top of the cabinet and passes through a HEPA supply filter into the work area as the vertical unidirectional airflow.
- Descending air is pulled through the base of the cabinet through the perforated front and rear grilles.
- Simultaneously, air entering through the perforated front opening is pulled through the grille and exhausted immediately.
- Near 100% of the air is pulled into the facility exhaust system for appropriate treatment.
- Type B2 cabinet are hard-connected to an exhaust system.
- Air drawn through pre-filter is made to pass through highly effective HEPA (High Efficiency Particular Air) filters, conforming to EU - 14 Grade, with an efficiency rating better than 99.999% for 0.3  $\mu$ .
- Prefilter conforms to EU-4/G-4 Grade, with efficiency of 90% down to 10 micron.

- Aerodynamic airflow grills maintain safety and prevents blockage.
- Mounted on heavy tubular stand with lockable castors.
- U.V and fluorescent interlock available
- Ergonomic and comfortable sloped front window for comfortable head and elbow rest position, thus reducing fatigue
- Removable upper and front cover simplifies filter, blower and front control panel replacements and maintenance easier.
- Front Sash consists of a toughened transparent glass for a clear inside view and is counterbalanced for smooth and light weight operation with standard opening of 200mm  $\pm$  10 mm for easier access to work zone and enhanced user safety.
- Trough at base is easy to clean and for offloading liquid spillage if any.
- Electric Supply Socket for convenient operation of small equipment.
- With an integral and essential exhaust system consisting of a heavy duty and powerful motor blower system, Class II Type B2 biological safety cabinet is able to exhaust 100% potentially contaminated air outside the cabinet & air.

### TECHNICAL SPECIFICATIONS & ORDERING INFORMATION

MODEL	MOC: CRC-PC	#STERIMAX-2 (B2-CRC-TFT)	#STERIMAX-3 (B2-CRC-TFT)	#STERIMAX-4 (B2-CRC-TFT)	#STERIMAX-5 (B2-CRC-TFT)	#STERIMAX-6 (B2-CRC-TFT)
	MOC: SS-304	#STERIMAX-2 (B2-SS-TFT)	#STERIMAX-3 (B2-SS-TFT)	#STERIMAX-4 (B2-SS-TFT)	#STERIMAX-5 (B2-SS-TFT)	#STERIMAX-6 (B2-SS-TFT)
Internal Dimensions (WxDxH) mm		600x610x675	900x610x675	1200x610x675	1500x610x675	1780x610x675
MOC	Work Table : Stainless steel (SS-304) Main Cabinet: CRC Sheet Duly Powder Coated OR Stainless Steel (SS-304) (as required or ordered)					
Pre - Filter	Mounted on aluminium frame, Prefilter are made from Non-Woven Synthetic with HDPE mesh and Al expanded mesh on air leaving side; conforms to EU-4/G-4 Grade, with efficiency of 90% down to 10 micron. These filters can be cleaned by compressed air & also washable.					
Exhaust Filter	Air drawn through pre-filter is made to pass through highly effective HEPA (High Efficiency Particular Air) filters. The prefilter fitted extends the life of HEPA filter drastically. Fitted with HEPA Filter made from water resistant, fire retardant, imported micro fine glass fibre media; conforms to EU - 14 Grade, with an efficiency rating better than 99.999% for 0.3 $\mu$ . These filters are designed to accommodate higher airflow volume.					
Supply/Main Filter	Air drawn through pre-filter is made to pass through highly effective HEPA (High Efficiency Particular Air) filters. The prefilter fitted extends the life of HEPA filter drastically. Fitted with HEPA Filter made from water resistant, fire retardant, imported micro fine glass fibre media; conforms to EU - 14 Grade, with an efficiency rating better than 99.999% for 0.3 $\mu$ . These filters are designed to accommodate higher airflow volume.					
Controller	TFT Touch Screen Display Controller with air velocity sensor					
Electrical Socket	Electrical Socket is provided for using small electrical devices					
Power Supply	220/230 Volts AC supply					
Heavy Duty Exhaust System	Standard fitted to the system for 100% exhaust					

### OPTIONS

- |   |   |
|---|---|
| a) Magnehelic Gauge (To track filter pressure) to cost extra.             | e) Exhaust ducting per running feet.                              |
| b) Electronic Filter choke alarm. (Differential pressure monitor)         | f) Virus Burn Out.  |
| c) Medical lockable castor in lieu of adjustable levellers to cost extra. | g) Motorized Sash Lift in lieu of manual sash lift to cost extra. |
| d) Gas Burner   |   |