MAC

CLEAN AIR SYSTEMS
BIOLOGICAL SAFETY CABINET
Class II Type B2

STERIMAX

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

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-LCD)

BIOLOGICAL SAFETY CABINET
Class II Type B2

- Near 100% air exhaust
- Negative pressure air surrounding all biological contaminated parts.
- There is no recirculation withing 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 μ.
- 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 ±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 INFORMATIONS

MODEL	MOC: CRC-PC	#STERIMAX-2 (B2-CRC-LCD)	#STERIMAX-3 (B2-CRC-LCD)	#STERIMAX-4 (B2-CRC-LCD)	#STERIMAX-5 (B2-CRC-LCD)	#STERIMAX-6 (B2-CRC-LCD)
	MOC: SS-304	#STERIMAX-2 (B2-SS-LCD)	#STERIMAX-3 (B2-SS-LCD)	#STERIMAX-4 (B2-SS-LCD)	#STERIMAX-5 (B2-SS-LCD)	#STERIMAX-6 (B2-SS-LCD)
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 μ. 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 μ. These filters are designed to accommodate higher airflow volume.				
Controller		Microprocessor based digital controller with LCD display 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.
b) Electronic Filter choke alarm. (Differential pressure monitor)
c) TFT Touch Screen Display Controller with air velocity sensor.
d) Medical lockable castor in lieu of adjustable levellers to cost extra.
e) Gas Burner

f) xhaust ducting per running feet.
g) Virus Burn Out.
h) Motorized Sash Lift in lieu of manual sash lift to cost extra.