

**MAC**

**CLEAN AIR SYSTEMS**

# **BIOLOGICAL SAFETY CABINET**

**Class II Type A2**



**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(A2-LCD)**

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

# BIOLOGICAL SAFETY CABINET

## Class II Type A2

- Negative pressure surrounds the work area with double wall plenums for protection.
- 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 0.3µ.
- Pre-filter conforms to EU-4/G-4 Grade, with efficiency of 90% down to 10 micron.
- Mounted on heavy tubular stand with lockable castors.
- Aerodynamic airflow grills maintain safety and prevents blockage.
- Ergonomic and comfortable 10 degrees 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.

- **30 % air exhaust**
- **70 % air recirculation**
- **HEPA-filtered exhaust air in Type A2 cabinet may be recirculated into the room or exhausted to the outdoors through a canopy exhaust connection.**
- **HEPA-filtered downflow air is a portion of mixed downflow and inflow air from a common plenum**
- **Negative Pressure air surrounds all biological contaminated ducts and plenums.**

### TECHNICAL SPECIFICATIONS & ORDERING INFORMATION

MODEL	MOC: CRC-PC	#STERIMAX-2 (A2-CRC-LCD)	#STERIMAX-3 (A2-CRC-LCD)	#STERIMAX-4 (A2-CRC-LCD)	#STERIMAX-5 (A2-CRC-LCD)	#STERIMAX-6 (A2-CRC-LCD)
	MOC: SS-304	#STERIMAX-2 (A2-SS-LCD)	#STERIMAX-3 (A2-SS-LCD)	#STERIMAX-4 (A2-SS-LCD)	#STERIMAX-5 (A2-SS-LCD)	#STERIMAX-6 (A2-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.					
Electrical Socket	Electrical Socket is provided for using small electrical devices					
Controller	Microprocessor based digital controller with LCD display with air velocity sensor					
Power Supply	220/230 Volts AC supply					

### 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) Gas Burner.
- e) Exhaust ducting per running feet.
- f) Motorized Sash Lift in lieu of manual sash lift to cost extra.