

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-TFT)

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 Particulate 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-TFT) | #STERIMAX-3 (A2-CRC-TFT) | #STERIMAX-4 (A2-CRC-TFT) | #STERIMAX-5 (A2-CRC-TFT) | #STERIMAX-6 (A2-CRC-TFT) |
|--------------------------------|--|-----------------------------|-----------------------------|-----------------------------|-----------------------------|-----------------------------|
| | MOC: SS-304 | #STERIMAX-2 (A2-SS-TFT) | #STERIMAX-3 (A2-SS-TFT) | #STERIMAX-4 (A2-SS-TFT) | #STERIMAX-5 (A2-SS-TFT) | #STERIMAX-6 (A2-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 Particulate 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 Particulate 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 | TFT Touch Screen Display Controller with air velocity sensor | | | | | |
| Power Supply | 220/230 Volts AC supply | | | | | |

OPTIONS

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