

CLEAN AIR SYSTEMS

**MAC**

# HORIZONTAL LAMINAR AIR FLOW CABINET

TFT Touch Screen Display Controller  
with Air Velocity Sensor

**MSW-161(TFT)**



**NEW** Antimicrobial Miniplate Filters



**One-piece  
Autogasket**



**Neoprene  
Gasket**



**Knife-Edge  
Frame**



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

Enhance your filtration requirements

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



Switch to "MAC"  
Minipleat HEPA / ULPA  
Filters



[www.macroscientificworks.com](http://www.macroscientificworks.com)

- ◆ Designed so as to meet the requirements of US Federal Standard 209 B (BS 5295) providing particle free air to meet class 100 conditions.
- ◆ Cabinet is fabricated of CRC Sheet duly powder coated OR stainless steel (SS-304 grade) (as ordered).
- ◆ Working table is made of Stainless Steel Sheet (SS-304 grade).
- ◆ Front doors are made out of thick transparent toughened glass.
- ◆ Heavy Duty Motor operates with minimum noise level.
- ◆ Working area is illuminated by fluorescent lighting fitted to the unit.
- ◆ Supplied complete with S.S. Satin finish Table Top, Transparent front door, Built in U.V. Germicidal light and Cock for gas, air or vacuum line, HEPA filters and pre-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.
- ◆ Prefilter are made from Non-Woven Synthetic with HDPE mesh and Al expanded mesh on air leaving side; conforms to EU 6 Grade, with efficiency of 95% down to 5 micron. These filters can be cleaned by compressed air & also washable.
- ◆ Mounted on heavy tubular stand with levelers
- ◆ With Solid Side Walls and transparent front door.
- ◆ To work on 220/230 volts A.C. supply.

## TECHNICAL SPECIFICATIONS & ORDERING INFORMATION

| MODEL                         | #LH-22(CRC-TFT)                                                                                                                                                                                                                                         | #LH-32(CRC-TFT) | #LH-42(CRC-TFT) | #LH-62(CRC-TFT) |
|-------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------|-----------------|-----------------|
| MODEL                         | #LH-22(SS-TFT)                                                                                                                                                                                                                                          | #LH-32(SS-TFT)  | #LH-42(SS-TFT)  | #LH-62(SS-TFT)  |
| Internal Dimensions (WxDxH)mm | 600x610x675mm                                                                                                                                                                                                                                           | 900x610x675mm   | 1200x610x675mm  | 1780x610x675mm  |
| No. of HEPA Filter            | 1                                                                                                                                                                                                                                                       | 1               | 1               | 2               |
| Main Filter                   | 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. |                 |                 |                 |
| Pre - Filter                  | Prefilter are made from Non-Woven Synthetic with HDPE mesh and Al expanded mesh on air leaving side; conforms to EU 6 Grade, with efficiency of 95% down to 5 micron. These filters can be cleaned by compressed air & also washable.                   |                 |                 |                 |
| Controller                    | TFT Touch Screen Display Controller with air velocity sensor                                                                                                                                                                                            |                 |                 |                 |
| Illumination                  | Fluorescent Lamp 40W                                                                                                                                                                                                                                    |                 |                 |                 |
| Sterilizing                   | UV Germicidal Tube                                                                                                                                                                                                                                      |                 |                 |                 |
| Front Door                    | Made of plexi glass (polycarbonate door optional)                                                                                                                                                                                                       |                 |                 |                 |
| Utility                       | Gas/Air Cock                                                                                                                                                                                                                                            |                 |                 |                 |
| Power Supply & Frequency      | AC 230V, 50/60 Hz                                                                                                                                                                                                                                       |                 |                 |                 |
| MOC (Cabinet)                 | CRC Sheet Duly Powder Coated or Stainless Steel (SS-304)                                                                                                                                                                                                |                 |                 |                 |
| Work Table                    | Stainless Steel (SS-304)                                                                                                                                                                                                                                |                 |                 |                 |

### OPTIONS

- Magnehelic Gauge (To track filter pressure) to cost extra.
- Electronic Filter choke alarm. (Differential pressure monitor)
- Gas Burner.
- Motorized sash lift in lieu of manual sash lift to cost extra.

**MAC**

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