

**CLEAN AIR SYSTEMS**

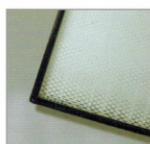
**MAC**

# **HORIZONTAL LAMINAR AIR FLOW CABINET**

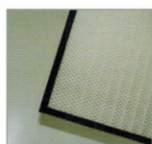
**Microprocessor Controller with LCD display  
with Air Velocity Sensor  
MSW-161(LCD)**



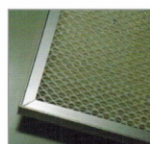
**NEW** Antimicrobial Miniplate Filters



**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



- ♦ 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-LCD)	#LH-32(CRC-LCD)	#LH-42(CRC-LCD)	#LH-62(CRC-LCD)
MODEL	#LH-22(SS-LCD)	#LH-32(SS-LCD)	#LH-42(SS-LCD)	#LH-62(SS-LCD)
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	Microprocessor Controller with LCD Display 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

- |   |   |
|---|---|
| a) Magnehelic Gauge (To track filter pressure) to cost extra.             | f) Exhaust ducting per running feet.                              |
| b) Electronic Filter choke alarm. (Differential pressure monitor)         | g) Motorized sash lift in lieu of manual sash lift to cost extra. |
| c) TFT Touch Screen Display Controller with air velocity sensor.          | h) UV Hour meter  |
| d) Medical lockable castor in lieu of adjustable levellers to cost extra. | i) Extra power outlet switch                                      |
| e) Gas Burner.  | j) DOP HEPA filter testing in house.                              |
|   | k) DOP HEPA filter testing on site.                               |

**MAC**

B-35/3, G.T. KARNAL ROAD, INDUSTRIAL AREA, DELHI - 110033  
 Tel : +91 11 48494849 (100 Lines)  
 E-mail : info@macroscientificworks.com  
 Web : www.macroscientificworks.com