

# Clean Air Equipment & Entomology Equipment

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#### MH-51-01 : Laminar Air Flow (Portable)

Switches : Switches for blower, Fluorescent light & UV light.

Pre Filter : 90.00% down to 5 micron.

HEPA Filter : ISO 14644 Class 5 (Class 100) 99.97%-99.99%

down to 0.3 micron. Mesh guard for protection of

HEPA Filter.

Airflow : Top to downward (Vertical)

Noise Level :  $60 \text{ decibel} \pm 5\%$ . Velocity : 0.35-0.50 m/sec.

Work Table : Perforated Made up of stainless steel 304gr.

Cock for gas on work table.

Front door : Made of Acrylic. (Foldable)
UV Lamp : 9W, make Philips Holland.

Illumination : 9W, LED tube.

Pressure : Manometer 0-50mm range.
Power Supply : 230V ± 10V/50 Hz single phase A.C.
Cabinet : 19mm thick Plyboard covered with

sunmica from outside and epoxy

painted from inside.

Heavy Duty Blower : Dynamically balanced with 0.25 HP

Electric Motor Mounted on antivibration pad 1440rpm motor.

Working Area Size : 45x45x45cm.







#### MH-55: HEPA Filter

The filter has excellent resistance to chemical including corrosive vapour and most acids except phosphoric and hydro solvents which have little or no effect. These have excellent electric qualities, they neither absorb moisture, swell, stretch nor undergo chemical change through contact with moisture. Filter medium fabricated from fire proof 100% micro fibre glass paper pleated with aluminium /cadmium plated mild steel with exclusive plastic base adhesive. Continuous neoprene sponge rubber seals are provided on filter frame for effective sealing . The filter has a filtration efficiency of upto 99.97%, particle retention >0.3 micron and can operate in temperature upto 150° C intermittent 121° C continuous and 100% relative humidity. The filters are tested by the DOP test methods, the most accurate and stringent test.

MH-05-01 HEPA Filter Size : 60x60x15 cm.
 MH-05-02 HEPA Filter Size : 90x60x15 cm.
 MH-05-03 HEPA Filter Size : 120x60x15 cm.



#### Pre Filter

These filters have been specifically designed to meet the requirements of clean air in general ventilating and air-conditioning systems in Hospitals, Computer installations, also in Nuclear, Pharmaceutical, Petro-Chemical, Fertilizers, Synthetic fiber industries and Compressor applications. The heart of the filter is a reinforced washable synthetic non-woven filter media/fiber glass. Fiber media pleated in accordation format along with a backing of wire/HDPE netting. The mediums are carefully selected to offer the best possible performance to suit specific needs. In order to obtain uniformity of dust loading, the filter plates are kept apart by means of aluminium separators. The complete filter pack is sealed into rigid cassette of mild steel or aluminium. Filter is offered in a three piece construction namely element cassette, outer casing and front grill. For replacement, only the cassette element needs to be changed. The micronic fine filter has a filtration efficiency upto 90.0%, particle retention >5.0 micron and can operate upto 120°C and 100% relative humidity. Before use, the filters are tested in accordance with the specification of BS 2831 Standards.

MH-05-04 Pre Filter Size: 55x55x5cm. Pre Filter Size: 85x55x5cm. MH-05-05



#### : Laminar Air Flow Workstation (Vertical) Mild Steel

Switches

Microprocessor based Touch Panel for Blower, LED light & UV light. (UV light with Timer).

Motorized front door of toughen glass.

Pre Filter **HEPA Filter**  90.00% down to 5 micron.

ISO 14644 Class 5 (Class 100) 99.97%-99.99% down to 0.3 micron.

Mesh guard for protection of HEPA Filter.

Top to downward

Airflow Noise Level  $60 \text{ decibel} \pm 5\%$ . Velocity 0.35-0.50m/sec.

Work Table Made up of stainless steel 304gr. (Perforated)

Cock for gas on work table.

Made of Toughen glass. (Motorized) Front door **UV** Lamp 15/30W, make Philips Holland

LED Lights for easy operation. Illumination Pressure Digital Manometer 0-50mm range with filter

failure alarm.

 $230V \pm 10V/50$  Hz single phase A.C. Power Supply

Cabinet Cabinet made of Mild Steel duly powder coated.

Electricals 15/5 AMP socket with switch.

Dynamically balanced with 0.25 HP Electric Heavy Duty Blower

Motor Mounted on anti vibration pad 1440rpm

Safety Features Voltage fluctuations Protection.

Micro switche for UV & LED Lights. Castor Wheels for easy movability. Stand

Front Wheels lockable with brakes.



Working Area Size: 60x60x60cm. MH-56-01 Working Area Size: 90x60x60cm. • MH-56-02 Working Area Size: 120x60x60cm. MH-56-03 Working Area Size: 150x60x60cm. • MH-56-04



#### Laminar Air Flow Workstation (Vertical) Complete S.S.

Switches : Microprocessor based Touch Panel for Blower,

LED light & UV light. (UV light with Timer)

 $Motorized \, front \, door \, of \, toughen \, glass.$ 

 Pre Filter
 :
 90.00% down to 5 micron.

 HEPA Filter
 :
 ISO 14644 Class 5 (Class 100)

99.97%-99.99% down to 0.3 micron.

Mesh guard for protection of HEPA Filter.

Airflow : Top to downward Noise Level : 60 decibel ± 5%. Velocity : 0.35-0.50m/sec.

Work Table : Made up of stainless steel 304gr.(Perforated)

Cock for gas on work table.

Front door : Made of Toughen glass. (Motorized)
UV Lamp : 15/30W, make Philips Holland
Illumination : LED Lights for easy operation.

Pressure : Digital Manometer 0-50mm range with filter

failure alarm.

 $\begin{array}{lll} \mbox{Power Supply} & : & 230V \pm 10V/50 \, \mbox{Hz single phase A.C.} \\ \mbox{Cabinet} & : & \mbox{Cabinet made of 304gr.Stainless Steel.} \end{array}$ 

Electricals : 15/5 AMP socket with switch.

Heavy Duty Blower: Dynamically balanced with 0.25 HP Electric

Motor Mounted on antivibration pad 1440

RPM motor.

Safety Features : Voltage fluctuations Protection.

Micro switche for UV & LED Lights.

Stand : Castor Wheels for easy movability.

Front Wheels lockable with brakes.



MH-56-05 Working Area Size : 60x60x60cm.
 MH-56-06 Working Area Size : 90x60x60cm.
 MH-56-07 Working Area Size : 120x60x60cm.
 MH-56-08 Working Area Size : 150x60x60cm.



#### MH-57: Laminar Air Flow (Vertical) Wooden

Switches : Switches for Blower, Fluorescent light & UV light.

 Pre-filter
 : 90.00% down to 5 micron.

 HEPA Filter
 : ISO 14644 Class 5 (Class 100)

99.97%-99.99% down to 0.3 micron. Mesh guard for protection of HEPA Filter.

Airflow : Top to downward Noise Level : 60 decibel ± 5%. Velocity : 0.35-0.50m/sec.

Work Table : Made up of Perforated stainless steel 304gr.

Cock for gas on work table. Made of Acrylic. (Foldable)

Front door : Made of Acrylic. (Foldable)
UV Lamp : 15/30W, make Philips Holland
Illumination : LED Light for easy operation
Pressure : Manometer 0-50mm range.

Power Supply : 230V ± 10V/50 Hz single phase A.C.
Cabinet : Cabinet Made of 19mm thick plyboa

Cabinet : Cabinet Made of 19mm thick plyboard covered with white sunmica & epoxy painted from inside.

Heavy Duty Blower : Dynamically balanced with 0.25 HP

Electric Motor Mounted on anti vibration pad 1440rpm motor.

MH-57-01 Working Area Size : 60x60x60cm.
 MH-57-02 Working Area Size : 90x60x60cm.
 MH-57-03 Working Area Size : 120x60x60cm.
 MH-57-04 Working Area Size : 180x60x60cm.



#### MH-57-05 : Exhaust System for Laminar Air Flow (Vertical)

Effective exhaust system through mild steel channel and turbo fans for exhausting air fumes and chemicals etc. Through perforated work-bench sheet and conveniently disposed off on back of the cabinet.

#### Laminar Air Flow (Vertical) Complete S.S.

Switches : Microprocessor based switches for Blower,

LED light & UV light with LED back light display.

(UV light with Timer)

Pre Filter : 90.00% down to 5 micron. HEPA Filter : ISO 14644 Class 5 (Class 100)

99.97%-99.99% down to 0.3 micron. Mesh guard for protection of HEPA Filter.

Airflow : Top to downward
Noise Level : 60 decibel ± 5%.
Velocity : 0.35-0.50m/sec.

Work Table : Made up of Perforated stainless steel

304gr. Cock for gas on work table.

Front door : Made of Acrylic duly Counter Balanced.

UV Lamp : 15/30W, make Philips Holland Illumination : LED Lights for easy operation.

Pressure : Manometer 0-50mm range with filter

failure alarm.

Power Supply :  $230V \pm 10V/50$  Hz single phase A.C.

Cabinet : Cabinet made of 304gr.S.S.

Heavy Duty Blower : Dynamically balanced with 0.25 HP

Electric Motor Mounted on antivibration pad 1440rpm motor.

MH-57-06 Working Area Size 60x60x60cm.
 MH-57-07 Working Area Size 90x60x60cm.
 MH-57-08 Working Area Size 120x60x60cm.
 MH-57-09 Working Area Size 180x60x60cm.





#### MH-57-10 : Laminar Air Flow IVF (In Vitro Fertilization Workstation)

The Rescholar IVF workstation is specially designed for use in fertility laboratories for research work in the fields of human and animal reproduction. A controlled work environment is of high priority due to the complexity of the process. This includes hygienic conditions to minimize microbial contamination, a warmed work surface for the sustenance of biological matter and provisions for the use of microscopes in the Rescholar IVF workstation, air is taken in from above the workstation and passed through an ULPA filter. The filtered air is then passed through the main chamber in a vertical laminar (Unidirectional) air stream before being exhausted through the front opening.

#### Features

- Warmed work top keeps temperature at a constant 37°±0.4°C (32.7°F). Work
  top temperature is constantly displayed on the front panel, and temperature is
  easily adjustable from the controller.
- The work station interior is constructed of stainless steel, making the work zone easy to clean. The interior surface will not chip, rust or generated particles.
- The ergonomically designed work surface with a curved front edge is designed for maximum operator comfort.
- High quality ULPA filters use an improved mini-pleat separation technique to maximize surface area.
- Rescholar IVF workstation provides ISO Class 3 air cleanliness with in the zone.
- Working Area Size 120x60x60cm.



#### MH-57: Laminar Air Flow (Vertical) Mild Steel

: Microprocessor based switches for Switches

Blower, LED light & UV light with LED back light display. (UV light with Timer)

Pre Filter 90.00% down to 5 micron. **HEPA Filter** 

ISO 14644 Class 5 (Class 100)

99.97%-99.99% down to 0.3 micron. Mesh guard for protection of HEPA Filter.

Top to downward  $60 \text{ decibel} \pm 5\%$ .

Airflow

Noise Level

Velocity 0.35-0.50m/sec. Made up of Perforated stainless steel Work Table

304gr. Cock for gas on work table. Made of Acrylic duly counter balanced. Front door 15/30W, make Philips Holland **UV** Lamp Illumination LED Lights for easy operation. Pressure Manometer 0-50mm range with filter

failure alarm.

Power Supply  $230V \pm 10V/50$  Hz single phase A.C. Cabinet made of Mild Steel duly powder Cabinet

Heavy Duty Blower: Dynamically balanced with 0.25 HP

Electric Motor Mounted on anti vibration

pad 1440rpm motor.

• MH-57-11 Working Area Size: 60x60x60cm. Working Area Size: 90x60x60cm. • MH-57-12 • MH-57-13 Working Area Size: 120x60x60cm. Working Area Size: 180x60x60cm. • MH-57-14



#### MH-58: Laminar Air Flow (Horizontal) Wooden with Microprocessor Control



Switches Microprocessor based switches for Blower,

LED light & UV light With LCD back light

display. (UV light with Timer)

90.00% down to 5 micron. Pre Filter

ISO 14644 Class 5 (Class 100) 99.97%-**HEPA Filter** 

99.99% down to 0.3 micron. Mesh guard for

protection of HEPA Filter.

Airflow Frontward Horizontally Noise Level  $60 \text{ decibel} \pm 5\%$ . Velocity 0.35-0.50m/sec.

Work Table Made up of stainless steel 304gr. Cock for gas

on work table.

Side Panels 6mm±.5mm thick Acrylic sheet. Front door Made of Acrylic. (Foldable) **UV** Lamp 15/30W, make Philips Holland,

LED White Light. Illumination

Pressure Digital Manometer 0-50mm range with

filter failure alarm.

Power Supply  $230V \pm 10V/50$  Hz single phase A.C.

Cabinet 19mm thick Duraboard covered with sunmica from outside and epoxy painted from inside.

Heavy Duty Blower Dynamically balanced with 0.25 HP Electric

motor Mounted on antivibration pad

1440rpm motor.

 MH-58-01 Working Area Size: 60x60x60cm. Working Area Size: 90x60x60cm. • MH-58-02 Working Area Size: 120x60x60cm. • MH-58-03 • MH-58-04 Working Area Size: 180x60x60cm.



#### Laminar Air Flow (Horizontal) Wooden

Switches : Switches for Blower, LED light & UV light.

Pre Filter : 90.00% down to 5 micron.

HEPA Filter : ISO 14644 Class 5 (Class 100). 99.97%-99.99% down to 0.3 micron. Mesh guard for protection of HEPA Filter.

Airflow : Frontward Horizontally.

Noise Level : 60 decibel ± 5%.

Velocity : 0.35-0.50m/sec.

Work Table : Made up of stainless steel 304gr. Cock for gas on work table.

Side Panels : 6mm±.5mm thick acrylic sheet.
Front door : Made of Acrylic. (Foldable)
UV Lamp : 15/30W, make Philips Holland,

Illumination : LED White Light.

Pressure : Inclined Manometer 0-50mm range.
Power Supply : 230V ± 10V/50 Hz single phase A.C.

Cabinet : 19mm thick Duraboard covered with sunmica from outside and epoxy Painted from inside. Heavy Duty Blower : Dynamically balanced with 0.25 HP Electric Motor Mounted on anti vibration pad 1440rpm motor.

MH-58-05 Working Area Size : 60x60x60cm.
 MH-58-06 Working Area Size : 90x60x60cm.
 MH-58-07 Working Area Size : 120x60x60cm.
 MH-58-08 Working Area Size : 180x60x60cm.





#### Laminar Air Flow (Horizontal) Complete S.S. with Microprocessor Control & Alarm

Microprocessor based switches for Switches

> Blower, LED light & UV light with LED back light display. (UV light with Timer)

Pre Filter 90.00% down to 5 micron. **HEPA Filter** ISO 14644 Class 5 (Class 100)

99.97%-99.99% down to 0.3 micron.

Mesh guard for protection of HEPA Filter.

Airflow Frontward Horizontally

Noise Level 60 decibel ± 5%. Velocity 0.35-0.50m/sec.

**UV** Lamp

Work Table Made up of stainless steel 304gr.

Cock for gas on work table. Made of Acrylic. (Foldable) Front door 15/30W, make Philips Holland

Illumination LED Lights for easy operation. Pressure Manometer 0-50mm range with filter

failure alarm.

Power Supply  $230V \pm 10V/50$  Hz single phase A.C. Cabinet made of 304gr. stainless steel. Cabinet Heavy Duty Blower : Dynamically balanced with 0.25 HP

Electric Motor Mounted on anti vibration

pad 1440rpm motor.

• MH-58-09 Working Area Size : 60x60x60cm. • MH-58-10 Working Area Size: 90x60x60cm. • MH-58-11 Working Area Size: 120x60x60cm. Working Area Size: 180x60x60cm. • MH-58-11A



#### Laminar Air Flow (Horizontal) Mild Steel With Microprocessor Control & Alarm

**Switches** 

Airflow

Microprocessor based switches for Blower,

LED light & UV light with LED back light display. (UV light with Timer)

90.00% down to 5 micron. Pre Filter ISO 14644 Class 5 (Class 100) **HEPA Filter** 

> 99.97%-99.99% down to 0.3 micron. Mesh guard for protection of HEPA Filter.

Frontward Horizontally

Noise Level  $60 \text{ decibel} \pm 5\%$ . Velocity 0.35-0.50m/sec.

Work Table Made up of stainless steel 304gr.

Cock for gas on work table.

Side Panels 6mm±.5mm thick Acrylic sheet. Front door Made of Acrylic. (Foldable) **UV** Lamp 15/30W, make Philips Holland,

LED White Light. Illumination

Pressure Digital Manometer 0-50mm range with filter

failure alarm.

 $230V \pm 10V/50$  Hz single phase A.C. Power Supply Made of Mild Steel duly powder coated. Cabinet Dynamically balanced with 0.25 HP Electric Heavy Duty Blower

Motor Mounted on anti vibration pad

1440rpm motor.



• MH-58-12 Working Area Size: 60x60x60cm. • MH-58-13 Working Area Size: 90x60x60cm. • MH-58-14 Working Area Size: 120x60x60cm. • MH-58-14A Working Area Size: 180x60x60cm.



#### Laminar Air Flow Workstation (Horizontal) Mild Steel

Switches : Microprocessor control touch panel for Blower, LED light & UV light with LCD back light display.

(UV light with Timer)

Motorized front door of toughen glass.

Pre Filter : 90.00% down to 5 micron.

HEPA Filter : ISO 14644 Class 5 (Class 100)99.97%-99.99% down to 0.3 micron. Mesh guard for protection of HEPA Filter.

Airflow : Frontward Horizontally
Noise Level : 60 decibel ± 5%.
Velocity : 0.35-0.50m/sec.

Work Table : Made up of stainless steel 304gr. Cock for gas on work table.

Front door : Motorized door of toughen glass UV Lamp : 15/30W, make Philips Holland,

Illumination : LED White Light.

 $Pressure \hspace{1.5cm} : \hspace{.5cm} Digital \hspace{.1cm} Manometer \hspace{.1cm} 0\text{-}50 mm \hspace{.1cm} range \hspace{.1cm} with \hspace{.1cm} filter \hspace{.1cm} failure \hspace{.1cm} alarm.$ 

Power Supply :  $230V \pm 10V/50$  Hz single phase A.C.

Cabinet : Cabinet made of Mild Steel duly epoxy powder coated.

Electricals : 15/5 AMP socket with switch.

Heavy Duty Blower : Dynamically balanced with 0.25 HP Electric Motor Mounted on antivibration pad. 1440rpm motor.

Safety Features : Voltage fluctuations protection. Micro switches for UV & LED lights. Stand : Castor wheels for easy movability. Front wheels lockable with brakes.

MH-58-15 Working Area Size : 60x60x60cm.
 MH-58-16 Working Area Size : 90x60x60cm.
 MH-58-17 Working Area Size : 120x60x60cm.
 MH-58-18 Working Area Size : 150x60x60cm.





#### Laminar Air Flow Workstation (Horizontal) Complete S.S.

Switches : Microprocessor based Touch Panel for Blower,

LED light & UV light. (UV light with Timer)

 $Motorized \, front \, door \, of \, toughen \, glass.$ 

Pre Filter : 90.00% down to 5 micron. HEPA Filter : ISO 14644 Class 5 (Class 100)

99.97%-99.99% down to 0.3 micron.

Mesh guard for protection of HEPA Filter.

Airflow : Frontward Horizontal. Noise Level : 60 decibel ± 5%.

Velocity : 0.35-0.50m/sec.

Work Table : Made up of stainless steel 304gr. Cock for gas on work table.

Front door : Made of Toughen glass. (motorized)
UV Lamp : 15/30W, make Philips Holland
Illumination : LED Lights for easy operation.

Pressure : Digital Manometer 0-50mm range with filter

failure alarm.

Power Supply : 230V ± 10V/50 Hz single phase A.C.
Cabinet : Cabinet made of 304gr. Stainless Steel.
Electricals : 15/5 AMP socket with switch.
Heavy Duty Blower : Dynamically balanced with 0.25 HP

Electric Motor Mounted on anti vibration

pad 1440rpm motor.

Safety Features : Voltage fluctuations Protection.

MH-58-19 Working Area Size: 60x60x60cm.
 MH-58-20 Working Area Size: 90x60x60cm.
 MH-58-21 Working Area Size: 120x60x60cm.
 MH-58-22 Working Area Size: 150x60x60cm.





#### MH-59: Biosafe Cabinet (Wooden) Class II, A-2

Switches : Switches for Blower, LED light & UV light.

HEPA Filter : ISO 14644 Class 5 (Class 100)

99.97%-99.99% down to 0.3 micron.

Mesh guard for protection of HEPA Filter.

Airflow: Vertical, 70% of the air volume is re-circulated, 30% is exhausted.

Noise Level : 60 decibel ± 5%.

Velocity : 0.35-0.50m/sec.

Work Table : Made up of Perforated Stainless Steel 304gr. Cock for gas on work table.

Front door : Made of Acrylic. (foldable)
UV Lamp : 15/30W, make Philips Holland,

Illumination : LED White Light.

Pressure : Manometer 0-50mm range. Power Supply : 230V ± 10V/50 Hz single phase A.C.

Cabinet : Made of Plyboard and covered with sunmica

& epoxy painted inside.

Heavy Duty Blower : Dynamically balanced with 0.25 HP Electric

Motor Mounted on anti vibration pad

1440rpm motor.

Virus Burn out : Fitted with exhaust and HEPA Filter for

environmental protection.

MH-59-01 Working Area Size : 60x60x60cm.
 MH-59-02 Working Area Size : 90x60x60cm.
 MH-59-03 Working Area Size : 120x60x60cm.



#### MH-59-04 : 'Steriflow' Portable Laminar Air Flow

For field use. Under License from IHBT(CSIR). Specially designed and developed for on field culture and analysis of specimens. MDF sturdy body with melamine lamination. Acrylic covers on front & sides. Front door height adjustable, removable base plate, carrying handle & shoulder strap for on-field carrying. 9watt ultra violet germicidal lamp.



#### Biosafe Cabinet (Mild Steel) Class II, A-2

Switches : Microprocessor based switches for Blower, LED light & UV light

with LED back light display. (UV light with Timer)

HEPA Filter : ISO 14644 Class 5 (Class 100) 99.97%-99.99% down to 0.3 micron.

Mesh guard for protection of HEPA filter.

Airflow : Vertical,70% of the air volume is Re-circulated, 30% Exhausted.

Noise Level :  $60 \text{ decibel} \pm 5\%$ . Velocity : 0.35-0.50 m/sec.

Work Table : Made up of Perforated stainless steel 304gr. Cock for gas on work table.

Front door : Made of acrylic duly counter balanced . UV Lamp : 15/30W, make Philips Holland,

Illumination : LED White Light.

Pressure : Manometer 0-50mm range with filter failure alarm.

Power Supply : 230V ± 10V/50 Hz single phase A.C. Cabinet : M.S. frame in powder coated paint finish.

Heavy Duty Blower : Dynamically balanced with 0.25 HP Electric Motor Mounted on anti

vibration pad 1440rpm motor.

Virus Burn out : Fitted with exhaust and HEPA Filter for environmental protection.
Stand : Fitted with Castor Wheels for easy movability. Front Wheels lockable

with brakes.

MH-59-05 Working Area Size: 60x60x60cm.
 MH-59-06 Working Area Size: 90x60x60cm.
 MH-59-07 Working Area Size: 120x60x60cm.





#### Biosafe Cabinet (S.S) Class II, A-2

Switches : Microprocessor based switches for Blower, LED light & UV light with LED back light display. (UV light with Timer)
HEPA Filter : ISO 14644 Class 5 (Class 100) 99.97%-99.99% down to 0.3

HEPA Filter : ISO 14644 Class 5 (Class 100) 99.97%-99.99% down to 0.3 micron. Mesh guard for protection of HEPA Filter.

Airflow : Vertical,70% of the air volume is re-circulated, 30%

 $\begin{array}{ccc} & & \text{exhausted.} \\ \text{Noise Level} & : & 60 \, \text{decibel} \pm 5\%. \\ \text{Velocity} & : & 0.35 \text{-} 0.50 \text{m/sec.} \end{array}$ 

Work Table : Made up of Perforated stainless steel 304gr. Cock for gas on

work table.

Front door : Made of Acrylic duly counter balanced.

UV Lamp : 15/30W, make Philips Holland,

Illumination : LED White Light.

Pressure : Digital Manometer 0-50mm range with filter failure alarm.

Power Supply : 230V ± 10V/50 Hz single phase A.C. Cabinet : Made of 304gr. Stainless Steel.

Heavy Duty Blower : Dynamically balanced with 0.25 HP Electric Motor Mounted

on antivibration pad 1440rpm motor.

Virus Burn out : Fitted with exhaust and HEPA Filter for environmental

protection.

Stand : Fitted with Castor Wheels for easy movability. Front Wheels

lockable with brakes.

MH-59-08 Working Area Size: 60x60x60cm.
 MH-59-09 Working Area Size: 90x60x60cm.
 MH-59-10 Working Area Size: 120x60x60cm.



#### Biosafe Cabinet (Mild Steel) Class II, B-2

Switches : Microprocessor based switches for Blower,

LED light & UV light with LED back light

display. (UV light with Timer)
Pre Filter : 99.00% down to 5 micron.
HEPA Filter : ISO 14644 Class 5 (Class 100)

99.97%-99.99% down to 0.3 micron.

Mesh guard for protection of HEPA Filter.

Airflow : Vertical, 100% Exhausted.

Noise Level :  $60 \text{ decibel} \pm 5\%$ . Velocity : 0.35-0.50 m/sec.

Work Table : Made up of Perforated stainless steel

304gr. Cock for gas on work table.

Front door : Made of Acrylic duly counter balanced. UV Lamp : 15/30W, make Philips Holland,

Illumination : LED White Light.

Pressure : Digital Manometer 0-50mm range with filter

failure alarm.

Power Supply : 230V ± 10V/50 Hz single phase A.C.
Cabinet : M.S. frame in powder coated paint finish.
Heavy Duty Blower : Dynamically balanced with 0.25 HP

Electric Motor Mounted on antivibration pad 1440rpm motor.

Virus Burn out : Fitted with exhaust and HEPA Filter for

environmental protection.

Stand : Fitted with Castor Wheels for easy

movability. Front Wheels lockable with brakes.

MH-59-11 Working Area Size: 90x60x60cm.
 MH-59-12 Working Area Size: 120x60x60cm.
 MH-59-13 Working Area Size: 150x60x60cm.





# MH-59-14 Working Area Size 90x60x60cm. MH-59-15 Working Area Size 120x60x60cm. MH-59-16 Working Area Size 150x60x60cm.

#### MH-59-14 : Biosafe Cabinet (S.S.) Class II, B-2

Switches : Microprocessor based switches for Blower,

LED light & UV light with LED back light

display. (UV light with Timer)
Pre-filter : 99.00% down to 5 micron.

HEPA Filter : ISO 14644 Class 5 (Class 100)

99.97%-99.99% down to 0.3 micron.

Mesh guard for protection of HEPA filter.
Airflow: Vertical, 100% Exhausted.

Noise Level : 60 decibel ± 5%.

Velocity : 0.35-0.50m/sec.
Work Table : Made up of Perforated stainless steel

304gr. Cock for gas on work table.

Front door : Made of Acrylic duly counter balanced .

UV Lamp : 15/30W, make Philips Holland,

Illumination : LED White Light.

Pressure : Digital Manometer 0-50mm range with filter

failure alarm.

Power Supply : 230V ± 10V/50 Hz single phase A.C.
Cabinet : Made of 304gr. Stainless Steel.
Heavy Duty Blower : Dynamically balanced with 0.25 HP

Electric Motor Mounted on anti

vibration pad 1440rpm motor.

Virus Burn out : Fitted with exhaust and HEPA Filter for

environmental protection.

Stand : Fitted with Castor Wheels for easy

movability. Front Wheels lockable with brakes.



#### MH-60: Fume Hood (Stainless Steel)

The work surface of granite is fitted with small wash basin & good quality tap. A gas cock is also fitted. Sliding sash made of polycarbonate / toughened glass moves vertically up and down with concealed counter balanced weights. Chamber is fitted with fluorescent light assembly. Space underneath the work surface is provided with storage compartment. 15/5 Amp socket with switches is provided for light and exhaust system. Supplied with cord and plug to work on 220 volts 1/3 phase 50Hz A.C. Complete with motor blower for exhaust system and Duct to take out fumes.

Fume Hood (Stainless Steel) Frame of S.S. 304 grade from outside  $\&\,316$  grade inside.

- Made of Stainless Steel.
- Granite Working Platform.
- High Speed Centrifugal Blowers.
- Front Sash with counter weights.
- LED illumination lights.
- Water tap and PP sink.
- Provision for gas and air Connection storage cup board.
- 15/5 Amp Switches and Socket

• MH-60-01	Working Area Size	90x60x60cm.
• MH-60-02	Working Area Size	120x60x60cm.
• MH-60-03	Working Area Size	120x75x75cm.
• MH-60-04	Working Area Size	150x75x75cm.





#### Fume Hood

#### Fume Hood (Mild Steel)

- Made of Mild Steel duly epoxy powder coated.
- Granite Working Platform.
- High Speed Centrifugal Blowers.
- Front Sash with counter weights.
- Fluorescent illumination lights.
- Water tap and PP sink.
- Provision for gas and air Connection storage cup board.
- Storage cup board.
- •15/5 Amp Switches and Socket

•	MH-60-05	Working Area Size	90x60x60cm.
	MH-60-06	Working Area Size	120x60x60cm
•	MH-60-07	Working Area Size	120x75x75cm.
	MH-60-08	Working Area Size	150x75x75cm

#### Fume Hood (Wooden)

- Made of Ply-Board covered with Melamine lamination from outside and epoxy painted from inside.
- Granite Working Platform.
- High Speed Centrifugal Blowers.
- Front Sash with counter weights.
- Fluorescent illumination lights.
- Water tap and PP sink.
- Provision for gas and air Connection storage cup board.
- 15/5 Amp Switches and Socket

MH-60-09 Working Area Size 90x60x60cm.
 MH-60-10 Working Area Size 120x60x60cm.
 MH-60-11 Working Area Size 120x75x75cm.





#### MH-60-12 **Demonstration Fume Hood**

Demonstration Fume Hood offer a low-cost solution for protection of students, teachers, and the environment during chemistry experiments. Demonstration Fume Hood provides exceptional protection from generating toxic fumes. Vapours, particulate, or smoke. Structure made of mild steel and powder coated paint finish. Worktop of granite and fitted with PP sink & water tap. Gas cock provided on top. High speed exhaust system fitted on top. Front door open able & all three side fitted with transparent  $sheet.\ Illumination \&\ 15/5\ amp\ socket \quad provided.\ Storage\ space\ for\ chemical\ etc.\ under\ the\ workbench.$ Working Area Size: 90x60x60cm



#### Fume Hood Stainless Steel with Digital Air Flow Monitor and Exhaust System

Aerodynamic, floor mounted **Design Structures** Air flow type Automatic bypass type Construction (Exteriors) Available in two options:-

> (A) Stainless Steel 304gr. Outside & 316gr. S.S. Inside.

(B) Epoxy powder coated 18 & 22 Gauge Galvanized steel structure.

Baffle arrangement 2 Point suction section with baffle to ensure smooth and immediate exhaust of fumes.

As per ASHRAE & EN norms.

Airfoil Flush powder coated airfoil mounted on the worktop.

Worktop Available in following options

Chemical resistant splash & spillage proof jet black granite worktop. Sink, water tap with drain arrangement (A)

worktop fitted with oval shaped 100x200mm PP cup-sink for drainage.

(B)

Stainless Steel 316gr. (C)

Sash (Shutter) Vertical Sliding counter balanced toughened glass (5mm thick) / Polycarbonate fitted in the powder coated

Aluminum. Clear sash open height =500mm-675mm according to size & Fume Hood.

Service Fittings Remotely operated colour coded (as per international standard) total three services valves with SS breaded

flexible hose & brass fittings (1 for water & 2 for gases)

Lighting LED Light for better illumination with less power consumption.

Electrical utilities Four nos electrical sockets 15/5 amp & switches, 'North West / HAVELLS make  $\setminus$  50Hz switches have LED to

indicate ON position. Switch for blower & tube light. LED indicators to show ON position of switches to be

provided. Control panel provided with starter for blower. • Complete rigid structure to support fume hood.

• Double skin shutter with self closing hinges.

This device is an accessory for fume hood to indicate the approximate face velocity of airflow with primary Digital Air Flow

purpose of warning when a low flow condition occurs. Red & LED's correspond to low & normal flow rates. When flow decreases from normal to low an audible alarm will also actuate requiring manual acknowledgment

Centrifugal Blower Silent high efficiency blower, consisting of continuous rating motor and chemical resistant impeller.

The blower designed to give face velocity of 80 to 120 feet/minute (FPM) as per ANSI/AIHA Z9.5

at the safe working height.

Air suction capacity Silent 650 CFM confirming to international face velocity norms and a per fume hood airflow pattern.

#### Fume Hood (Stainless Steel) Frame of S.S. 304 grade from outside & 316 grade inside.

	MH-60-13	Working Area Size	90x60x60cm.
•	MH-60-14	Working Area Size	120x60x60cm.
•	MH-60-15	Working Area Size	120x75x75cm.
•	MH-60-16	Working Area Size	150x75x75cm.

#### an Hand (Mild Stool)

rullie Hood (Milia Steel)			
<ul><li>MH-60-17</li></ul>	Working Area Size	90x60x60cm.	
• MH-60-18	Working Area Size	120x60x60cm.	
• MH-60-19	Working Area Size	120x75x75cm.	
• MH-60-20	Working Area Size	150x75x75cm.	



Fume Hood Stainless Steel with Digital Air Flow Monitor and Exhaust System





#### MH-60-25 : Grossing Table Complete S.S. with Exhaust

- Made of high grade stainless steel
- Continuous air flow along entire work area.
- Integrated illumination with UV germicidal light.
- Working area of 5'x2.5'x3' and sides made from Acrylic material.
- Self supporting under carriage with adjustable legs.
- Adjustable set of stools with rest to reduce back strain.
- Dictaphone
- Camera holder on railing system
- Magnifying glass / light magnifier with flexible arms.
- Document holder for requisition forms, literatures etc.
- Magnetic instrument holder.
- Paper towel holder.
- Inch / centimeter ruler.
- Polythylene cutting board.
- Steel basin with adjustable valve with formalin pour off basin.
- Study perforated insertable work plates.
- Waste bin
- Sprinkler system with adjustable valve for both sanitation located underneath the perforated working plates.
- Removable organizer bins.
- Safety splash shield.
- Drawers

Size: 150x75x90cm





#### MH-60-26 - Pass Box (Dynamic)

Complete Stainless Steel 304 grade fabrication. Designed to revent cross contamination and ensure clean environment. Complete with door switch & buzzer. Double walled doors with glass view panels. Perfectly calibrated interlocking system to operate the doors. Electromagnetic interlocking to ensure only one side door will be opened at a time. Provided with pre-filter, HEPA filter, blower unit & UV lamp. Magnehelic Differential Pressure Gauge provided with the Pass Box. Working on  $230V \pm 10V/50\,\text{Hz}$  single phase A.C. Working Area Size: 60x60x60cm.





#### MH-60-27 - Pass Box (Static)

Complete Stainless Steel 304 grade fabrication. Designed to prevent cross contamination and ensure clean environment. Complete with door switch & buzzer. Double walled doors with glass view panels. Perfectly calibrated interlocking system to operate the doors. Electromagnetic interlocking to ensure only one side door will be opened at a time. Provided with UV lamp. Working on 230V  $\pm$  10V/50 Hz single phase A.C. Working Area Size: 60x60x60cm.

#### S. S. Scoop Open Type

Made of S. S. 316 grade. Mirror finish.

- MH-60-30 S. S. Scoop 250gm
- MH-60-31 S. S. Scoop 500gm
- MH-60-32 S. S. Scoop 1000gm
- MH-60-33 S. S. Scoop 2000gm





#### S. S. Scoop Closed Type

Made of S. S. 316 grade. Mirror finish.

• MH-60-34	S. S. Scoop	250gm
• MH-60-35	S. S. Scoop	500gm
• MH-60-36	S. S. Scoop	1000gm
• MH-60-37	S. S. Scoop	2000gn



## Insect Storage/Entomological Equipment

#### MI-61: Insect Storage Box

For pinning of insects on both inside top & bottom. White hardwood/Teakwood frame with melamine lamination on top & MDF sheet bottom is nicely polished. Top & bottom lined with 8 mm thick soft pinning, washable EVA Sheet. Inside glazed white. Raised wall with holes for insecticide inside bottom to make box air tight and pest proof. Fitted with brass hinges, index card holder & clips.

MI-61-01 Size: 53x45x9 cm.
MI-61-02 Size: 45x30x7.5 cm.
MI-61-03 Size: 38x25x7.5 cm.
MI-61-04 Size: 30x23x7.5 cm.





#### MI-62: Insect Display & Storage Showcase

For Pinning of Insects on Bottom. White hardwood/Teakwood with glass in wooden frame on top & MDF Sheet bottom is nicely polished. Bottom lined with 8 mm thick soft pinning, washable EVA Sheet. Inside glazed white. Raised wooden wall with holes for insecticide inside bottom to make box air tight and pest proof. Fitted with brass hinges, index card holder & clips.

MI-62-01 Size: 53x45x9 cm.
MI-62-02 Size: 45x30x6.5 cm.
MI-62-03 Size: 38x25x6.5 cm.
MI-62-04 Size: 30x23x6.5 cm.

#### MI-63-01 : Insect Display Showcase (Wall Hanging)

For display of insects in corridors, laboratory etc. MDF frame with MDF sheet bottom and glass top is nicely polished. Bottom lined with 8mm thick EVA sheet. Raised wall with holes for insecticide inside bottom to make box airtight & pest-proof. Fitted with clips, lock, handle, hanging hooks on ends and LED White Light inside. Size  $90 \times 60 \times 11$  cm.





#### MI-64: Insect Showcase Cabinet (Small)

For Keeping Insect Storage & Display Showcase of Size 45x30x6.5cm.(MI-62-01) Cabinet frame of 19mm. thick plyboard with melamine lamination. Hinged door is provided with lock and handle and is lined with velvet.

MI-64-01 Cabinet with 6 Showcases.
MI-64-02 Cabinet with 12 Showcases.
MI-64-03 Cabinet with 24 Showcases.

• MI-64-04 Cabinet (M.S. With Powder Coated Paint Finish) with 10 Showcases.

• MI-64-05 Cabinet (M.S. With Powder Coated Paint Finish) with 20 Showcases.

#### MI-65: Insect Showcase Cabinet (Large)

Provided with 53x45x9cm Size drawer for keeping insects. Drawer of MDF with MDF sheet bottom and removable glass top is lined with 8mm thick EVA sheet and is glazed white from inside. Strips with provision for insecticide fitted inside drawer. Glass top frame designed to make box air-tight and pest proof. Fitted with index card holder and puller knobs. Nicely polished. Cabinet frame of plyboard with melamine lamination. Hinged door is provided with lock and handle and is lined with velvet.

MI-65-01 Cabinet with 12 Drawers
MI-65-02 Cabinet with 24 Drawers





## Insect Storage/Entomological Equipment

#### Mobile Insect Storage System

An all new 'VERSATILE' space efficient, elegant looking, sturdy and compact system for insect storage supported with care, safety-privacy vis-àvis being compact to accommodate large quantity in less space, easy to handle, convenient to monitor-sort.

The system contains Compactor units which can be arranged to suite your requirements, according to the space available and above all can be secured with a single lock.

The metallic compactor units made of mild steel with powder coated paint finish can be moved for handling the specimens and again joined to be locked only on the end unit and all units are secured. Showcases are arranged in rows of 20 each with two rows in each unit. End units are for 40 showcases whereas the intermediate units accommodate showcases back to back, i.e., 80 showcases and again the end unit for 40 showcases.

Intermediate units can be increased as per space requirement.

There are options for showcases, metallic or wooden. Size options of 53x45x7.5cm. or 45x45x7.5cm. or 45x30x6.5cm. with pinning EVA sheet is base, provision for insecticide, puller knobs, index card holder etc.





## Insect Storage/Entomological Equipment

#### VERSATILE INSECT STORAGE SYSTEM.

Consists of four numbers of optimizers placed together. Anyone of the four can be moved to make space between two optimizers. Inside each optimizer, racks are provided for storing 40 numbers of insects showcases of size 53x45x8cm. or 45x45x7.5cm. or 45x30x6.5cm. arranged in two vertical rows. In middle optimizers, storage space in back to back, i.e., middle optimizers are for 80 showcase each and side optimizers for 40 showcases each. Optimizer body is in rigid knock down construction. Made of CRCA sheet and powder coated with epoxy polyester powder. Provided with Sliding glass doors. Undercarriage is a welded frame of HR sheet. Bodies are bolted to undercarriages and these move on channels. Centralized all the units are brought together.

Showcase of MDF with plywood bottom and removable glass top in lined with 8mm thick EVA sheet and is glazed white from inside. Wooden batons with provision for insecticide fitted inside showcase. Glass top frame designed to make box air tight and pest proof. Fitted with index card holder and puller knobs.

2. For Pinning of Insects on Bottom. White hardwood Teakwood with glass in wooden frame on top & MDF Sheet bottom is nicely polished. Bottom lined with 8 mm thick soft pinning, washable EVA Sheet. Inside glazed white. Raised wooden wall with holes for insecticide inside bottom to make box air tight and pest proof. Fitted with brass hinges, index card holder & clips.

3.For pinning of insects both inside top & bottom. White hardwood Teakwood frame with melamine lamination on top & MDF sheet bottom is nicely polished. Top & bottom lined with 8 mm thick soft pinning, washable EVA Sheet. Inside glazed white. Raised wall with holes for insecticide inside bottom to make box air tight and pest proof. Fitted with brass hinges, index card holder & clips.

• MI-65-03 Size 45x30x6.5 cm (240 Showcases)

• MI-65-04 Size 53x45x9 cm (240 Drawers)

