

Clean Air Equipment



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MICROSCOPES & OPTICS

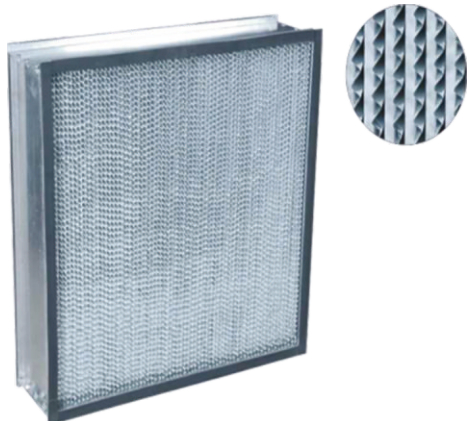
iX-51-01:Laminar Air Flow (Portable)

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 decibel \pm 5%.
Velocity	: 0.35-0.50m/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 \pm 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 anti vibration pad 1440rpm motor.
Working Area Size	: 45x45x45cm.



iX-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.



- iX-55-01 HEPA Filter Size : 60x60x15cm
- iX-55-02 HEPA Filter Size : 60x60x15cm
- iX-55-03 HEPA Filter Size : 120x60x15cm



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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.



iX-55-04	Pre Filter	Size:55X55X5cm
iX-55-05	Pre Filter	Size:85X55X5cm

iX-56: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	:	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 \pm 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.
Power Supply	:	230V \pm 10V/50 Hz single phase A.C.
Cabinet	:	Cabinet made of Mild Steel duly powder coated.
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. Micro switche for UV & LED Lights.
Stand	:	Castor Wheels for easy movability. Front Wheels lockable with brakes.

iX-56-01	Working Area Size: 60x60x60cm
iX-56-02	Working Area Size: 90x60x60cm
iX-56-03	Working Area Size: 120x60x60cm
iX-56-04	Working Area Size : 150x60x60cm

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

Switches	:	Microprocessor based Touch Panel for Blower, LED light & UV light. (UV light with Timer)
Pre Filter	:	Motorized front door of toughen glass.
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.
Airflow	:	Top to downward
Noise Level	:	60 decibel \pm 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.
Power Supply	:	230V \pm 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 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.



iX-57-05	Working Area Size :60x60x60cm
iX-57-06	Working Area Size :90X60X60cm
iX-57-07	Working Area Size :120X60X60cm
iX-57-08	Working Area Size :150X60X60cm

iX-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 \pm 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 Light for easy operation
Pressure	:	Manometer 0-50mm range.
Power Supply	:	230V \pm 10V/50 Hz single phase A.C.
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.

iX-57-01	Working Area Size :60x60x60cm
iX-57-02	Working Area Size :90X60X60cm
iX-57-03	Working Area Size :120X60X60cm
iX-57-04	Working Area Size :180X60X60cm

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iX-57-05: Exhaust System for Laminar Air Flow (Vertica)

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 \pm 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 anti vibration pad 1440rpm motor.

iX-57-06	Working Area Size :60x60x60cm
iX-57-07	Working Area Size :90X60X60cm
iX-57-08	Working Area Size :120X60X60cm
iX-57-09	Working Area Size :180X60X60cm



iX-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 $37^{\circ}\pm 0.4^{\circ}\text{C}$ (32.7°F). Work top temperature is constantly displayed on the front panel, and temperature is easily adjustable from the controller.
- The workstation 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 within the zone.
- Working Area Size 120x60x60cm.

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iX-57: Laminar Air Flow (Vertical) Mild Steel

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 \pm 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 Mild Steel duly powder coated.
Heavy Duty Blower	: Dynamically balanced with 0.25 HP Electric Motor Mounted on anti vibration pad 1440rpm motor.



iX-57-11	Working Area Size :60x60x60cm
iX-57-12	Working Area Size :90X60X60cm
iX-57-13	Working Area Size :120X60X60cm
iX-57-14	Working Area Size :180X60X60cm

iX-58:Laminar 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)
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 \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 \pm .5mm thick Acrylic sheet.
Front door	: Made of Acrylic. (Foldable)
UV Lamp	: 15/30W, make Philips Holland,
Illumination	: LED White Light.
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 anti vibration pad 1440rpm motor.

iX-58-01	Working Area Size :60x60x60cm
iX-58-02	Working Area Size :90X60X60cm
iX-58-03	Working Area Size :120X60X60cm
iX-58-04	Working Area Size :180X60X60cm

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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 \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 \pm .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 \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 anti vibration pad 1440rpm motor.

iX-58-05	Working Area Size :60x60x60cm
iX-58-06	Working Area Size :90X60X60cm
iX-58-07	Working Area Size :120X60X60cm
iX-58-08	Working Area Size :180X60X60cm



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

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	: Frontward Horizontally
Noise Level	: 60 decibel \pm 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 Acrylic. (Foldable)
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. stainless steel.
Heavy Duty Blower	: Dynamically balanced with 0.25 HP Electric Motor Mounted on anti vibration pad 1440rpm motor.



iX-58-09	Working Area Size :60x60x60cm
iX-58-10	Working Area Size :90X60X60cm
iX-58-11	Working Area Size :120X60X60cm
iX-58-11A	Working Area Size :180X60X60cm

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



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	: Frontward Horizontally
Noise Level	: 60 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 \pm .5mm thick Acrylic sheet.
Front door	: Made of Acrylic. (Foldable)
UV Lamp	: 15/30W, make Philips Holland,
Illumination	: LED White Light.
Pressure	: Digital 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 coated.
Heavy Duty Blower	: Dynamically balanced with 0.25 HP Electric Motor Mounted on anti vibration pad 1440rpm motor.

iX-58-12	Working Area Size :60x60x60cm
iX-58-13	Working Area Size :90X60X60cm
iX-58-14	Working Area Size :120X60X60cm
iX-58-14A	Working Area Size :180X60X60cm

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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 \pm 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	: Digital Manometer 0-50mm range with filter failure 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 anti vibration 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.

iX-58-15	Working Area Size :60x60x60cm
iX-58-16	Working Area Size :90X60X60cm
iX-58-17	Working Area Size :120X60X60cm
iX-58-18	Working Area Size :150X60X60cm



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iX-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 decibel \pm 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	: Manometer 0-50mm range with filter failure alarm.
Power Supply	: 230V \pm 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.



iX-59-05	Working Area Size :60x60x60cm
iX-59-06	Working Area Size :90X60X60cm
iX-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 micron. Mesh guard for protection of HEPA Filter.
Airflow	: Vertical, 70% of the air volume is re-circulated, 30% exhausted.
Noise Level	: 60 decibel \pm 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 \pm 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.



iX-59-08	Working Area Size :60x60x60cm
iX-59-09	Working Area Size :90X60X60cm
iX-59-10	Working Area Size :120X60X60cm

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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 \pm 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 \pm 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.

iX-58-19	Working Area Size :60x60x60cm
iX-58-20	Working Area Size :90X60X60cm
iX-58-21	Working Area Size :120X60X60cm
iX-58-22	Working Area Size :150X60X60cm



iX-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 \pm 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 \pm 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.

iX-59-01	Working Area Size :60x60x60cm
iX-59-02	Working Area Size :90X60X60cm
iX-59-03	Working Area Size :120X60X60cm



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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 decibel \pm 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 \pm 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.



iX-59-11	Working Area Size :60x60x60cm
iX-59-12	Working Area Size :90X60X60cm
iX-59-13	Working Area Size :120X60X60cm

iX-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 \pm 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 \pm 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.

iX-59-14	Working Area Size :60x60x60cm
iX-59-15	Working Area Size :90X60X60cm
iX-59-16	Working Area Size :150X60X60cm

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iX-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 cu

iX-60-01	Working Area Size :90x60x60cm
iX-60-02	Working Area Size :120X60X60cm
iX-60-03	Working Area Size :120X75X75cm
iX-60-04	Working Area Size :120X60X75cm



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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 Switch

iX-60-09	Working Area Size :90x60x60cm
iX-60-10	Working Area Size :120X60X60cm
iX-60-11	Working Area Size :120X75X75cm

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 Sock

iX-60-05	Working Area Size :90x60x60cm
iX-60-06	Working Area Size :120X60X60cm
iX-60-07	Working Area Size :120X75X75cm
iX-60-08	Working Area Size :150X75X75cm



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iX-60-12 Demonstration Fume Hood

Rescholar Demonstration Fume Hood offer a low-cost solution for protection of students, teachers, and the environment during chemistry experiments. Rescholar 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 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

Design Structures	: Aerodynamic, floor mounted
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 (A) Chemical resistant splash & spillage proof jet black granite worktop. Sink, water tap with drain arrangement worktop fitted with oval shaped 100x200mm PP cup-sink for drainage. (B) Epoxy top (C) Stainless Steel 316gr.
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 braided 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 \ 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.
Digital Air Flow	: This device is an accessory for fume hood to indicate the approximate face velocity of airflow with primary 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 for silence.
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 conforming to international face velocity norms and a per fume hood airflow pattern.

Frame 304 grade, inner 316 grade

iX-60-13	Working Area Size :90x60x60cm
iX-60-14	Working Area Size :120X60X60cm
iX-60-15	Working Area Size :120X75X75cm
iX-60-16	Working Area Size :150X75X75cm

Frame (Mild Steel)

iX-60-17	Working Area Size :90x60x60cm
iX-60-18	Working Area Size :120X60X60cm
iX-60-19	Working Area Size :120X75X75cm
iX-60-20	Working Area Size :150X75X75cm

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



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iX-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.
- Polyethylene 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

