

BIO SAFETY CABINET



GLASSAGENCIES are
Manufacturer of Bio
Safety Cabinet under
EROSE Brand

Bio-Safety Cabinets are of international quality and are considered top of the line by its very large number at regular users. A few unique features of these in cabinets are as follows:

Safety: U.V. Light in work chamber inter locked with Door & Fluorescent Light switches On only when door is closed and automatically switches OFF fluorescent lights. 30 minutes Auto off timer is optional

2-Stage Exhaust Protection:

- i) HEPA Filters
- ii) UV Burn out, with in work chamber to working.

Sliding Sash- Counter Balanced Door up & down.

Spillage Drain System: - Collection Cannels with Drain outlet provided under the work table.

Front Arm Rest is provided to prevent operator's arms from the blocking air flow, and for user comfort along with Foot Rest.

Electrical: All electrical fittings are as per ISI.Standared., All switches are placed on the front facia of the Chamber. All internal wirings are protected with heat resident material., Mains are through MCB for higher protection against shock/damage.

Sloped Front: Ergonomically design ensures better operator comfort and more reach into the work Area. Work Zone made of Stainless Steel 304 grade. Factor pre-installed for instant commissioning only ducting needs to be connected at side.

Optional: Virus Burn out unit at Exhaust. *UV Hour Meter, to keep track of total UV used time. *Exhaust System, for ducting length above 5 feet. *Full body Chamber and work Table of heavy S.S.-304 grade.

These cabinets are available in the following Class varieties:

| | |
|--------------------|---|
| Type | Airflow Pattern Personal product & Environmental protection |
| Class I | Front suction, exhaust through HEPA Filter |
| Class II, Type A | 70% re-circulated through HEPA 30% Exhaust through HEPA W/O! Duct |
| Class II, Type B | 100% re-circulated through HEPA |
| Class II, Type B1 | 30% re-circulated through HEPA, 70% Exhaust through HEPA & ducted |
| Class II, Type B 2 | NO Re-Circuited 100% Exhaust w/o H.E.P.A. through Ducted |

GLASS AGENCIES

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Specification:

Laminar Airflow Velocity : Average of 0.45 m/s or 90 fpm measured 150mm/ 6" filter face 45 air changes/minute work zone
RE – Circulation : 70% OF TOTAL Air Velocity
Exhaust : 30% of total Air Velocity

Main & Exhaust Filters: with standard HEPA Filter (Minipleat HEPA Optional)

HEPA Filters : Rated for min. 99.97% efficiency at 0.3 micron particle size
Pre-Filters : Low pressure drop. High efficiency, 10 microns
Illumination : By Fluorescent Tube, size as per working area
Light intensity : The intensity of the light at the work surface is in between 800 to 1000 lux.
UV Sterilization : in work chamber 7 Exhaust plenum. Emission in the germicidal band UV- Size as per working area.
Noise Level : 58db at operator point
Inter Lock : UV/Flourscent Lites/Doors (Optional)
Exhaust : Double protection with HEPA & hitter
Motor/Blowers : Double shaft, Balanced, low vibration.
Power : 220-240VAC/50 HZ 1 Phase

| | Dimension of Work Chamber | S.S. Chamber | M.S. Chamber | Wooden Chamber |
|----|---------------------------|--------------------|--------------------|-------------------|
| 01 | 3'x2'x2 | EROSE BSCSS 0.0001 | EROSE BSCMS 0.0001 | EROSE BSCW 0.0001 |
| 02 | 4'x2'x2' | EROSE BSCSS 0.0002 | EROSE BSCMS 0.0002 | EROSE BSCW 0.0002 |

•Other sizes can be designed as per customer specification.

•Note: All the Optional Accessories as well as Test Facilities are at extra cost.

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