

Bio safety Cabinet

RS Class II Bio safety Cabinet Type A1 & A2 are designed for the protection of the operator, product, and environment from pathogenic agents and microorganisms transmitted in a respiratory way and also for the creation of a bacterial dust-free air environment. It has a common plenum from which 30% of air is exhausted, and 70% re-circulated to the work area as the down flow. Type A cabinets exhaust air directly back to the laboratory, and they may contain positive pressure contaminated plenums. When toxic chemicals must be employed as an adjunct to microbiological processes, these cabinets should not be used. Exhaust HEPA filtration only removes airborne aerosols including biohazards, and not chemical fumes.



Specifications:

- Product: Class I A-1 & A-2 Biosafety Cabinet / Class II B-1 & B-2 Biosafety Cabinet
- Air balancing: -70% recirculation 30% exhaust / 100% Exhaust
- Protection: - personnel & environmental protection
- MOC: - M.S. Powder Coated / Stainless Steel - Matt Finish
- Exhaust Filter:- HEPA Filter having EU 13 rating with suitable size
- Efficiency: -99.99% down to 0.3 Microns
- Pre Filter: - EU 4 rating with suitable size
- Efficiency: -90% down to 10 Microns
- Inflow Velocity:- Minimum 100% from the front opening
- Noise Level: Less than 70 dB 'A'
- Vibration Level: - Minimum.
- Magnehelic Differentials Pressure Gauge: - 01 No. Range 0 to 25mm (Make: Omicron USA) with each unit (To measure differential pressure across the supply HEPA filter)
- Motor Blower Assembly: - Statically & and dynamically balanced with suitable rating and size. (Induction motor with centrifugal blower)
- White Lights: - Lights through white acrylic cover to get maximum light intensity
- UV Lights:- Ultraviolet Light for Bacteria Destroy
- Door:- Easy Sliding Door for weight lifting
- 3 Pins Switch & Socket: - 15 AMPS - 1 set in each unit
- Other Switches: - On/Off switches for motor blower & CFL lights