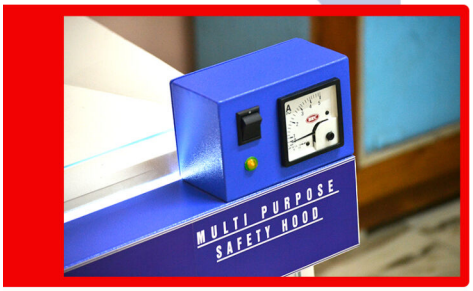
MULTIPURPOSE SAFETY HOOD

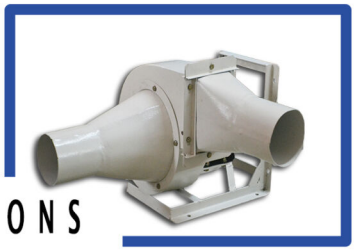
GENESYS MULTI PURPOSE SAFETY HOODS are one of its kinds developed specifically to carry out all microbiological works in a safe environment, which is compact in size and easy to move. The design is entirely an innovative idea to accomplish the need of working harmlessly in small centres where space is a real constrain. This equipment is designed to provide operator safety equivalent to class 2 Bio Safety Cabinets. This has been designed in such a way that it could be moved to any place easily and also could be used for various other laboratory purposes also. This is made of Epoxy powder coated Mild steel. No prouct protection and environmental protection is provided by the machine. Not intended to be used for handling liquid cultures or suspensions of Mycobacterium tuberculosis complex normally.

UNIQUE GLASS sash provides maximum visibility which can be removed after the work for cleaning or during the shifting hood. Sash can be re-inserted in to the slots of the hood by inserting it from the top.

AMMETER is provided in the hood to measure current in the circuit. This meter provides the total current used by the motor in Amperes.

A Red light indicator is provided in the hood to indicate that the equipment is currently working.





TECHNICAL SPECIFICATIONS

- Size of the item is approx. 2 feet X 1.5 feet X 2 feet height.
- Hood made of powder coated metal sheet 20 - 22 gauge without bottom piece
- Front glass, placed in Aluminium channels fixed to the angles closed at 6 inches above the work bench to provide open space below.
- An enclosure for light made of the same powder coated sheet, which opens over (front of) the upper part of the glass with over hanging wings on both sides, which can be screwed to the side of the unit.
- The enclosure houses a 20W Fluorescent tube with choke and a master switch with indicator in the front area. The sides of the enclosure may have openings for cooling the light.
- The top piece of the unit has an attached powder coated metal tube projecting 3 inches to which a 4 inch diameter flexible hose (exhaust) could be connected.
- The exhaust is constituted with 1 meter spring hose and the rest with rigid PVC piping that is connected to a motor with impeller with approx 150 cfm capacity.
- Bends and the hose are positioned in such a way that only 50% reduction will be there for the suction capacity (recommended <3 bends).
- The motor with impeller is positioned inside the room attached to the wall
- The master switch on front of the light enclosure powers both the light as well as the motor.
- The motor is connected through an appropriate Ampere meter (analog) located in the front panel.
- Two collapsible handles on both sides of the unit for holding the unit when moving it.
- The machine will provide an inward airflow of >75 linear feet per minute.
- The machine should ideally be connected to a UPS/inverter with at least 600 VA rating for safe operation.
- The machine is to be placed on a sturdy work bench, preferably with corrosion resistant top, like Black granite/Vitrified tiles/SS304/FRP.
- The Multi Purpose Safety hood could be operated at 230Volt, 50 Hz, 10 Amp electrical lines.