

Biological Safety Cabinet



Biological Safety Cabinets [“Class II”] an integral factory assembled system, permitting total disinfections. These are designed to use simultaneous primary biological and chemical containment. The re-circulation of cabinet air through a second HEPA Filter (High Efficiency Particular Air-Mini Pleat type) offers a highest level of cleanliness. Air is drawn through pre-filter and is made to pass through HEPA Filter having efficiency to pertaining all airborne particles of size 0.3 microne and larger.

Using a dynamic balanced motor with blower assembly system [1/5HP-1440 RPM] operates with minimum noise level and the exhaust duct [1/4 HP motor-2880 RPM] Idled On the back bottom of the unit. The basic unit made of Mild Steel powder Coating which includes standard accessories like static pressure manometer.

HEPA Filters for cab net [Mini pleat type] Pre-filters. one UV light for the work area. one coach for gas. It is suitable for handling medium to low risk organisms encountered in Research. Investigation. Labs in all branches of Medical. Agriculture. and Pharmaceutical Sciences. The equipment is built with an exhaust system on the top of the unit having 4' dia PVC duct for the provision of connecting the pipe. in addition to normal features of Vertical Laminar Flow class 1 it is provided with following unique features.

- a) Front door provided with UV stabilized polycarbonate sheet in foldable
- b) Filtered Exhaust:** Protects ambient environment, avoids build up. heat. for
- c) Supplementary Air Barrier:** Prevents of contamination through make open.
- d) Built In U.V germicidal light:** facilitates sterilization of working area before and after use , U.V Tube (Philips).
- e) Cleanliness “CLASS II” with an efficiency of 99.99%

Model No	Size of worktableSS Top	Outer Dimension
EBSC-1	2' x 2' x 2'	29" x 36" x 76"
EBSC-2	3' x 2' x 2'	41" x 36" x 76"
EBSC-3	4' x 2' x 2'	53" x 36" x 76"
EBSC-4	5' x 2' x 2'	65" x 36" x 76"
EBSC-5	6' x 2' x 2'	77" x 36" x 76"

NB: In accordance to its safety performance necessities and stipulations. the Sc Safety Cabinet (Class II) can be constructed in the following types

Type A: 70% air (approx) re circulating & 30% exhausting

Type B1: 30% air (approx) re circulating & 70% exhausting

Type B2: 100% exhausting and no re circulation

Bio Safety cabinet (Class I) can be supplied

OPTIONAL

- Virus burn out chamber
- Dwyer magnehelic gauge
- Glass Bead Sterilizer 2" dia 4" depth
- Infra-red activated sterilizer can be supplied
- For Type B-2, Carbon HEPA Filter (for filtering air prior to discharge the outside area)



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