

Laminar Airflow Chamber

(Number required – 2 each different size)

Technical Specifications for Laminar Air flow chamber no.1

1. Operational Requirements
 - a. The basic equipment shall consist of a HEPA filter, pre filter, suitable blower assembly, necessary lighting, indicators and controls for the cabinet.
2. **Type of Flow:** Vertical – Re-circulatory
3. HEPA FILTER: Face dimensions: 4ft (L) X 2ft (W) X 6 ft The HEPA filter should have rated efficiency of 99.97% (or better) at 0.3 microns to provide product protection of Class 100 or exceeding Class 100 requirements of Federal Standards 209E or equivalent ISO within the work.
4. Pre filter with Synthetic, non-woven polyester fibers having casing of enamel painted CRCA frame with Retention of 10 - 15 Micron and 90 % Efficiency. Washable with an arrestance of 90% or better
5. Dimensions : 32"(w) x30" (D)x33"(H)
6. Specifications
 - With Airborne particulate controller and UV microprocessor controller
 - Should qualify ISO 5 vertical laminar flow air standards
 - Must have 360-degree visibility
 - Integral polypropylene base for easy cleaning with thermoplastic construction
 - Built-in fluorescent light and Slip hatch access port
 - HEPA filter monitor automatically indicates when filter change is required
 - Sturdy cart for mobility
 - Metal-free polypropylene construction available
 - Ultra Low Particulate Air filter

- IV bar, HEPA filter monitoring with audible/visible filter change alarms
- Variable speed blower control and Lab event timer
- One-touch feature control
- Switches and indicators: Individual switches and indicator lamps for blower motor, florescent lamp and UV lamp.
- Low noise level
- Should be suitable for Media plate pouring, Non-hazardous cell culture and Sterile compounding

7. System Configuration Accessories, spares and consumables.

- System as specified
- Spare HEPA Filters and PRE Filters- 2 SETS EACH , 2 Germicidal UV lamp
- Other fitting required for attaching auxiliary services are 1. Electrical outlet socket (5 ampere rating) qty: (2 nos). 2. Valves for gas service-one each for gas and vacuum.

8. Standards : Should be CE or FDA or BIS approved product

9. Electrical connection : 230V, AC, 15 Amp

10. Separate lighted power ON/OFF indicator switches for blower and lighting.

11. Optional accessories:

Height-adjustable lab chair, Ergonomic foot rest

Technical Specifications for Laminar Air flow chamber no. 2

1. Operational Requirements

The basic equipment shall consist of a HEPA filter, pre filter, suitable blower assembly, necessary lighting, indicators and controls for the cabinet.

2. Dimensions: 96”(w) x30”(D) x37”(H)

3. With Airborne particulate controller and UV microprocessor controller

4. Should qualify ISO 5 vertical laminar flow air standards

5. HEPA filtration with all polypropylene construction

6. Built-in fluorescent lighting with all-white surfaces

7. Custom sturdy cart or stand, Cup sink and vacuum fittings

8. Desirable: Polypropylene base cabinet and Ultraviolet light source with full sash

9. Required Applications:

- Should be suitable for Media plate pouring, non-hazardous cell culture, sterile compounding and DNA/RNA extraction

10 Warranty : 1 year