

Laminar Air Flow Room



A Laminar Air Flow (LAF) Room is a controlled environment designed to maintain a sterile and contamination-free workspace by ensuring a continuous, unidirectional flow of filtered air. It uses HEPA (High-Efficiency Particulate Air) or ULPA (Ultra-Low Penetration Air) filters to remove airborne particles and microorganisms.

Key Features:

- **Unidirectional Airflow:** Air moves in a single direction (either vertical or horizontal) to prevent contamination.
- **High Cleanliness Levels:** Used in cleanrooms, pharmaceutical industries, laboratories, and operating theaters.
- **Controlled Environment:** Temperature, humidity, and pressure are regulated to maintain sterility.
- **Applications:** Ideal for medical, pharmaceutical, semiconductor, and biotechnology industries.