



Biotek Airflow Systems



Biotek Air Flow Systems
www.biotekairflowsystems.com

Profile

We, at **Biotek Air Flow Systems** strive towards excellence in quality of each product that we manufacture. Our utmost aim is to meet the highest level of customer satisfaction by offering quality products, timely delivery and effective after-sales service.

Incorporated as a small-scale industry in the year 2013, we continually progressed in tune with time and changing environment in our endeavor to meet the international standards in our products and services.

While we share the pleasure with you on the 2nd year of our service to science, we reaffirm that we will continue to develop new range of product and service and latest technologies in manufacturing to offer cost-effective solutions.

With the state-of-the-art in-house testing facility, each and every product manufactured by us are tested for its efficiency and performance.

Laminar Airflow Benches



Available in SS 304, SS 316, GI sheet PU Coated, Ply - Lam Constructions.

Horizontal / Vertical Laminar Airflow Benches allows operations in a sterile and particle free conditions. Due to continuous flushing of the working area by unidirectional and HEPA Filtered airflow, the equipment assures a full product protection.

Special Features :

International standard HEPA filters, high efficient & washable primary filters, Digital mono meters / Magnehelic / Minihelic gauges for accurate DP reading, spring suspended DIDW blower assembly for high performance at low sound level, SS working surface with curved front for convenient working.



Cleanliness Level	: CLASS 100
Particle Retention	: 0.3 μ & above
Air Velocity	: 90 FPM \pm 20
Noise Level	: 65 decibels \pm 5



Working Size	2x2x2	3x2x2	4x2x2	6x2x2
Horizontal	HH 0600	HH 0900	HH 1200	HH 1800
Vertical	HV 0600	HV 0900	HV 1200	HV 1800

Custom Sizes are also available

Bio-Safety Cabinets



Biotek vertical laminar flow class II type B2 biohazard safety cabinets provide personnel and environmental protection. This series of cabinets are referred to as “total exhaust” cabinets because the 100% contaminated air is exhausted to the atmosphere after HEPA filtrations without re-circulating in the cabinet.

Cleanliness Level	CLASS 5 as per ISO 14644-1
Particle Retention	0.3µ & above

Class I	Class II - Type A2
Class II - B2	Class III

Other Models also available.



Powder Sampling/Dispensing Booths

Powder Dispensing booths are used to control the hazardous emissions of powders, dust or vapors during Powder Dispensing, product sampling, or bag dispensing etc., without risk to the operator or environment. The downdraught prevents airborne dusts caused by weighing and dispensing operations rising into the operator’s breathing zone.

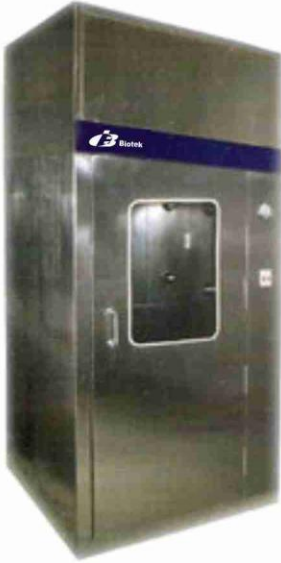
The air forced downwards is extracted at low level into the booths filtration system where dust particles contained at each level of filtration prior to being re-circulated back into the booths air stream.

Available in SS 304, SS 316, PU Coated GI

Air balancing	: 90% Re circulation and 10% exhaust
Cleanliness	: Class 5 of ISO 14644-1
Particle Retention	: 0.3µ and above
Noise level	: 65 decibel on “A” scale±5
velocity	: 90 feet/Minute ±20
Differential Pressure	: By Magnehelic Gauge 0-25 mm
illumination	: By Florescent Tubes with Diffusers
Power supply	: 230V single phase, 50 Hz



Air Showers



Air showers are installed to avoid contamination through personnel entry in to a cleanroom. Air showers employ concentrated airflows to lift off contamination such as LINT, DIRT, DUST ETC., While an individual walks through chamber. The high velocity air from jet nozzels ensures efficient scrubbing action necessary to remove particulate matter. Contaminated air then flows through sidewalls of the air shower and flows through prefilters and final HEPA filters.

Pass Through Boxes



Biotek pass through box is designed to minimize traffic and contamination entry into the clean room. Enable movement of materials to and from cleanroom. Acts as an air lock device to prevent cross contamination between to adjacent environments.

Available in Static & Dynamic versions to suit requirement.



Sterile Garment Cabinets

The garment storage cabinets are used inside the controlled environments. These cabinets provide CLASS 100 clean storage space with UV disinfectant and warming by IR lamps. Air balancing : 90% re circulating and 10% exhaust.

Pressure Modules

Biotek Pressure Modules available in SS 304, GI PU Coated provides HEPA filtered airflow to create positive pressure within smaller enclosures. Ambient air is filtered up to 5 micron level through primary filters and the HEPA filter removes particles of 0.3 micron and larger.

Available in 500 & 1000 CFM capacities in window mounted / Ceiling Mounted self standing models.



Ceiling suspended laminar airflow

Biotek ceiling suspended laminar air flow (CSLAF) are used for operation theatre applications, pharms filling & packing line etc. CSLAF provides ultra clean sterile HEPA filtered class 100 air a isolated area where the highly sensitive process activities are carried-out.

CSLAF available in complete stainless steel construction or GI construction with PU coated finish.

Equipped with minipleat HEPA filter with dynamically balanced ultra-low noise blowers for optimum airflow.



Fume Exhaust Hoods

Available C.R.C.A. sheet construction with epoxy coated finish, GI construction with PU coated finish and Wood melamine construction.

Biotek Air Flow Systems Fume Exhaust hoods used to drive-out hazardous chemical fumes, odors and gases generated during the laboratory



Special Futures :

- Work Surface made of polished granite or glazed ceramic tiles.
- Single vertical sliding concealed type glass door balanced by counter weights with SS Rope
- Available with wide range of accessories such as sink, water inlet & gas/air/vacuum pet cocks, power points optional FLP fittings under bench cup-board etc.



Lab Furnitures

Customized Hitech Laboratory furnitures made exclusively to suit the plinth of your Lab floor. Wide range of modular configuration to suit the flexibility that your labs demand.

Made of heavy duty C.R.C.A Sheet, galvanized iron sheet with epoxy powder coated finish, with finely polished granite top mounted on anti vibration pads.

features include adjustable floor leveling screws, anti-vibration pads between granite top and the main frame, water, SS Sinks with goose neck water inlets & outlets, power sockets and optional lightings, Stainless steel/brass hinges, handles/knobs and Locks.

Variety of storage option includes, top mount shelves, wall mountable cabinets, wall tables with under-bench shelves & drawers, movable cabinets etc.



Anti Vibration Table



We Manufacture & Supply

- ❖ Island tables with reagent racks.
- ❖ Wall tables
- ❖ Instruments tables
- ❖ Wall mounts cabinets
- ❖ Anti Vibration tables

Accessories



- | | |
|---------------------------|----------------------------|
| ❖ Mini pleat HEPA filters | ❖ Manometers |
| ❖ Deep pleat HEPA filters | ❖ Motors & Blowers |
| ❖ Primary Filters | ❖ UV & IR Lamps |
| ❖ Magnehelic gauges | ❖ Acrylic / PC front doors |
| ❖ Minihelic gauges | |



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We Manufacture & Supply of all
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