



CLEAN ROOM & HVAC SOLUTION
(Design / Manufacturing / Service)



BIO SAFETY CABINET

At “Breath Air System LLP”, our Biosafety Cabinets (BSCs) offer top-tier protection for laboratory environments. Utilizing advanced air decontamination and negative pressure technology, our cabinets ensure safety for users, samples, and the surrounding environment. With a focus on personnel, product, and environmental protection, our BSCs maintain sterility and prevent cross-contamination. The downward laminar flow of HEPA-filtered air provides unparalleled product protection, minimizing the risk of contamination. By drawing airflow away from the operator and through HEPA filters, our cabinets guarantee a contaminant-free workspace. We prioritize cutting-edge solutions to meet the evolving needs of laboratory safety and contamination control. Trust “Breath Air System LLP” for state-of-the-art biosafety solutions, securing a controlled environment for sensitive research and experimentation.

BSCs Made in three different class types such as Class I, Class II & Class III

Class II A1 – Minimum inflow velocity of 75 fpm, 70% of air is recirculated; 30% is ducted. The contaminated plenum is surrounded by the lab environment.

Class II A2 – Minimum inflow velocity of 100 fpm, with a negative plenum surrounding the contaminated plenum. 70% of air is recirculated; 30% is ducted.

Class II B1 – Recirculated but Exhaust air have dedicated hard-ducted exhaust lines, with 70% air exhaust & 30% of Recirculation.

Class II B2 – Does not Recirculation but Exhaust air have dedicated hard-ducted exhaust lines, with 100% air exhaust.



Key Features

- Motorized operation for Front Sash to Open & Close with Limit Switch controls
- EC Blower for Supply of Air through HEPA Filter.
- Removable Work Top for Cleaning Purpose.
- Minimum Noise & Vibration

Design	Standard & Customized
MOC	SS 304 / 316 or Powder Coated GI
HEPA Filters	Standard HEPA Filter 0.3 Micron for Supply & Exhaust
Pre Filters	Pre Filter for Return Air with 10 Micron Air
Air Velocity	90±20 FPM below HEPA Filter
Standard Fitting	Feather touch Panels for Controlling of BSC, FL / UV Light - Automatic / Manual, Alarm Triggers in case front door is raised more than 8”, UV Light with Hour meter -DOP Port, On / Off Switch for Blower / FL / UV, 5/15 amp switch socket etc..
Optional Arrangements	Filter Chocked alarm (Audible & Visible), Velocity display with alarm (Audible & Visible), PLC based Control System, Digital Pressure Gauge In-built



OUR CLIENTS



Contact us

+91 9265541531
+91 9636312654
+91 9106393706
+91 7203909055

Work Address

B1-KARNAVATI ESTATE 2,
BESIDE NEW MADHUPURA MARKET,
ODE, DASKROI, AHMEDABAD,
GUJARAT-382427

Email

breathair18@gmail.com
sales@breathair.in

