

AIRVOLUTION



CLASS II B2 BIOSAFETY CABINET

When handling microorganisms and hazardous chemical vapors, it is crucial to safeguard operators, products, and the environment from biological and chemical contaminants.

Advanced performance features

- ECDC Fan (400W, 220V) ensures full exhaust with no air recirculation.
- Counterbalanced sealing sliding glass sash.
- AISI Grade 304 Stainless Steel work area.
- Alarm System for airflow deviations.



IN COMPLIANCE WITH SANS 1050-2
(EQUAL OR HIGHER THAN NSF-ANSI49 OR EN12469)

Specifications

- HEPA Filters H14 99.995% MPPS tested for biological and chemical contaminants.
- Double gasket sealed on both sides to maintain negative pressure.
- 1000 LUX LED Light Source.
- Exterior made from 1.2 mm cold rolled mild steel.
- ECDC Fan (400W, 220V) ensures full exhaust with no recirculation.
- Enlarged prefilter area.
- Narrow body for easy installation.
- 1.4m reduced height for convenient placement.



Cabinet manufactured from Grade 304 Stainless Steel

Technology

- HEPA filters enhanced with double gaskets for improved efficiency and safety.
- Increased burst pressure HEPA filters paired with ECDC fans for prolonged performance.
- Exhaust air is completely expelled through a thimble connection, preventing hazardous fume accumulation.
- Optional ULPA filter available upon request.
- Built-in switches available upon request.

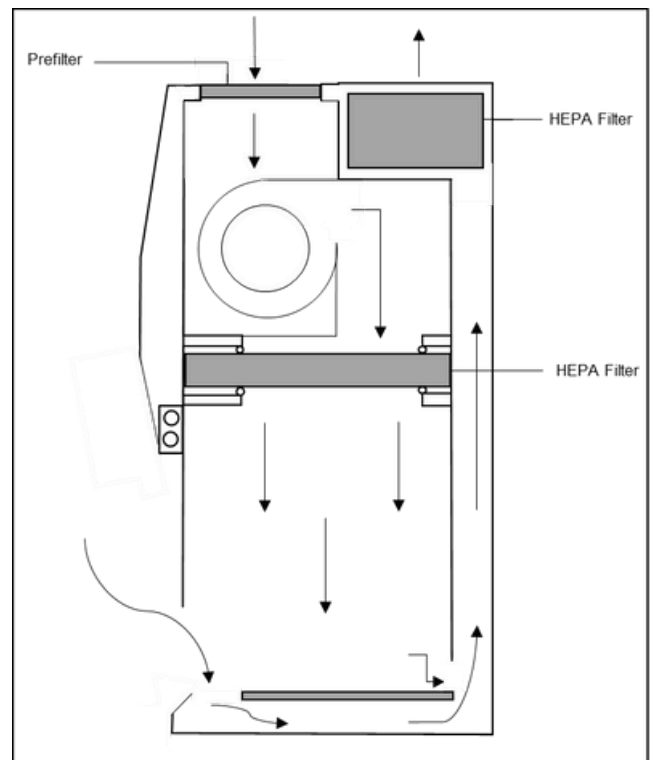
Safety Features

- Alarm will activate both audio and visual warnings.
- Alarm triggers if the airflow drops below safe levels or pressure exceeds capacity.
- 100% exhaust system eliminates air recirculation, ensuring no contamination buildup.
- Requires external exhaust ducting for complete air removal.

Accessories

- Tubular stand with leveling feet or castors.
- Gas Tap & Solenoid valve.
- Vacuum Tap.
- Thimble connection with booster fan for improved exhaust efficiency.

Airflow Diagram



Enhance your laboratory's safety with a high-performance Class II B2 biosafety cabinet, designed for full exhaust and compliance with industry standards, providing complete protection against biological and chemical hazards.