Vertical Laminar Air Flow Cabinet

Code: W-1911 GST: 18% Brand: AVAIN LABS









AVAIN LABS® Vertical Laminar Air Flow Cabinet

The AVAIN LABS® Vertical Laminar Air Flow Cabinet is engineered to provide a particle-free, contamination-controlled work environment by delivering Class 100 clean air conditions. Designed for laboratories and cleanroom environments where sterility is essential, this cabinet produces vertical laminar airflow from the top downward towards the worktable, ensuring continuous protection for sensitive samples and laboratory procedures.

The cabinet is manufactured using a robust Mild Steel Epoxy Powder Coated body or Sunmica-finished thick board construction (model dependent), offering exceptional durability and corrosion resistance. The stainless steel work surface provides a hygienic, easy-to-clean workspace suitable for pharmaceutical, microbiological, biotechnology, tissue culture, electronics, and research applications.

Transparent Plexiglass side panels and front door provide excellent visibility while maintaining a protected work environment. The unit incorporates a high-efficiency Pre-Filter and HEPA Filter, ensuring superior air purification by removing airborne particles and contaminants.

The blower and motor assembly are statically and dynamically balanced using precision balancing technology, delivering smooth airflow with minimal vibration and low noise levels. Safety is enhanced through the interlocking system between the UV Germicidal Lamp and Fluorescent Lamp, preventing accidental simultaneous operation. The spacious work area is illuminated by a bright fluorescent light, while an integrated gas cock adds convenience for laboratory procedures.

Designed for reliable continuous operation, the cabinet works on a standard 220–230V AC power supply, making it suitable for laboratories, hospitals, research institutions, pharmaceutical companies, and quality control facilities.

Key Features

- Provides Class 100 particle-free clean air
- Vertical laminar airflow from top to worktable
- Heavy-duty Mild Steel Epoxy Powder Coated cabinet
- Thick board construction with Sunmica finish (model dependent)
- Stainless steel worktable for hygienic operation
- Transparent Plexiglass side panels and front door
- High-efficiency Pre-Filter and HEPA Filter
- Uniform vertical airflow for contamination-free working conditions
- Dynamically and statically balanced blower and motor assembly
- Heavy-duty motor with low noise and vibration
- UV Germicidal Lamp and Fluorescent Lamp safety interlocking
- Bright fluorescent lighting for improved visibility
- Built-in gas cock for laboratory applications
- Easy maintenance and user-friendly operation
- Operates on 220–230V AC, 50 Hz

Applications

- Microbiology Laboratories
- Pharmaceutical Manufacturing
- Biotechnology Laboratories
- Tissue Culture Laboratories
- Hospitals & Diagnostic Centers
- Research & Development Laboratories
- Electronics Assembly & Testing
- Food & Beverage Quality Control
- Chemical Laboratories

Available models (3)

Cat. No.	Model / Size	Size	HSN
W-1911-S1	Small	Small	
W-1911	Standard		
W-1911-S2	Large	Large	

Scan for details & enquiry