



# LAMINAR AIR FLOW



Quality, Management, Environment, Health & Safety Standards



CDSCO Certified



USFDA Listed



European CE



ISO 13485:  
NABCB/IAF



ISO 9001: IAF



7 Electric Safety  
Certifications

## INTRODUCTION

MarkEn Laminar Air Flow cabinets provide a sterile, contamination-free workspace with constant filtered airflow, ensuring safe and precise operations. Designed for durability, reliability, and user comfort, they're ideal for applications like electronics assembly, plant tissue culture, and media preparation.

## KEY FEATURES

### ENERGY EFFICIENCY



Equipped with a DC ECM blower, offering up to 70% energy savings.



Low power consumption of only 155 watts.

### ENHANCED AIR FILTRATION



Features a cost-effective ULPA filter (ISO Class 3 work zone) with >99.999% efficiency for particle sizes of 0.1–0.3  $\mu\text{m}$ , offering filtration 10x better than standard HEPA filters.

### QUIET OPERATION



Noise emission as low as 52 dBA for a comfortable working environment.

### FLEXIBLE DESIGN



Available with fixed and sliding sash options for vertical models.



Horizontal and vertical laminar flow configurations to suit various applications.

### ADVANCED CONTROL SYSTEM



Equipped with an intuitive and ergonomic Sentinel™ Gold Microprocessor Controller for stable and self-compensating airflow.

### DURABLE CONSTRUCTION



Engineered for a minimum of 10 years of life with guaranteed spare parts availability.

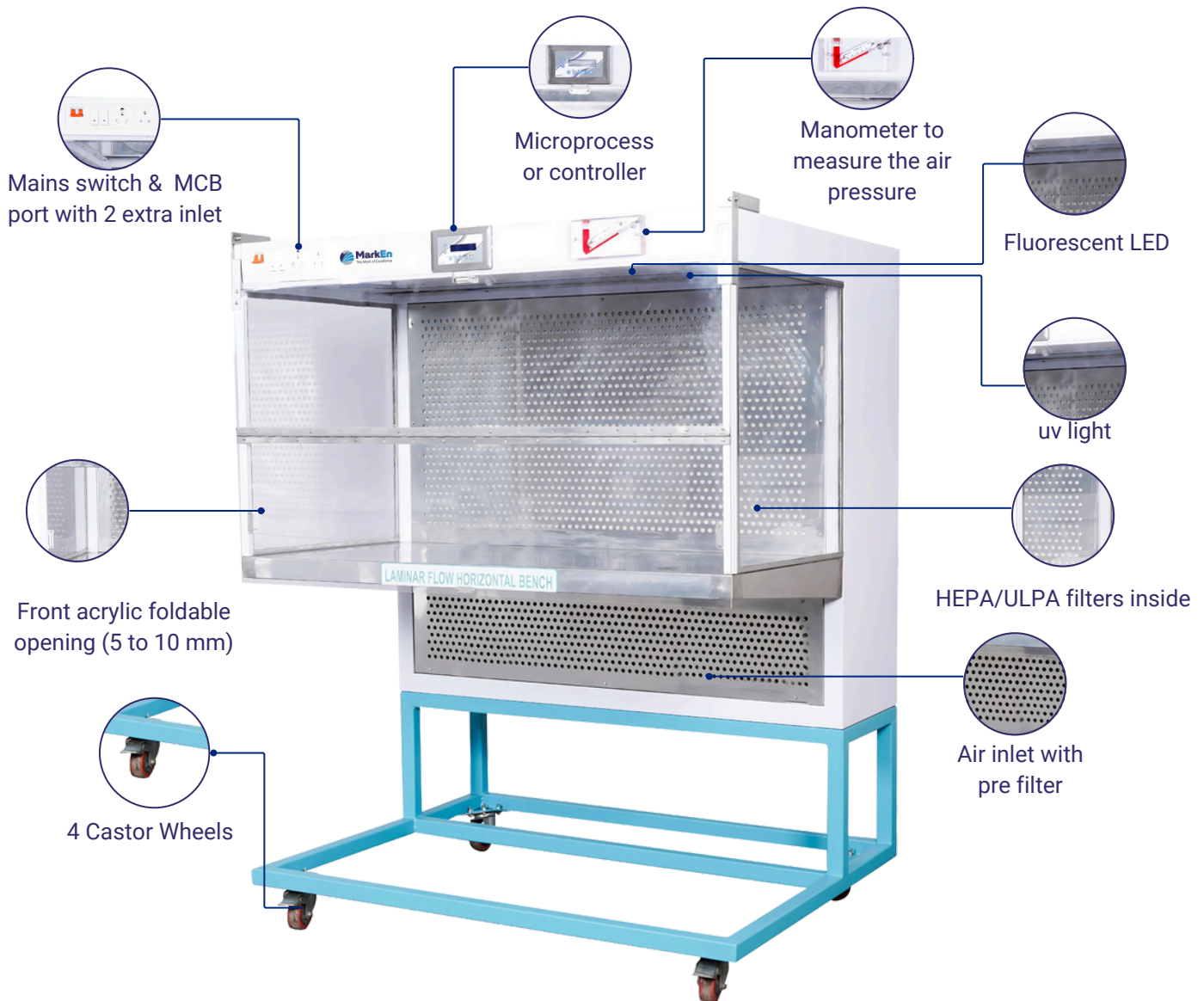
## USER CONVENIENCE



Separate lighted power ON/OFF controls.



Ergonomically designed for ultimate user comfort and efficiency.



## HORIZONTAL LAMINAR FLOW CABINET

The Horizontal Laminar Flow Cabinet ensures a sterile work zone by delivering purified air in a horizontal, unidirectional stream that exits through the cabinet's open front.

## APPLICATIONS

- Plant tissue culture
- Electronics inspection
- Media plate preparation
- Medical device assembly

## VERTICAL LAMINAR FLOW CABINET

The Vertical Laminar Flow Cabinet provides sample protection by directing purified air in a vertical, unidirectional stream across the working zone. Perforations at the back wall help eliminate air turbulence and dead-air corners, ensuring consistent airflow across the workspace.

### APPLICATIONS:

- Microbiology (non-pathogenic)
- Forensics
- Sterile product compounding

TYPE
SIZE 2X2X2 FT.
SIZE 3X2X2 FT.
SIZE 4X2X2 FT.
SIZE 5X2X2 FT.
SIZE 5X2.5X2.5 FT.
AS PER CUSTOMER REQUIREMENT

TECHNICAL SPECIFICATION	
Make	MarkEn
Type of air flow direction	Horizontal/Vertical
Thickness of the floor or side panels	5 mm
Type of configuration	Freestanding, benchtop, Mobile
Material used for the work bench	Stainless steel 304 grade, Powder coated MS
Material used for the front door	Acrylic transparent, Stainless steel 304 grade, Glass, Polycarbonate
Material used for the Side Panel	Stainless steel 304 grade, Polycarbonate, PVC
Availability of motorized	Sliding door
Display	LCD display for velocity, time & lamp on/off
Alarm	Digital Pressure Gauge with Alarm
Type of air cleanliness	Class 100
Type of Sash (front door)	Folding
Laminar air flow Velocity (m/s)	0.26 to 0.38
Exhaust HEPA Filter Typical Efficiency	≥99.99% at 0.3 microns
Sound Emission	52 dBA
Illumination	LED
Electrical	230V/50HZ 15 A
Weight (Net)	90 kg



# CERTIFICATIONS

Quality, Management, Environment, Health & Safety Standards



**50 Products  
CDSCO Certified**



**USFDA Listed**



**8 products tested by a  
WHO-accredited laboratory**



**European CE**



**NABCB: ISO 13485**



**ISO 9001: IAF**



**ISO 14001: IAF**



**ISO 45001: IAF**



**7 Electric Safety  
Certifications**



**WHO GMP**



**BIFMA Certified,  
BIFMA Level 3**



**ASTM- Corrosion  
Free Products**



**ISO 2409**

**EN 13523-26,  
ISO 13849-1,  
IP 69, IP 65**

**& many other...**

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### Authorized Distributor Details