



LAMINAR AIR FLOW



Quality, Management, Environment, Health & Safety Standards



CDSO MD 5 License



USFDA Listed



European CE



ISO 9001:2015
IAF



ISO 13485:2016
NABCB/IAF



ISO 45001 : 2018
IAF



7 Electric Safety Certifications
IEC 60335-1 and IEC 60335-2-24, IEC 61010-1,
IEC 61010-2-020 and 61010-2-101, IEC 61326-1,
IEC 61326-2-6.

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 μm , offering filtration 10x better than standard HEPA filters.

QUIET OPERATION



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

FLEXIBLE DESIGN



Horizontal 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.

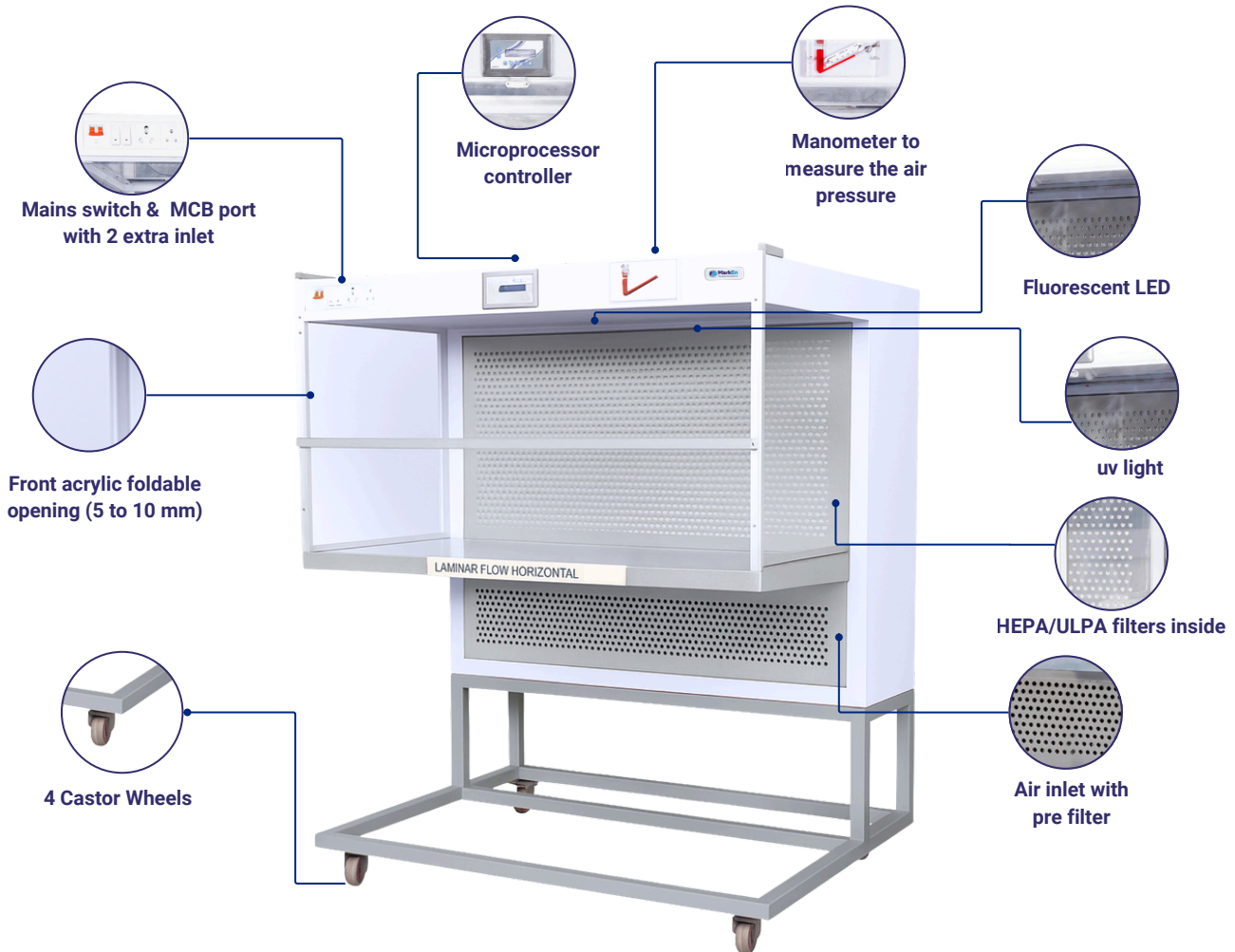
USER CONVENIENCE



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

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
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

ALL-IN-ONE SOLUTION FOR

Cold Chain Solution
Medical Equipment
Blood Bank Equipment

Hospital & Scientific Equipment
Hospital Furniture & Infrastructure
Commercial Refrigeration



25+

Years of Excellence



400+

Product Range



500+

Service center



1000+

Committed Engineers



1,00,000+

Satisfied Users

CERTIFICATION



10 products tested by a WHO-PQS accredited laboratory



ISO 14001: IAF



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...

OUR ESTEEMED CUSTOMERS



& MANY MORE...



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