



BIO SAFETY CABINET



Quality, Management, Environment, Health & Safety Standards



CDSCO Certified



USFDA Listed



European CE



ISO 13485:
NABCB/IAF



ISO 9001: IAF



7 Electric Safety
Certifications

INTRODUCTION

Engineered for sterility and safety, the MarkEn Bio Safety Cabinet ensures a contamination-free workspace, safeguarding samples, personnel, and the environment. Designed for critical applications like microbiology, sterile compounding, and forensics, it delivers unmatched reliability and comfort. Featuring advanced HEPA/ULPA filtration, it upholds stringent industry standards, providing a pristine, controlled environment for precision work.



KEY FEATURES

ENERGY EFFICIENCY



Low power consumption of only 155 watts.



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

COMPACT AND PORTABLE DESIGN



Cost-effective ULPA filter (ISO Class 3 work zone) with >99.999% efficiency for particle sizes of 0.1–0.3 μm .



Superior performance compared to standard HEPA filters.

LOW NOISE EMISSION



Operates at only 52 dBA, ensuring a quiet and comfortable working environment.

ENHANCED SAFETY FEATURES



Intuitive and ergonomic Sentinel™ Gold Microprocessor Controller for airflow stability.



Stable and self-compensating airflow to maintain continuous sample protection.

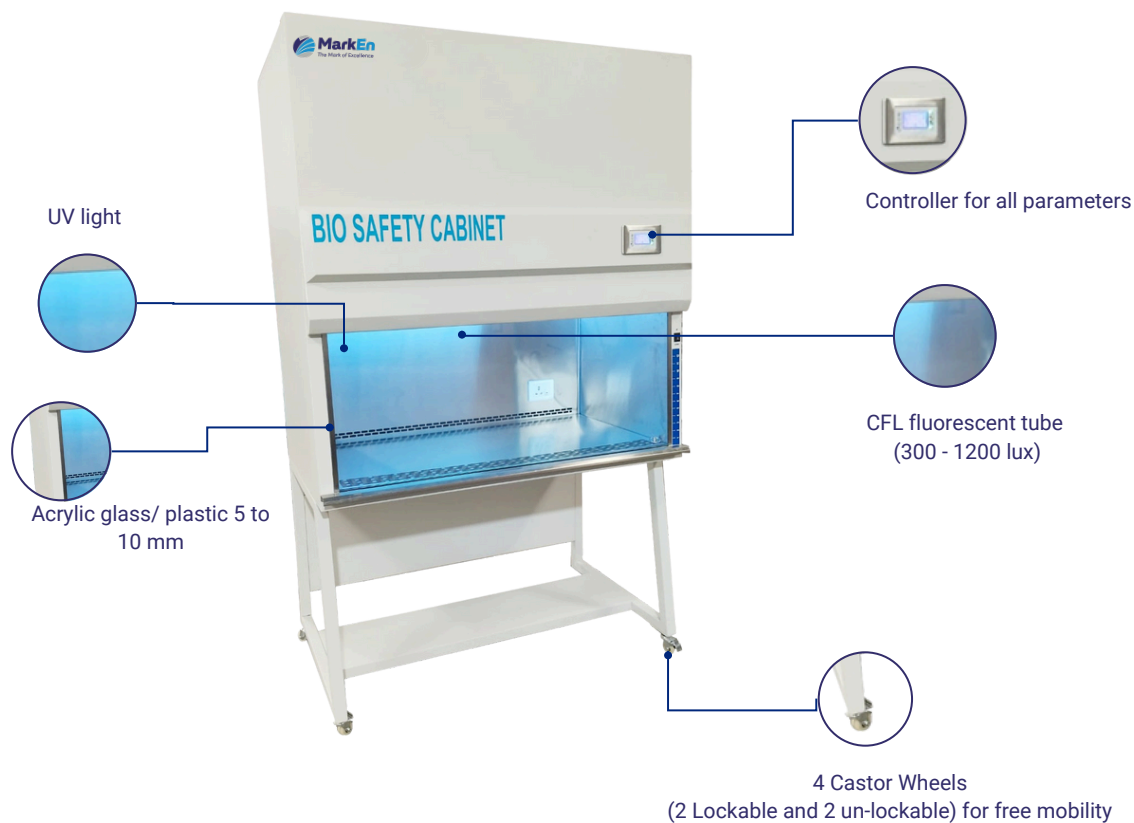
ENHANCED SAFETY FEATURES



Fixed and sliding sash options for vertical configurations.



Vertical airflow eliminates turbulence and prevents dead air zones.



DURABLE CONSTRUCTION



Engineered for a minimum of 10 years of operational life.



Guaranteed availability of spare parts for long-term reliability.

USER CONVENIENCE



Separate lighted power ON/OFF controls.



Designed for ease of use and maximum user comfort.

APPLICATIONS



Microbiology – Ensures safe handling of non-pathogenic samples with maximum protection.

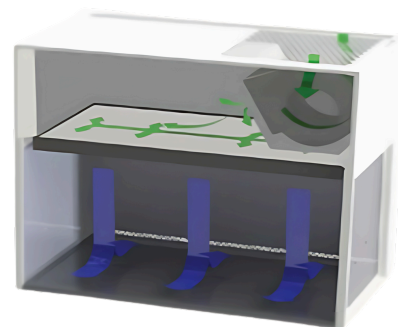


Forensics – Maintains a contamination-free zone for precise evidence analysis.



Sterile Product Compounding – Perfect for pharmaceutical and lab settings requiring absolute sterility.

MarkEn Bio Safety Cabinets set the benchmark for safety, reliability, and user comfort. Designed to meet the highest industry standards, they are the ultimate solution for laboratories and industries demanding uncompromised sterility and contamination control.



TECHNICAL SPECIFICATION

Make	MarkEn
Type of air flow direction	Vertical
Thickness of the floor or side panels	5 mm
Type of configuration	Freestanding,
Material used for the work bench	Stainless steel 304 grade
Material used for the front door	Acrylic transparent
Material used for the Side Panel	Stainless steel 304 grade
Main Body	1.2 mm / 0.05"/ 18 gauge electro-galvanized steel with white oven-baked epoxy powder coated finish
Availability of motorized	Sliding door
Display	LED,LCD display for velocity, time & lamp on/off
Alarm	Digital Pressure Gauge with Alarm
Light intensity	>= 1000 lux and additional UV light
Type of air cleanliness	Class 100
Type of Sash (front door)	Folding
Internal Work Area, (WxDxH) in feet	4x2x2
Laminar air flow Velocity (m/s)	0.26 to 0.38
Exhaust HEPA Filter Typical Efficiency	≥99.99% at 0.3 microns
Average down flow at 5-10 cm above the work access opening	80 FPM (+/- 5)
Sound Emission	52 dBA
Illumination	LED
Electrical	230V/50HZ 15 A
Weight (Net)	90 kg

CAPACITY

Size 2x2x2 ft.
Size 3x2x2 ft.
Size 4x2x2 ft.
Size 5x2x2 ft.
Size 5x2.5x2.5 ft.
As per customer requirement

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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