

Laboratory Refrigerator

MarkEn Make Laboratory Refrigerators designed for safe and uniform storage temperature control that are precisely regulated for medicinal storage and storage for pharmaceuticals, Medicines, Vaccines and other Temperature-Sensitive Applications.

FEATURES:

Temperatures Range of +2°C to +8°C.

User-friendly Design

The ergonomic design of the MarkEn Laboratory Refrigerators has ergonomic design and provides a clear view of stored items through the large glass door with key lock to prevent unauthorized access.

Designed for tropical climates.

Safe & Secure storage

Programmable audible and visual alarms for abnormal temperature with Password Protection to Control Panel to avoid accidental changes.

Compression Cycled type.

Provision of Defrosting (Automatic/Manual).

Illumination lamp inside the chamber.

Thermostat (NTC) to prevent from Freezing the Vaccine.

Designed for minimum 10 years life with assurance of spare parts availability.

Electrical Safety Standards IEC 61010, IEC 60335-1 and IEC 60335-2-24

ACCESSORIES :

Stem Alcohol Thermometer.

Consumables for Installation and Standardization of the System.

Automatic Voltage Stabilizer with Automatic High-Low Voltage cut-off and Time Delay Restart

Make : MarkEn

Model: MLR-02



Quality Assurance:

USFDA, IEC 60529-2004, ISO:45001:2018, ISO 14001:2015, ISO 9001:2015, ISO 13849-1:2015, ISO 13485:2016, BIFMA INTERNATIONAL, WHO-PQS, WHO-GMP, CE (European notified body 4 digit).

Technical Specifications of Laboratory Refrigerator	
▪ Make	MarkEn
▪ Model	MLR-02
▪ Capacity	Gross: 260 Liter
	Net : 210 Liter
▪ Type of Cabinet	Vertical/Upright
▪ Outer Middle Material of Cabinet	Rust free Corrosion resistance CRCA/GI powder coated steel.
▪ Inner Material of Cabinet	ABS/Stainless Steel 304 / Metal
▪ PUFF Insulation- CFC free	Cabinet: 40 mm
	Door : 40 mm
▪ Ground Clearance	4 castor wheels for free mobility.
▪ Door	Single Glass Door with Handel and Key Lock.
▪ Inner Shelves/Basket	04 Nos Roller Mounted
▪ Compressor	Hermetically sealed compressor
▪ Refrigerants	CFC-HCFC-Free non flammable frost free refrigerants.
▪ Condensing	Force Air Circulation with duct system for uniform cooling.
▪ System Tubing	All system tubing-Suction- Freezer-Condensing Tubing of minimum 99.97% of pure Copper.
▪ Dimensions (WxDxH) in mm	Outer: 645x645x1490
	Inner : 545x545x870
▪ Pull down time in with full load	08 Hrs
▪ Holdover time with full load	1.5 Hrs
▪ Operating Temperature Range	+2°C to +8°C adjustable with setting accuracy $\pm 0.1^{\circ}\text{C}$
▪ Environmental Condition	Maximum +10°C to +55°C with Humidity 5% to 95% RH
▪ Control System	Fully programmable microprocessor controlled with membrane keypad and Password Protected.
▪ Display	Digital Temperature Display .
▪ Temperature uniformity	$\pm 1^{\circ}\text{C}$ or Less
▪ Alarms	Audible and visual alarm system for over and under temperature, sudden power failure, and battery low.
▪ Battery Backup	01 Hour Battery Backup for complete Laboratory Refrigerator.
▪ Noise level	≤ 55 db
▪ Power Consumption rate-	Stable Running: 2.040 kWh/24Hrs Cool Down Test:2.30kWh/24Hrs.
▪ Net weight	110 kg
▪ Input or Power supply	220-240 VAC, 50 Hz $\pm 10\%$
▪ Warranty	03 Years