



- **Name of the Equipment:** Microcontroller Based Laboratory Refrigerator
- **Control System:** Microcontroller-based temperature indicator cum controller with digital display and PT-100 sensor
- **Alarm:** Audio Visual Alarm if the temperature deviates from the preset temperature
- **Refrigeration System:** Hermetically Sealed CFC-Free Emerson Compressor with R-134a refrigerant
- **Air Circulation:** Motor and blower arrangement to ensure uniformity of temperature under loaded condition
- **Lighting:** Interior illumination for working area
- **Observation Door:** Inside see-through unbreakable acrylic door
- **Trays:** Specially designed solid stainless-steel wire mesh trays ensure even temperature distribution
- **Insulation:** 3" Thick CFC-free PUF Insulation
- **Other Features:**
 - Castor wheels
 - MCB
 - Adjustable tray height arrangement
 - Heavy-duty latch with lock & key
 - Anti-moisture entry using hot line at cabinet mouth
- **Power:** 230 V AC, Single Phase, 50 Hz
- **Safety Features:**
 - 180 Sec. compressor 'ON' delay timer to safeguard the compressor
 - Additional safety thermostat to cut off air heater in case of temperature overshoot
- **Certifications:** ISO 9001:2015, ISO 13485:2016, and CE
- **Documentations:** We will provide IQ, OQ, PQ documents with Material Test Certificates

Note: Specifications are subject to change, Photos shown above are Indicative, Actual Product can Vary.



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and Calibration Reports

Specifications

- **Temperature Range:** 2°C to 8°C
- **Temperature Accuracy:** $\pm 0.5^{\circ}\text{C}$
- **Uniformity:** $\pm 1.0^{\circ}\text{C}$

Capacity (Liters)	Internal Size (W x D x H) cm	External Size (W x D x H) cm	No. of Doors	No. of Trays
400	63 x 53 x 120	78 x 84 x 188	Single	4

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