



- **Name of the Equipment: PLC Controlled Dual Chamber**
- **Control System:** Programmable Logic Control with Safety controller, auto changeover of standby systems & other event managements with 4.3" Color HMI with touch screen and Ethernet connectivity
- **Memory:** 200000 Records
- **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 (Chamber 2):** Motor and blower arrangement to ensure uniformity of temperature under loaded condition
- **Lighting (Chamber 2):** Interior illumination for working area
- **Observation Door (Chamber 2):** 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 hot line at cabinet mouth

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



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- **Power:** Works on 230 V AC, Single Phase, 50Hz
- **Safety Features:**
  1. 180 Sec. compressor 'ON' delay timer to safeguard the compressor
  2. Additional safety thermostat to cut off air heater in case of temperature overshoot
- **Certifications:** ISO 9001:2015, ISO 13485:2016, and CE
- **Documentations:** LABTOP will provide IQ, OQ, PQ documents with Material Test Certificates and Calibration Report

### Standard Models & Dimensions

- **Construction:**
  - **Inner Material:** Stainless steel 304, 0.8 mm
  - **Outer Material:** Mild steel, 1.0 mm, powder coated
- **Chambers:**
  - **Chamber 1:**
    - **Inner Dimension (W x D x H):** 650 x 530 x 300 mm
    - **Capacity:** 100 Liters
    - **Temperature Range:** 0°C to -20°C
    - **Temperature Accuracy:** ±1°C
    - **No. of Trays:** 2
  - **Chamber 2:**
    - **Inner Dimension (W x D x H):** 650 x 480 x 650 mm
    - **Capacity:** 200 Liters
    - **Temperature Range:** 2°C to 8°C
    - **Temperature Accuracy:** ±0.5°C
    - **No. of Trays:** 3
- **Outer Dimension (W x D x H):** 800 x 830 x 1900 mm

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