

COLD ROOM CHAMBER



Krew Instrument's Cold Room Chamber is an advanced solution for laboratories that require precise temperature control in a large storage area. Our Cold Room Chamber maintains a stable temperature range from -10°C to $+10^{\circ}\text{C}$, providing ample space for storing valuable specimens, reagents, and other temperature-sensitive materials. With a user-friendly interface and advanced temperature control, our Cold Room Chamber provides a reliable and efficient storage solution for laboratories of all sizes. Our Cold Room Chamber features adjustable shelves, LED lighting, and a variety of customizable options to meet your specific needs.

KEY FEATURES

- Microprocessor based PID controller with high accuracy off 1°C . (Temperature controller)
- Three wire RTD sensor.
- Safety Controller system for Temperature overshoot & undershoot with buzzer & LED in case the temperature controller fails.
- Additional Safety thermostat provided to prevent the temperature overshoot in case the safety controller fails.
- CFC Free Eco- Friendly cooling systems.
- Calibration & validation for 8 hours, Complete IQ, OQ and PQ documentation & operating manual.

CONSTRUCTION FEATURES

- Thick Puff insulated cabinet to maintain a constant temperature (Double walled insulation CFC Free)
- Distributed unique air flow system for maximum uniformity of temperature throughout the chamber.
- Inside see through unbreakable acrylic door
- Standard Model: GI Pre painted Sheets Inner & Outer sides with Cam lock system and the sheet thickness will be 0.5mm.
- Semi Model : Inner SS 304 & Outer GI Pre painted Sheets with Cam lock system and the sheet thickness will be Inner 0.6mm and Outer 0.5 mm.
- GMP Model: Inner stainless steel (304) and outer Stainless steel (304) with Cam lock system and the sheet thickness will be 0.6mm.
- Panels : PUF Panels with 60 mm / 80 mm Thickness PUF.

TEMPERATURE CONTROL

- Refrigeration System : CFC Free
- Compressor: Hermetically Sealed Compressor with R 134a refrigerant.
- Validation Port 50 mm validation Port with silicone rubber seal to insert sensors for validation.
- Power Supply: 230V AC single phase 50Hz.
- Adjustable SS 304 Tray Height arrangement.
- Castor wheels, MCB and Heavy duty latch with lock & key.

TEMPERATURE SPECIFICATION

- Temperature range - 2 °C to 8°C / 10°C to 22°C / 15°C to 18°C / -10°C to +10°C.
- Temperature accuracy - $\pm 0.5^{\circ}\text{C}$
- Uniformity - $\pm 1.0^{\circ}\text{C}$.
- RH Range: 60-80.

OPTIONAL ACCESSORIES

- Scanner (Data logger) with 4 or 8 sensors for continuous scanning of temperature uniformity.
- Printer/PC interface for online / offline print of data on 80 col.
- Dot matrix printer or on PC with data storage capacity of 2500 readings & print interval settable from 1-255 minutes., Storage also can be Provided up to 10000 readings
- Standby Cooling System.
- Mobile alert through GSM.
- Door Access Security System.
- PLC for auto change over cooling system 7" Color touch Screen HMI.
- Data Management 21 CFR Part 11 compliance Software.
- Power off Power resumed remark in software.
- Voltage Stabilizer will be provided as per capacity (at Extra Cost).



Here to enrich



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