

REMI Walk in chambers are designed for simulating, monitoring & control of environmental conditions like temperature & humidity. They are available in standard sizes & can also be tailor made to suit specific requirements. Forced air circulation with the help of fan blower maintains uniform conditions. Use of intelligent control systems & dedicated **REMI 'Datasoft Pro'** software complying to 21 CFR Part 11 requirements greatly enhances the performance. These chambers can be provided with standby refrigeration & humidity systems (optional) for uninterrupted functioning.



Display options for Walk-in Chambers

LCD Display



Features

- 4 Inch attractive LCD display • Intelligent Controller helps maintain in case of sensor failure • Battery Backup for Temperature Controller • Auto tuning of controller • Self-Diagnosis for errors • Histogram format of 24 hours temperature recording • Settable High / low alarm points • Memory of upto 1000 records • Audio Visual Alarm • Remote Alarm Output

Remi 'Datasoft' Data acquisition software with password protection, secured audit trail, alarm status in tabular and graphical format included

Touch Screen Display



Features

- 7 inch colour touch screen with PLC (Programmable logic controller) • Memory of upto 1500 records • Audio Visual Alarm • Ethernet port • Battery backup in case of power failure for display, alarms & off line data log in • Logic based functioning of standby systems of Refrigeration / Humidity • Remote Alarm Output

Remi 'Datasoft' Data acquisition software with password protection, secured audit trail, alarm status in tabular and graphical format included

Specifications subject to change without notice

Salient Features :

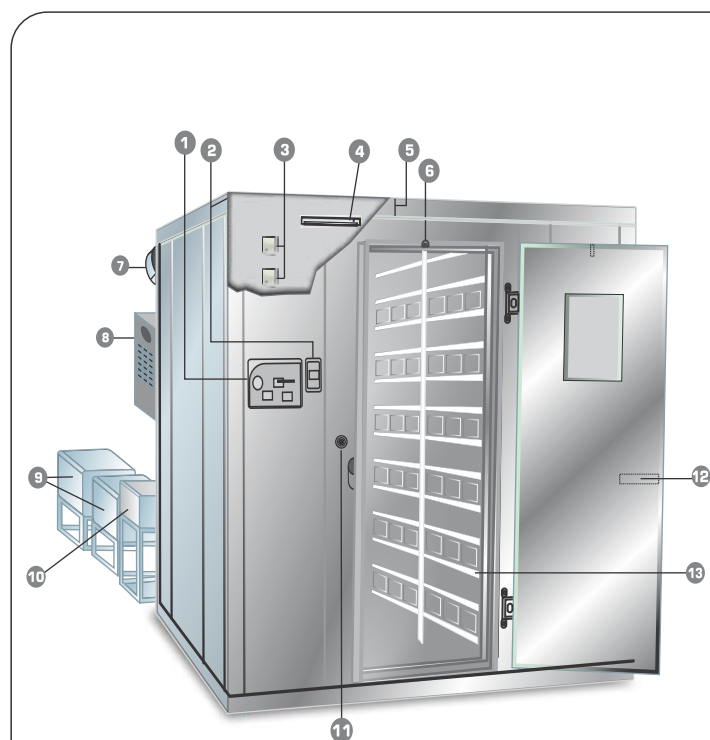
- Designed as per ICH guidelines to meet, WHO and USFDA requirement
- Fulfills storage conditions of 25°C-60% RH, 40°C-75% RH, 30°C-65% RH 25°C-40% RH
- Temperature Range: 20°C to 60°C, Uniformity: $\pm 1^\circ\text{C}$ (STABILITY CHAMBERS)
- Humidity range: 40% RH to 95% RH, Uniformity: $\pm 3\% \text{RH}$ (STABILITY CHAMBERS)
- Temperature Range: 2°C to 8°C, Uniformity: $\pm 1^\circ\text{C}$ (COLD ROOMS)
- Microprocessor based auto tuning PID controller for precise control of temperature and humidity
- Heating by long lasting SS tubular heaters
- Auto change over to standby systems through PLC (Optional)
- Auto switch over to standby sensor in case of Controlling Sensor failure through PLC (Optional)
- Capacitance type Humidity sensor for direct display of RH and temperature (STABILITY CHAMBERS)
- Audio visual alarm for temperature, humidity variations and utility failures
- Output for remote alarm in lab and at security gate
- Safety includes shut off of humidity and air heaters in case of temperature overshoots

or undershoots beyond specified limits with alarms

- Facility to open the door from inside with emergency bell switch inside the chamber
- SS Boiler Tank with low water level alarm and power cut off to save boiler heater

Optional

- Touch screen display (TFT) with additional features
- Validation protocol with IQ, OQ, PQ Documentation
- Data logger for 8 Point (4+4) temperature / humidity recording with sensor, printer interface and software
- Biometrics Magnetic Door Access for Secured Door opening with software to maintain log
- Validation (mapping) consist of one cycle for temperature/humidity at any one set point for 24 hours on empty and loaded condition
- Standby Refrigeration System/Humidity System
- **REMI Datasoft Pro** software complying to 21 CFR part 11 as per USFDA Guidelines



- 1) Intelligent PLC/PID control system helps maintain highly accurate set parameters
- 2) Biometrics system for secured door access
- 3) Dual Capacitance type Humidity Sensors failure of one sensor automatically transfers regulation to other sensor
- 4) Chamber illumination by fluorescent tubes
- 5) Double walled modular panels with PUF Insulation for maximum thermal protection
- 6) Spring Door Latch for door closure
- 7) Blower Motor for forced air circulation
- 8) Control panel with Data-logger, PC connectivity and electrical components
- 9) CFC Free Refrigeration system with split type condensing unit, Standby refrigeration (Optional)
- 10) Standby humidity (Optional)
- 11) Emergency bell switch to open the door from inside
- 12) Highly ergonomic handle with unique multi lever key lock
- 13) SS Racks and Trays

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REMI 'DATASOFT Pro'

Features

- 1. Web-Based Software Accessibility** Web-based software accessible through browser helps instantly connect REMI chambers from anywhere only to authorized users.
- 2. Multi-Device Connectivity** Multiple REMI chambers up to 30 devices connected to single software.
- 3. Network Connectivity** Ethernet based having LAN connectivity helps authorized person to login into software from any PC connected to server.
- 4. Multi-User Collaboration** Multiple hierarchy levels to view, analyze, e-Review, e-Approval, e-Comment on data with role-based access control
- 5. Alert & Notification System** Mobile and email alert of alarms, events to pre-scheduled persons with SMS, real-time app-based notifications, and DND policies
- 6. Digital Acknowledgment** Alarm acknowledgement with e-signatures and comprehensive audit trail compliance
- 7. Regulatory Compliance** Secured audit trail report and calculation of MKT for any days with 21 CFR Part 11 compliance features
- 8. Backup System** Automatic and manual both type of daily data backup with scheduled intervals, compressed files, and complete restoration capabilities
- 9. Data Management** Additional features of data archival & data restore with retention policies and database integrity checking
- 10. Access Control Integration** Biometric Device Integration with door access data integrated into REMI Web Based software including fingerprint authentication and access logging
- 11. Advanced Reporting & Analytics** PDF report generation, scheduled reporting, and real-time data visualization
- 12. VReal-Time Monitoring** Live data updates, interactive dashboards, and real-time alarm monitoring with instant notifications
- 13. Communication Protocols** Support for Modbus RTU/TCP, serial communication (RS232/RS485), TCP/IP Ethernet

Technical Data					
WALK-IN STABILITY CHAMBERS	WSC-50	WSC-80	WSC-100	WSC-120	WSC-150
WALK-IN COLD ROOM	WCR-50	WCR-80	WCR-100	WCR-120	WCR-150
Internal Volume (Liters)	5000	8000	10000	12500	15000
Number of Shelves	16	24	32	48	48
Internal Dimensions W x D x H (mm)	1250 x 2000 x 2000	2000 x 2000 x 2000	2000 x 2000 x 2500	2000 x 2500 x 2400	2000 x 2500 x 2400
External Dimensions W x D x H (mm)	1410 x 2360 x 2160	2160 x 2360 x 2160	2160 x 2360 x 2660	2160 x 2860 x 2560	2660 x 2860 x 2560
Internal Body Material	Stainless Steel 304 grade (Standard Models), Stainless Steel 316 grade (GMP Models)				
External Body Material	Powder Coated CRCA Steel (Standard Models), Stainless Steel 304 grade (GMP Models)				
Insulation	80 mm minimum, CFC free polyurethane foam				
Illumination	Fluorescent Tubes				
Control & Display	Microprocessor based PID control system with large 4" LCD Display				
Power Failure Alarm	Audio Visual Alarm				
Door Open Alarm	Audio Alarm in case door open for over one minute				

	Walk-In Stability Chambers	Walk-In Cold Rooms
Sensor	Capacitance type direct reading	PT-100
Temperature range & Accuracy	20°C to 60°C, ± 1°C	2°C to 8°C, ± 1°C
Humidity Range (RH) & Accuracy	40% to 95%, ± 3% RH	xx
Audio Visual Variation Alarm	Set Humidity ± 3% RH, Set Temperature ± 2°C	Set Temperature ± 2°C

Supply:- 220-240V,50Hz, single phase

Note: Walk-in Stability Chambers & Walk-in Cold Rooms also offered in sizes as per your requirement. Please contact us with details for the same.

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