



Manufacturer of Walk in Stability Chamber (Humidity Chamber) & Walk in Incubator



Features Of The Walk in Stability Chamber :

CONSTRUCTION

- Pre- Fabricated Modular Panel Type Construction With PUF Insulation to be Assembled On Site With Floor Panels Having Extra reinforcement To Sustain The Movement And Sample Load Inside The chamber.
- The Inner Working Chamber is Water & Vapour Tight High- grade Stainless Steel.
- Heavy Duty Insulated Floor Panel With Anti skid Carpet For Secured Movement.
- Chamber Are Provided With Effective Air circulation System, Heating & Cooling System And humidity generator System.

DOOR

- Multi Pane Vacuum Sealed Observation Glass Window to view the Samples without Disturbing The test Condition & Human safety.
- Electronics & Mechanical Lock Provision is Provided For Door Access (Mechanical Lock: - For Safety reasons The door can Be Opened Form Inside Even If Locked From Outside.

RACKS (SAMPLE STORES)

- Heavy Duty Solid Stainless Steel Duly Electro Polished Wire Mesh/ Perforated Type Trays Are Provided Which Are Easy to clean, Time & Efforts saving, Also Adjustable for Convenience, Along With Detachable racks With Adjustable Angles.

UTILITY UNIT

- A Utility Unit is provided at the backside to the chamber, which consist of a cooling coil, dry heater and steam generator.
- The Air circulating Fan Motor is Placed On The top the conditioning unit. The Air is sucked in from The Ducting area Passes Over the cooling coil, Dry heater and Steam Generator then comes back into the working area.
- The same Air is Re-circulated again and again to give maximum uniformity of temperature and Humidity inside the chamber.

CONTROL PANEL

- Ergonomically Designed control Panel Wiring With Systematic Sequential ferrule printing For input and output to all Components Like PLC, Contactors, Isolators, MCBs, SSRs. Easy Maintenance made Possible with the aid of Easy to Understand Wiring Diagrams.
- Advanced PLC Program with Built-in Processor based Auto tuning To achieve And maintain Constant Uniformity Of Set Condition.
- HMI Provided With Adequate Local Data Storage And A Colour TFT/LCD Display With Accurate Representation Of operating Condition In Contrasting Colours For easy Readability From A Considerable Distance.





TECHNICAL SPECIFICATIONS

- For conditions as Per ICH Guideline :- 25° C/60 %RH , 40°C/75% RH , 30°C/75% RH, 25°C/40% RH , 40°C/25% RH , 30°C/75% RH.
- Temperature Range : 20°C – 60°C
- Accuracy / Uniformity : ± 0.5°C / ± 2.0 °C
- Humidity Range : 40% RH – 95 % RH
- Accuracy / Uniformity : ± 3% RH / ± 5% RH
- Control : PLC With Auto tuning Facility For Accurate Control Of Temperature And Humidity Conditions.
- Sensor : Rotronic OR Equivalent Make Sensor For Better Accuracy.
- Alarm : Temperature Deviation & RH Devation Alarm, Power Failure Alarm, Continues Open Door Alarm

SAFETY FEATURES

- High Temperature safety cut off
- Low water level boiler cut off
- Emergency Stop
- Person Trapped Precaution

ALARM FEATURES

- Temperature & RH Deviation Alarm
- Continues Open Door Alarm
- Power Failure Alarm

OPTIONAL FEATURES

- **Stand By Cooling System** : -
Completely Ready For Use Refrigeration System In case The Regular Refrigeration System Fails With Auto/Manual Change Over Through HMI.
- **Stand By Humidity System** :-
Completely Ready For Use System In case The Regular System Fails With Auto/ Manual Change Over Through HMI.
- **Door Access Controller**
Finger or Pin Based door access for opening Chamber
- **Scanner** (8 Temp. + 8 RH For Online Monitoring Purpose)
- PC/Printer Interface Unit
- 21 CFR Software



Model No.	Cap.in Liters	Internal Size in MM	Rack Qty.	Tray Qty.
JDJ/WSC-4K	4000	2000Wx1000Dx2000H	2	10
JDJ/WSC-6K	6000	2000Wx1500Dx2000H	4	20
JDJ/WSC-8K	8000	2000Wx2000Dx2000H	4	20
JDJ/WSC-10K	10000	2000Wx2500Dx2000H	6	30
JDJ/WSC-12K	12000	2000Wx3000Dx2000H	6	30
JDJ/WSC-16K	16000	2000Wx4000Dx2000H	8	40
JDJ/WSC-20K	20000	2000Wx4000Dx2500H	8	48

21 CFR Part 11 Compliance Software

- Real time Monitoring Of Temperature And Humidity
- Data base Management System As Per 21 CFR Guidelines
- Auto Backup And Manual backup Settable As Per Requirements.
- Password management System as Per 21 CFR Guidelines
- Minimum Password Length
- Report Management System as per 21 CFR Guidelines
- Electronic Signature
- E- Signature For all Reports and Audit Trail.
- Master Temperature And Humidity
- Scanner Temperature And Humidity
- MKT, MKRH
- Log In And Log out
- Equipment Audit Trail

DOCUMENTATION

- We qualify our instruments & generate Qualification reports as evidence for suitability for the corresponding application.

CALIBRATION

- We calibrate & thereby certify our instruments as per traceable standards. Consequently, we are providing Calibration certificates, Temperature & Relative humidity mapping reports for instruments

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