



MELIX SYSTEMS & SOLUTIONS

A new way TO HORIZON



MELIX SYSTEMS & SOLUTIONS

is a fast growing company for test solution of environmental testing for their products. Optimal performance, Reliability and Serviceability at a very attractive price are main feature of our company. We design and manufacture our chamber by using latest technology with environmental friendly technology. Our company has a team of engineers and technicians have unique opportunity to evaluate and solve the performance, reliability and user interface issue of chamber from every major environmental chamber manufacturer. We have excellent work experience of environmental testing with various national and multinational companies in India

SALT SPRAY / CCT CHAMBER

Technical Specification-

- Standards- ASTM
- Size- 450L (as per requirement).
- Type 3- Inferior and exterior Non rusting FRP.
- Humidity Range- up to 99% RH (or as per standards).
- Other Fabrication Parts- PVC, Teflon, Melton, Silicon, SS, Rubber.
- Usable Sizes- Start from 0.5 3 Meter (or as per customer requirements).
- Visual- Transparent Acrylic Door.
- Temperature- Ambient to 60°C as per standards.
- Operations- Touch Screen programmable controller.
- Other- Saturation Tower.
- Protections- Air parching before door open, Low water, and low pressure Air. OT.



SAND/DUST CHAMBER

Technical Specification-

- Standards- As per costumer Requirement
- Temperature- Ambient to 50°C or as per standard.
- Size- 1000L (as per requirement).
- Type 1- Interior SS304 grade, Exterior SS304 grade.
- Type 2- Interior SS304 grade, Exterior MS powder coated.
- Visual- Full size viewing windows.
- Operation- PID Controller for water temp,
- Programmable cyclic timer.
- Humidity- Only Display.



Rain chamber

Technical Specification-

- Standards- As per costumer Requirement
- Type 1- Interior SS304 grade, Exterior SS304 grade.
- Type 2- Interior SS304 grade, Exterior MS powder coated.
 - Size-1000L (as per requirement).
 - Rotar Table Speed- Adjustable.
 - Water Pressure- 0.1 to 5 Bar adjustable.
 - Water Shower- Position Adjustable.
 - Water Temperature- Controlled at ambient.
 - Operations- PID Controller for water temp,
 - Programmable cyclic timer, separate test Switches,
 - Full viewing window, Water Recycle.
 - Safety Protection- Door Open, Low water, Over load,
 - Phase interchange, HP, LP, Over Temp.



Thermal Shock Chamber

Technical Specification-

- Temperature Range- Cold Zone -70°C to Hot Zone 180°C ±1°C
Ramp Average- 0.1°C to 5°C (as per requirement).
- Humidity Range- 10% to 98% RH ±3% (optional)
Basket Shifting Time- Min. 10 Seconds (1 st Zone to 2 nd Zone)
Basket Sizes- 0.3 3 m to 1 3 m. (as per requirement).
- Type 1- Interior SS304 grade, Exterior SS304 grade.
- Type 2- Interior SS304 grade, Exterior MS powder coated.
- Structure- MS Chanel, Squire pipes, Angles, Flats, Sheets, etc.
- Insulations- Rockwool, Glass wool, Puff, Hilton etc.
- Operations- Microprocessor based PID Controller.
- Optional- PLC with HMI, Data lodging, Data Saving, Computer Interface.
Safety Protection- Door Open, Low water, Over load, Phase interchange, HP, LP
Over Temp.



Integrated Chamber

Technical Specification-

- Temperature Range- -70°C to 180°C ±1°C
- Ramp Average- 0.1°C to 5°C (as per requirement).
Humidity Range- 10% to 98% RH ±3%
Sizes- 0.3 3 m to 1.5 3 m. (as per requirement).
- Type 1- Interior SS304 grade, Exterior SS304 grade.
- Type 2- Interior SS304 grade, Exterior MS powder coated.
- Structure- MS Chanel, Squire pipes, Angles, Flats, Sheets, etc.
- Insulations- Rockwool, Glass wool, Puff, Hilton etc.
- Operations- Microprocessor based PID Controller.
- Optional- PLC with HMI, Data lodging, Data Saving, Computer Interface.
- Safety Protection- Door Open, Low water, Over load, Phase interchange, HP, LP, Over Temp.



industrial ovens

Technical Specification-

- Temperature- Ambient to 300°C (low back from Blower) Optional
Size=1000L (as per requirement).
- Type 1- Interior SS304 grade, Exterior SS304 grade.
- Type 2- Interior SS304 grade, Exterior MS powder coated.
- Structure- MS Chanel, Squire pipes, Angles, Flats, Sheets, etc.
- Insulations- Rockwool, Glass wool, Puff, Hilton etc.
- Safety Protection- Door Open, Low water, Over load, Phase interchange, HP, LP, Over Temp.
- Operations- Microprocessor based PID Controller.



Hot Air Oven

Technical Specification-

- Size=1000L (as per requirement).
- Temperature Range 5 ° C above ambient to 400 ° C
- Temperature Accuracy ± 0.2 ° C up to 105 ° C & ± 1 ° C above
- Rate of Change of temp. Upto 10 ° C / minute
- Options Tray Driers, Water Jacketed Ovens Available On Request



Altitude Temperature and Humidity Chamber

Technical Specification-

- Temperature Range- -70°C to 180°C ± 1 °C
Ramp Average- 0.1°C to 5°C (as per requirement).
- Vacuumed- 10mbar
Sizes- 0.3 3 m to 1.5 3 m. (as per requirement).
- Type 1- Interior SS304 grade, Exterior SS304 grade.
- Type 2- Interior SS304 grade, Exterior MS powder coated.
- Structure- MS Chanel, Squire pipes, Angles, Flats, Sheets, etc.
- Insulations- Rockwool, Glass wool, Puff, Hilton etc.
- Operations- Microprocessor based PID Controller.
- Optional- PLC with HMI, Data lodging, Data Saving, Computer Interface.



industrial ovens

Technical Specification-

- Temperature Range- -70°C to 180°C ± 1 °C
- Ramp Average- 0.1°C to 5°C (as per requirement).
Humidity Range- 10% to 98% RH ± 3 %
Sizes- 0.3 3 m to 1.5 3 m. (as per requirement).
- Type 1- Interior SS304 grade, Exterior SS304 grade.
- Type 2- Interior SS304 grade, Exterior MS powder coated.
- Structure- MS Chanel, Squire pipes, Angles, Flats, Sheets, etc.
- Insulations- Rockwool, Glass wool, Puff, Hilton etc.
- Operations- Microprocessor based PID Controller.
- Optional- PLC with HMI, Data lodging, Data Saving, Computer Interface.
- Safety Protection- Door Open, Low water, Over load, Phase interchange, HP, LP, Over Temp.



Environmental Chamber

Technical Specification-

- Temperature Range- -70°C to 180°C ±1°C
Ramp Average- 0.1°C to 5°C (as per requirement).
- Humidity Range- 10% to 98% RH ±3%
Sizes- 0.3 3 m to 1.5 3 m. (as per requirement).
- Type 1- Interior SS304 grade, Exterior SS304 grade.
- Type 2- Interior SS304 grade, Exterior MS powder coated.
- Structure- MS Chanel, Squire pipes, Angles, Flats, Sheets, etc.
- Insulations- Rockwool, Glass wool, Puff, Hilton etc.
- Operations- Microprocessor based PID Controller.
- Optional- PLC with HMI, Data lodging, Data Saving, Computer Interface.
Safety Protection- Door Open, Low water, Over load, Phase interchange, HP, LP, Over Temp.



Stability Chamber

Technical Specification-

- Sizes- 125L (as per requirement).
- Temperature Range- -20°C to 60°C
- Humidity Range- 10% to 98% RH(optional lower RH available)
Temperature Tolerance- ± 2°C (as per requirement).
- Humidity Tolerance- ± 5%
- Ethernet monitoring & control.
- RS-232, RS-485 serial communications.
- Stainless steel interior.
- Door with heated viewing window & interior lights.
- An electronic humidity sensor for accuracy.



Climetic Chamber

Technical Specification-

- Temperature Range- -70°C to 180°C ±1°C
Ramp Average- 0.1°C to 5°C (as per requirement).
Sizes- 0.3 3 m to 1.5 3 m. (as per requirement)
- Type 1- Interior SS304 grade, Exterior SS304 grade.
- Type 2- Interior SS304 grade, Exterior MS powder coated.
- Structure- MS Chanel, Squire pipes, Angles, Flats, Sheets, etc.
- Insulations- Rockwool, Glass wool, Puff, Hilton etc.
- Operations- Microprocessor based PID Controller.
- Optional- PLC with HMI, Data lodging, Data Saving, Computer Interface.
- Safety Protection- Door Open, Low water, Over load, Phase interchange, HP, LP, Over Temp.





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