



CSZ
Cincinnati Sub-Zero

CT- SERIES
CUSTOM-DESIGNED
TEMPERATURE / HUMIDITY CHAMBERS



www.cszproducts.com

Customized Test Chambers

Designed to Meet Your Requirements with Faster Change Rates

Our CT-Series Temperature/Humidity Chambers are custom-designed, high performance test chambers with fast change rates up to 25 °C/min. and faster with certain options for accelerated stress testing. Chambers may be designed to meet your size requirements and virtually any performance criteria with high volume airflow, large horsepower compressors, and optional LN2 cooling.

All CT-Series Chambers offer heavy-duty construction and a variety of performance options while maintaining the precise temperature and humidity control essential for your product testing.

Features & Benefits

- CSZ EZT-570S Touch Screen Controller is designed to save chamber programming and setup time. Comes standard with data logging, data file access via memory stick or PC, Ethernet control and monitoring, alarm notification via email or phone text message, data file backup system, full system security, online help & voice assistance in multiple languages and more.
- RS-232/485 serial communications and Ethernet connectivity offer a selection of communications options
- EZ-View software allows user to control and monitor up to 20 chambers from any location
- Fog-free viewing window and interior light makes viewing workspace hassle-free
- High Performance with fast change rates for accelerated stress testing
- Customizable to meet your specific test requirements
- Durable chamber construction for dependability and longer life
- Energy savings provided through a bi-modal heating and cooling system that saves energy and eliminates the need to override the cooling system with an excessively large heating system
- Chamber construction provides customers with the flexibility to incorporate both left and right side ports in addition to ports in the top of the chamber for easy integration with your test device
- Fully welded ports and shelf pilasters eliminate potential leaks, increasing the life of your chamber
- Humidity water filtration system is included to filter impurities and protect your chamber interior
- An electronic humidity sensor is used on all humidity models for accuracy and minimal maintenance



Standard Features

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|--------------------------------------|---|
| ▪ 2.875" Access Port | ▪ Digital Display Temp. Limit & Alarm |
| ▪ Non-Settling Fiberglass Insulation | ▪ EIA-232/485 Computer Interface |
| ▪ Fog-Free Wiperless Window | ▪ Solid State RH Sensor* |
| ▪ Fused Electrical Components | ▪ Refrigeration Service Taps |
| ▪ Brushed Stainless Steel Interior | ▪ Zero Ozone Depletion Refrigerants |
| ▪ EZT-570S Touch Screen Controller | ▪ Refrigeration High Temperature Protection |
| ▪ Internal Light with Switch | ▪ Refrigeration Pressure Gauges |
| ▪ Refrigeration Pressure Protection | ▪ Humidity Demineralizer Water System* |

*Humidity units only

Although standard sizes are listed below, CSZ customizes our chambers to meet your test application. Larger and smaller sizes are available.



Size	Standard sizes range 8 to 64 cu. ft.*
Temperature Ranges	Single Stage: -34°C to +190°C (-30°F to +375°F) Tundra®: -45°C to +190°C (-50°F to +375°F) Cascade: -70°C to +190°C (-94°F to +375°F) Optional LN2 Boost: -85°C (-120°F) Optional LN2 Cooling Only: -184°C to +190°C
Optional Humidity Range	10% to 98% RH relative humidity as limited by a 85°C (+185°F) maximum dry bulb and +7°C (+45°F) minimum dewpoint.

*Custom sizes available

Custom-Designed Test Chambers for your Application

Where standard models are not adequate for your application, our extensive range of custom capabilities can provide enhanced performance.



Optional Accessories & Custom Capabilities

- Casters
- Shelving
- Access Ports
- Low Relative Humidity
- 50 Hz. Operation
- Dry Air Purge System
- CO2/LN2 Boost Cooling
- Temperature Recorders
- IEEE-488 Computer Interface
- Running Time Meter
- Electrical Disconnect Switch
- EZ-View Software
- Recirculating Humidity Water Supply
- LN2 Cooled Only Chambers
- Heat Only Chambers
- Electrical Disconnect Switch
- Custom-Size Chambers
- Explosion-Proof Electrical
- Ultra High & Low Temperatures
- Compliance to all Wiring Standards
- Custom Control Interface Capability
- Class I, Division I or II, Group D



Cincinnati Sub-Zero is a product brand of Weiss Technik North America, Inc. Weiss Technik North America is a member of the Weiss Technik group of companies, a division of the Schunk Group with its headquarters in Heuchelheim, Germany. Weiss Technik is the world's largest manufacturer of environmental simulation systems and employs more than 2,400 people in 22 group companies in 15 countries.



Testing Services

Our A2LA Accredited Test Laboratory provides environmental simulation testing utilizing the latest test technology to meet your testing needs from product qualification testing, overflow testing and /or third party product validation. Capabilities include Temperature, Humidity, and/or Vibration, Thermal Shock, Burn-in, Radiator Testing, Altitude, Vibration, HALT/HASS, Shock, Salt Spray, Cyclic Corrosion test and Drop Testing. Serving you from two locations in Cincinnati, OH and Sterling Heights, MI.

FOR MORE INFORMATION please call our Testing headquarters at 513-793-7774 or visit www.wnatesting.com.



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