

CSZ

Cincinnati Sub-Zero



VTS-1 Thermal Shock Chamber

VTS -1 Thermal Shock Chambers

CSZ's VTS-1 Compact Thermal Shock Chamber is a two zone, air to air chamber consisting of a hot/cold zone. Product is transferred between these zones for rapid product temperature changes.

This chamber offers 1ft³ of interior workspace volume, superior performance, and small footprint coupled with many standard features to provide exceptional value. The lower chamber also contains both heating/cooling and may be programmed and operated as a separate temperature cycling chamber for greater return on investment.

Our unique chamber design passes equal volumes of high velocity conditioned air over the product, resulting in rapid product temperature changes. The induced thermal stresses can reveal hidden manufacturing defects in electronic sub-assemblies and other components by the expansion and contraction of critical parts.

UNIQUE PRODUCT FEATURES

The EZT-560i controller provides flexibility and a full range of user-friendly features that combine to simply programming and saves valuable time along with built-in safeties to protect your chamber and product under test.
RS-232/485 serial communications.
The product transfer carriage provides smooth, steady transfer of your product between the hot/cold chambers. Special design does not require compressed air to operate.
Operates on 208V/230V, 1 or 3 phase power.
Internal Light (Hot Chamber)
Door Safety Interlocks prevent the door from being opened during operation.
Emergency Stop Button shuts down power to chamber when needed.
Traveling Cable Port for routing cables and wires from the product under test to an external device.
Removable panels provides easy access to all systems for maintenance purposes.
Compact size and casters let you move the chamber throughout your lab with leveling legs that allow you to secure and level your chamber.
Rapid airflow through the workspace to facilitate fast part temperature change rates.
Environmentally safe, zero Ozone Depletion Potential refrigerants are used to protect the environment and meet federal regulations.

OPTIONAL ACCESSORIES

Additional Basket/Shelf	Digital Output Option
Chart Recorders	Digital Input Option
Digital High/Low Limit & Alarm	Main Power Disconnect Switch
Run Time Meter	Dry Air Purge
IEEE-488 Interface	LN2 Boost
EZ-View Software	

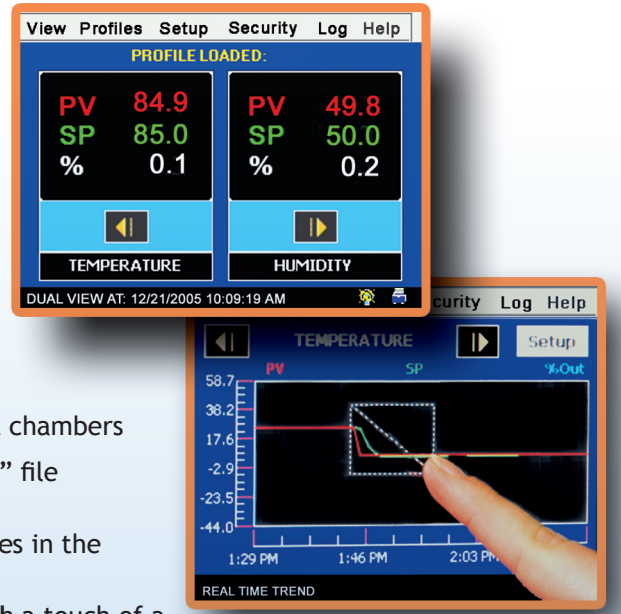
VTS-1

Thermal Shock

CSZ's EZT-560i Touch Screen Controller

...CONNECTING YOUR TEST WORLD...

CSZ's EZT-560i controller offers the latest in test chamber programming. Flexible configurations along with a full range of user-friendly features combine to simplify programming and save valuable time for greater return on your investment. Intuitive controller includes built-in safeties to protect your chamber and product under test. The EZT-560i now offers integrated communications along with a host of additional features.

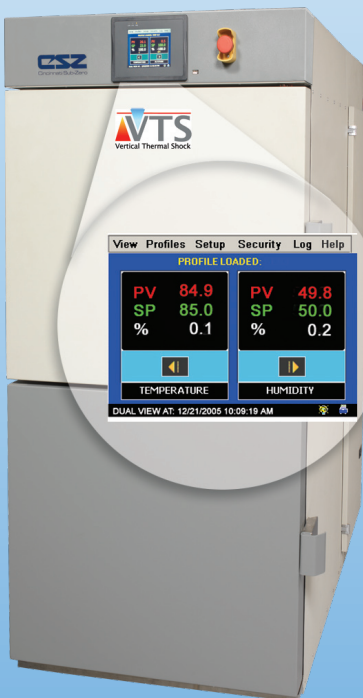


COMMUNICATIONS & CONNECTIVITY

- Ethernet capability to remotely monitor and control multiple test chambers
- Automated "Ethernet" back-up of data files provides "hassle free" file management
- Alarm notification system sends e-mail and/or text phone messages in the event of a test chamber alarm
- Integrated e-mail sends data files directly from the controller with a touch of a button
- Easily download profiles, alarm files, audit trail files and data log files to removable I-stick via USB port.

USER CONVENIENCE & ENHANCED FUNCTIONALITY

- Allows for programming of the lower (cold) chamber for temperature cycling offering additional value
- Automatically transfers product between the hot/cold chambers and also displays current position of the transfer basket
- Profile status view provides detailed information on profile running including start & stop date/time
- Profile autostart allows profiles to begin at a date, day and time
- Full system security with audit trail tracking
- Adapt-a-Tune technology provides the ultimate in chamber performance and control stability
- Product high/low limit protects your device under test
- Selectable power failure/recovery options in the event of a power failure



VTS-1 SPECIFICATIONS

Workspace Volume	1 cu. ft. (28L)
Product Carrier Test Area Dimensions	15" wide x 10.5" deep x 11" high (38cm x 26.7cm x 28cm)
Workspace Dimensions	24" wide x 16" deep x 14" high (61cm x 40.6cm x 35.6cm)
Exterior Dimensions	34" wide x 62" deep x 70" high (86.4cm x 157.5cm x 177.8cm)
Temperature Range	Cold/Hot: -75°C to 190°C Cold: 70°C to 210°C
Maximum Product Load	20 lbs.

Air To Air Chamber

The Experience you Rely on...

Cincinnati Sub-Zero (CSZ) Products, Inc. is an ISO-9001 certified company with over 68 years of industry experience designing and manufacturing temperature-controlled products of the highest quality, with a commitment to total customer satisfaction.

At CSZ, we offer a complete line of both standard and custom-designed environmental simulation chambers including:

- Temperature Cycling
- Humidity
- Thermal Shock
- Stress-Screening
- Altitude
- AGREE Vibration
- Freezers
- Liquid Chillers
- Wind & Rain
- Dust
- Other Custom Chambers

Custom fixtures may also be designed and fabricated for your product needs. Chamber sizes range from small benchtop units to full walk-in/drive-in rooms.

QUALITY

The quality design and engineering of our products is known throughout the industry. We ensure the quality and reliability of every product we manufacture with design review meetings, incoming and in-process inspections, vendor auditing, and validation testing. Our ISO-9001 certification combined with our quality processes ensure that you are purchasing the most reliable chamber in the industry.

SERVICE

Service is the cornerstone at Cincinnati Sub-Zero. Matched by none, CSZ provides a comprehensive service organization to assure product performance. CSZ has factory-trained representatives to provide on-site maintenance and repair of your CSZ products. From the first contact with our customer service department, you will be provided with prompt, courteous, and knowledgeable assistance.

CSZ offers extended product warranties, preventative maintenance programs, upgrades, and calibration services. Contact CSZ's service department today for more details.

- Protect your investment*
- Reduce cost of ownership*
- Save valuable maintenance time*
- Assure prompt qualified service*
- Enable planned limited expenditures*
- Keep your equipment performing to today's latest standards*



Cincinnati Sub-Zero Products, Inc.
12011 Mosteller Road
Cincinnati, OH 45241
513.772.8810
800.989.7373
www.cszindustrial.com



© Cincinnati Sub-Zero Products, Inc. 2008
95021 06/08