Cincinnati Sub-Zero

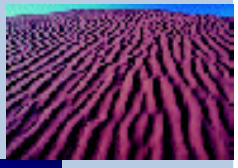
CV-Series Vibration Chambers





(Shown with optional Vertical Height Adjustment, Horizontal & Vertical Vibration Interface and Rear Sliding Door)

AV-Series Vibration Chambers





ISO-9001
CERTIFIED

Pre-Engineered Performance

AV/CV-Series Test Chambers

Cincinnati Sub-Zero's AV/CV-Series chambers offer rapid temperature change rates with combined temperature/humidity/

of electrodynamic or mechanical vibration systems. Each model is manufactured to standard designs but may be custom engineered to meet a wide range of stringent test requirements. User-friendly, computer-compatible instruments and con-

Our AV-Series AGREE (Advisory Group on Reliability of Electronic Equipment) chambers combine temperature/humidity and vibration for commercial and military testing, designed to meet MIL STD 883 and 781 test standards. The AV-Series models

vertical sliding doors. Our CV-Series temperature/humidity and vibration chambers are designed for commercial testing to integrate with electrodynamic or mechanical vibration systems in only the vertical mode of operation. Performance can be

.

Standard Features

- ☑ Programmable Controller
- ☑ Digital Display Temp. Limit & Alarm
- ☑ EIA-232/485 Computer Interface
- ☑ *Solid State RH Sensor
- ☑ Internal Light with Switch
- ☑ Fused Electrical Components
- ☑ Refrigeration High Temperature Protection
- ☑ Refrigeration Pressure Gauges
- ☑ Refrigeration Service Taps
- ☑ Zero Ozone Depletion Refrigerants
- ☑ Water Cooled Condenser
- ☑ *Demineralizer Humidity Water Filter
- ☑ 2.875" Access Port
- ☑ Fog-Free Wiperless Window
- ☑ Brushed Stainless Steel Interior
- ☑ Non-Settling Low "K" Factor Fiberglass Insulation
- ☑ Diaphragm Interface to Shaker
- ☑ High Volume Air Flow

*Humidity units only

Custom Capabilities

- ☑ Explosion-Proof Electrical
- ☑ Custom-Size Chambers
- ☑ Custom Application Chambers
- ☑ Ultra High Temperatures
- ☑ Ultra Low Temperatures
- ☑ Compliance to all Wiring Standards
- ☑ Custom Control Interface Capability
- ☑ CE Approval

Optional Accessories

- ☑ A Selection of Controllers
- ☑ Windows-Based Software Packages
- ☑ IEEE-488 Computer Interface
- ☑ Running Time Meter
- ☑ 50 Hz. Operation
- ☑ Temperature/Humidity Recorders
- ☑ Electrical Disconnect Switch
- ☑ Remote Instrument Console
- ☑ LN_2/CO_2 Boost Cooling
- ☑ Dry Air Purge System
- ☑ Extended Relative Humidity Range
- ☑ 781C Moisture Injection System
- ☑ Remote Air Cooled Condenser
- ☑ Refrigeration Sound Deadening
- ☑ Vibration Sound Deadening
- ☑ Additional Access Ports
- ☑ Shelving
- ☑ Casters
- ☑ Cable Notch
- ☑ Vertical Lift Door
- ☑ Rear Sliding Door*
- ☑ Chamber Height Adjustment*
- ☑ Solid Floor Plug
- ☑ Special Paint Colors

*AV-Series Only

Temperature Range

Cascade: -73ºC to +190ºC (-100ºF to +375ºF)

Humidity Range

10% to 95% relative humidity as limited by a +85ºC

minimum dewpoint.

Performance

Performance based on 60 Hz. operation and +75ºF ambient air. For 50 Hz. operation, stated performance and air flow will be approximately 17% less.

Control

Air temperature control as measured at the control sensor ±1ºC and relative humidity ±4% after stabilization.

CV-Series Dimensions

Model	Workspace			Maximum	Overall*		
	W	D	H	Body Diameter	W	D	H
CV-8	24	24	24	23	60	86	69
CV-16	30	30	30	29	60	100	77
CV-32	38	38	38	36	68	114	85
CV-32 (10 & 15 HP)	38	38	38	36	76	123	85
CV-64	48	48	48	46	76	128	105

The dimensions above are stated in inches. Height is based on a shaker height of 33".
*Chamber may be disassembled or configured for your move-in requirements. Consult factory for more information.

Basic Specifications - Here's what the AV/CV-Series can do...

Models	MIL STD 781B,C Lbs. of Aluminum			Work Space Dimensions (IN)			Maximum Vibration Table Size	Overall* Dimensions (IN)			Approx. Shipping Weight Lbs.
	A-E	A-F	A-J	W	D	H		W	D	H	
AV-14-6-6	100	95	90	28	28	30	24 X 24	66	78	94	2375
AV-33-705-705	300	200	100	40	40	36	36 X 36	66	90	100	4000
AV-33-15-15	500	400	300	40	40	36	36 X 36	86	96	100	4300
AV-41-705-705	300	200	100	54	36	36	48 X 30	66	86	100	4050
AV-41-15-15	450	350	250	54	36	36	48 X 30	86	92	100	4350
AV-41-27-27	800	650	500	54	36	36	48 X 30	86	92	100	4450
AV-61-705-705	300	200	100	54	54	36	48 X 30	66	104	100	4200
AV-61-15-15	400	300	200	54	54	36	48 X 48	86	110	100	4500
AV-61-27-27	800	650	500	54	54	36	48 X 48	86	110	100	4800
AV-81-705-705	A thru D w/ 1000			54	54	48	48 x 48	66	104	112	5000
AV-81-27-27	700	550	400	54	54	48	48 x 48	86	110	112	5300
AV-108-705-705	A thru D w/ 1000			72	54	48	66 x 48	94	104	112	6450
AV-108-25-25	700	500	350	72	54	48	66 x 48	94	110	112	6700
AV-117-705-705	A thru D w/ 1000			78	54	48	72 x 48	100	104	112	7000
AV-117-27-27	625	425	225	78	54	48	72 x 48	100	110	112	7300
AV-121-705-705	A thru D w/ 1000			66	66	48	60 x 60	88	116	112	7500
AV-121-27-27	550	350	200	66	66	48	60 x 60	88	122	112	7800
AV-144-705-705	A thru D w/ 1000			72	72	48	66 x 48	94	122	112	8200
AV-144-27-27	550	350	200	72	72	48	66 x 48	94	128	112	8500

Notes: Height is based on a shaker height of 33". The addition of certain options may affect chamber specifications. Specifications are subject to change.
*Chamber may be disassembled or configured for your move-in requirements. Consult factory for more information.

Models	Cooling Performance Empty Chamber (Minutes)			Heating Performance Empty Chamber (Minutes)			Live Load Capacity in Watts at		Approx. Shipping Weight Lbs.
	24°C to			24°C to					
	-40°C	-54°C	-68°C	93°C	190°C	-68°C to 24°C	-40°C	-54°C	
CV-8-2-2	15	20	30	10	20	10	1200	900	1800
CV-8-3-3	10	15	25	10	20	10	2050	1660	1800
CV-16-2-2	20	25	35	12	25	15	1500	1100	2500
CV-16-3-3	15	20	30	12	25	15	2050	1660	2500
CV-16-6-6	10	15	25	10	20	10	3000	2400	2700
CV-16-705-705	8	13	18	10	20	12	4080	3300	2700
CV-32-3-3	15	25	40	15	30	15	2060	1660	3200
CV-32-6-6	10	20	30	10	30	12	3000	2400	3600
CV-32-705-705	8	15	20	8	20	10	4080	3300	3600
CV-32-10-10	5	10	15	5	10	10	5300	4300	4000
CV-64-3-3	25	35	55	25	60	25	2060	1660	4600
CV-64-6-6	15	20	35	15	45	20	3000	2400	4800
CV-64-705-705	10	15	30	12	35	18	4080	3300	5000
CV-64-10-10	7	12	16	15	35	20	5300	4300	5300
CV-64-15-15	5	9	12	15	35	20	7600	6160	5500

Notes: The addition of certain options may affect chamber specifications. Specifications are subject to change.

Meeting the needs of our customers...

Cincinnati Sub-Zero has designed thousands of test chambers for special applications. We can custom design the right environmental testing system for you. Whether you require environmental test chambers, thermal shock/temperature cycling units or special calibration bath systems, CSZ is prepared to design and build the test chamber to fit all your needs.

Parts

CSZ maintains a complete parts inventory that are readily available for overnight delivery - increasing your uptime.

Service

Our factory-trained dealer service organizations throughout the world are supported by CSZ field service technicians. This combination of experts assures timely, professional and cost-effective installation, start-up, and service.

With Sales and Service locations across the United States, we can provide complete customer support for all of your environmental simulation needs.



CSZ
Cincinnati Sub-Zero

INTERTECHNOLOGY INC.
1-800-465-1600
Tel: 416-445-5500
Fax: 416-445-1170
E-Mail: sales@intertechnology.ca
Website: www.intertechnology.com