![weisstechnik - a schunk company]

Endurance®

Full Feature Temperature & Humidity Chambers

For Maximum Quality Assurance


Stand the test of time.

www.weiss-na.com

Made in USA

Impressive Technology

The Endurance® Series from Weiss Technik: the Temperature & Humidity chamber that stands alone. Designed and engineered to give you lasting value, performance and reliability for all your testing applications. The intelligently engineered test space design allows for maximum airflow coverage and accurate gradients. Many popular sizes are available that allow you to choose the chamber that best fits your needs. The mobile design allows for greater flexibility.
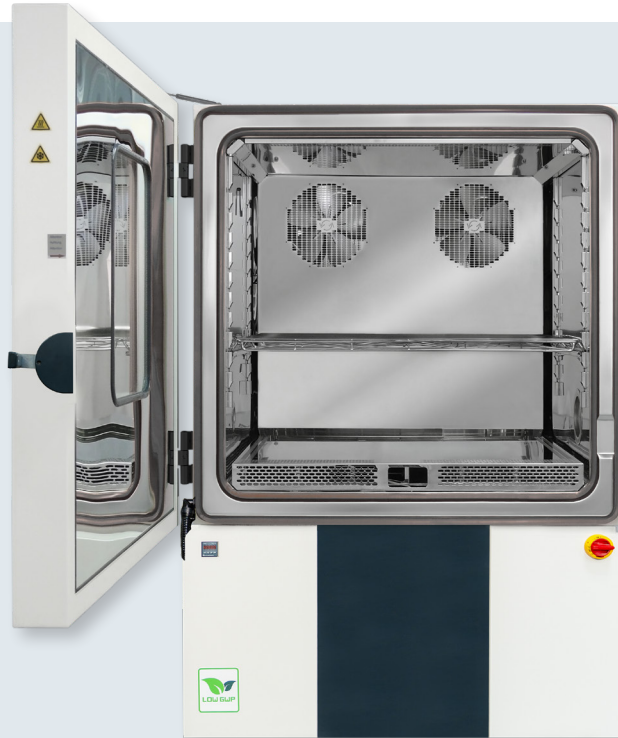
Performance Features

Energy Savings
- Up to 20% in energy savings

Tight Temperature Control & Uniformity
- ≤ ±0.5°C Control and ≤2.0°C Uniformity

Quiet Operation
- Ideal for laboratory testing

Small Footprint
- Ideal for customers with limited floor space

- Energy Efficient
- Ability to reach 98% RH @ 95°C
- Quiet Operation
- Mobile Design

- Easy Fill Water Reservoir
- Multi-Level High/Low Temperature Protection Feature
- Anti-Condensation Feature - Keep your product protected
- -70°C to 180°C and -40°C to 180°C

## The Latest Technology in Controllers & Software

The Latest Technology

The WEBSeason® control system is the latest technology in digital chamber control and programming. With the simple, easy to use touchscreen and menu-guided user interface, no programming knowledge is necessary. WEBSeason® offers many features including USB and Ethernet interfaces, remote control and remote monitoring, networking with other test systems, and a 32- bit control and monitoring system to ensure accurate control of temperature and humidity.
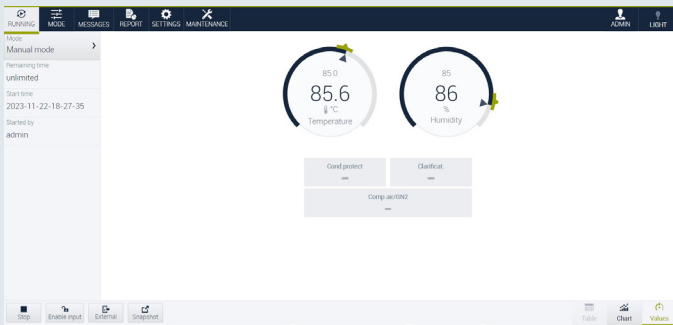
Simulation Package for Test System Integration

S!MPATI System Control Software enables complete chamber control and remote operation. With its user-friendly profile entry and table-based editor, the operation and monitoring of test systems is seamless and time-saving. The software's full-featured graphic chart allows for easy performance measurement, annotations, ramp rate calculations, and more. Experience enhanced reliability through integrated monitoring features. With a straightforward menu-guided interface, user training is unnecessary. S!MPATI gives users simultaneous control of up to 99 chambers, making it a comprehensive solution for streamlined testing processes.
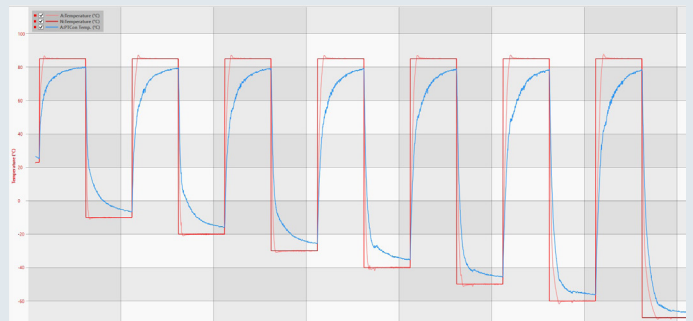
Impact Your Business More…
and the Environment Less.

Customer Benefits

- Utilizes R-449A Low GWP Refrigerant
- Lower Carbon Footprint
- Supports Corporate & Federal Sustainability Programs
- R-449A supports the EPA's hydrofluorocarbon (HFC) phasedown, Docket ID: EPA-HQ-OAR-2021-0044, as part of the American Innovation and Manufacturing (AIM) Act
- Avoids availability and pricing issues of high GWP HFC refrigerants expected in the United States per the AIM Act
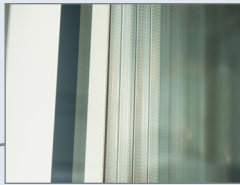
Tight Seal Double Gasket

Slide Out Shelves

Two 5" Access Ports

Water Reservoir Fill

Connectivity

R-449A Refrigerant

Intelligently Engineered Test Space Design for Accurate Airflow Gradients

5-Pane Heated Window

Easy Open, Lockable Door Handle

WEBSeason® Larger 10" Adjustable Touchscreen Controller
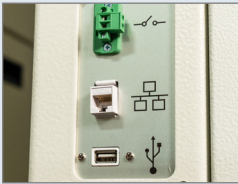
Main Power Switch

| 3.0°C - 4.0°C/min									
Model		ENDH-7/40	ENDH-12/40	ENDH-21/40	ENDH-35/40	ENDH-54/40	ENDH-12/70	ENDH-21/70	ENDH-35/70	ENDH-54/70
Test Space Volume	(Cu. ft/ Liters)	7 / 195	12 / 335	21 / 610	35 / 990	54 / 1540	12 / 335	21 / 610	35 / 990	54 / 1540
Test Space Dimensions (mm)	Width (W) Depth (D) Height (H)	22.8" (580) 17.7" (450) 29.5" (750)	22.8" (580) 30.1" (765) 29.5" (750)	31.5" (800) 31.5" (800) 37.4" (950)	43.3" (1100) 37.4" (950) 37.4" (950)	43.3" (1100) 58" (1475) 37.4" (950)	22.8" (580) 30.1" (765) 29.5" (750)	31.5" (800) 31.5" (800) 37.4" (950)	43.3" (1100) 37.4" (950) 37.4" (950)	43.3" (1100) 58" (1475) 37.4" (950)
External Dimensions (mm)	Width (W) Depth (D) Height (H)	36.0" (915) 59.7" (1516) 78.8" (2002)	36.0" (915) 65.3" (1660) 78.8" (2002)	44.8" (1138) 66.7" (1695) 86.7" (2202)	56.1" (1425) 72.7" (1847) 86.7" (2202)	56.1" (1425) 93.4" (2372) 86.7" (2202)	36.0" (915) 65.3" (1660) 78.8" (2002)	44.8" (1138) 66.7" (1695) 86.7" (2202)	56.1" (1425) 72.7" (1847) 86.7" (2202)	56.1" (1425) 93.4" (2372) 86.7" (2202)
Temperature Range	(°C/°F)	+180°C to -40°C (+356°F to -40°F)					+180°C to -70°C (+356°F to -94°F)			
Humidity Range	(%RH)	10% to 98%								
Temperature Change Rate Heating	°C/min	4.0	3.2	4.0	4.0	3.5	3.0	4.0	4.0	3.5
Temperature Change Rate Cooling	°C/min	3.5	3.5	3.0	3.0	2.5	2.7	2.5	2.5	2.3
Live Load Capacity	-20°C (W)	750	750	875	875	900	1500	2000	2500	2500
Refrigeration Type		Air-cooled								
Input Power	Volt,Phase, Hertz	Configurable for 208-3-60 or 230-3-60								

Notes:
- Additional heating/cooling rates, voltage and options are available. Consult your local Account Manager.
- Temperature and humidity performance data are taken at the control sensor with an empty test space.
- Average temperature change rates are measured at supply air in a +25°C ambient environment.
- Heating/cooling rates are evaluated according to IEC 60068-3-5.
- Water cooled models available. Consult your local Account Manager.
- This literature is for general guidance only. It does not constitute recommendations, representations or advice and nor is it part of any contract. Our policy is one of continuous product improvement and the right is reserved to modify the specifications contained herein without notice.

Humidity Diagram
Get the most out of your testing.
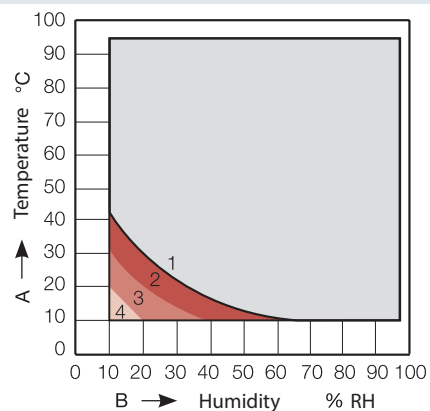
A   Test space temperature in °C
B   Relative humidity in % RH
1   Standard humidity range
2   Range with intermittent operation - (dew point +4 °C to -3 °C)
3   Extended humidity range with optional accessory compressed air dryer, dew point down to -12 °C controlled
4   Extended humidity range with additional equipment compressed air dryer (optional accessory) and capacitive humidity measuring system (optional accessory), dew point down to approx. -20 °C controlled

Ability to reach 98% RH @ 95 °C

Service & Quality

Providing Peace of Mind for Your Chamber Operation

Service Support

Weiss Technik products are backed by our global factory trained service department. With over 400 service technicians located throughout the globe, we offer our customers a wide variety of services from preventive maintenance, calibration, retrofits, start-up & training, technical support and more.

Quality - Count on Weiss Technik

Weiss Technik helps make the task of compliance much simpler. There is no need for you to take the time to actively seek an accredited laboratory. Weiss Technik, certified ISO9001 in 1997, can provide the latest required ISO/IEC 17025 (A2LA accredited) calibration services at your facility. These services meet 17025 requirements and ensure that your company is in compliance with the most recent changes in the QS9000 3rd Edition mandate.

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ACCREDITED
CALIBRATION
LABORATORY
Certificate No. 1276-01

Quality System
Registered to
**ISO
9001:2015**

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