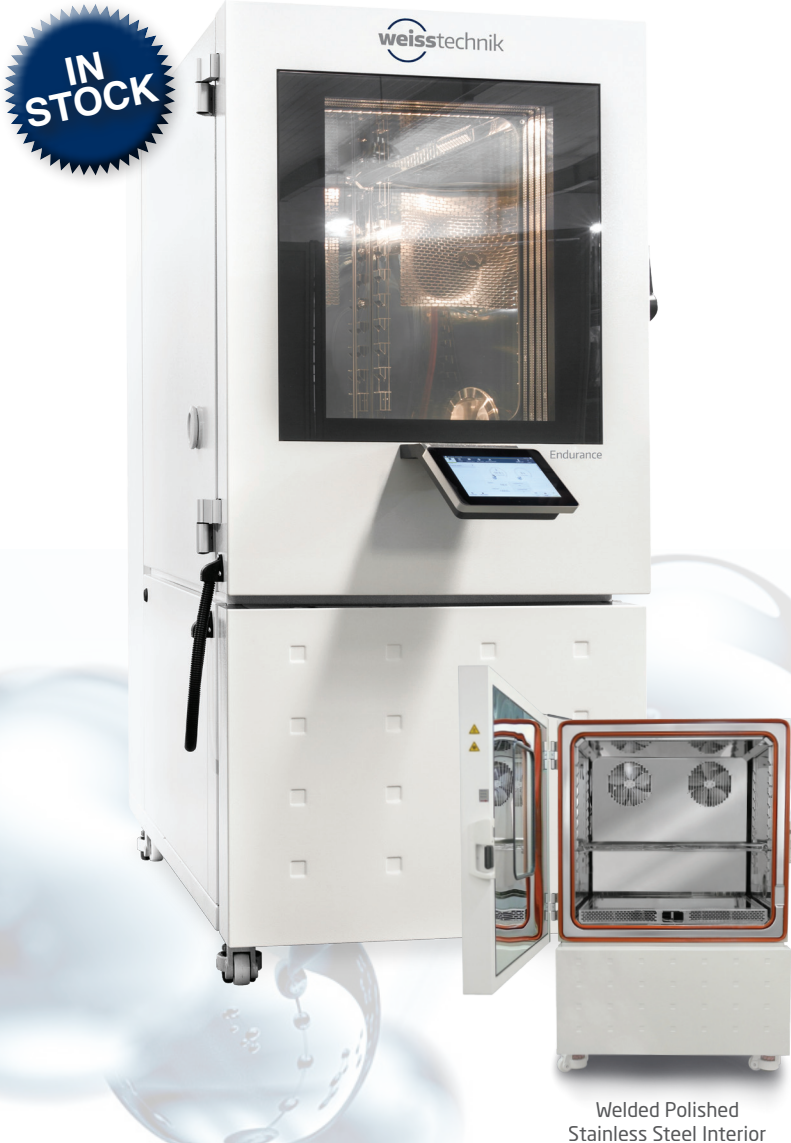# Endurance®

Test Chambers for Packaging & Life Science Products

IN STOCK

The Endurance Series from Weiss Technik: the Temperature and Humidity test chamber that is tailored for many of the stringent testing requirements for life science products and packaging. Endurance meets and exceed industry guidelines for testing packages, medical devices, pharmaceutical/biotech and other life science products. Designed and engineered to give you lasting value, performance and reliability for all your testing applications. The Endurance Series features an intelligently engineered test space allowing for maximum airflow coverage and accurate gradients. The mobile design allows for greater testing flexibility.

Industry Compliant

- ISTA, ASTM & ISO Package Specifications
- FDA / ICH Pharmaceutical Guidelines
- Fast Freeze Rate for Vaccines & Bulk Liquid Media
- Supports Accelerated/Aggressive Drug Stability Testing
- ISO 9001, A2LA & UL508A Certified

Performance Features

- -40° to 180°C. or -70° to 180°C.
- Ability to Reach 98% rh @95°C
- Energy Efficient
- Quiet Operation
- Mobile Design
- Multi-Level High/Low Temperature Protection Feature
- Anti-Condensation Feature
  - Keep your product protected

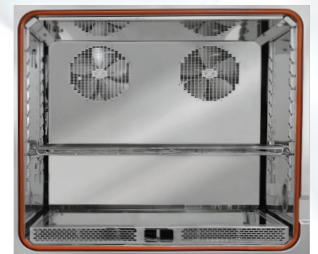Welded Polished
Stainless Steel Interior

WEBSeason® Precise Adjustable
Touchscreen Controller

Adjustable Heavy Duty
Leveling Casters

Tight Seal Double Gasket

Intelligently Engineered Test Space
Design for Accurate Airflow Gradients

Stand the test of time.

www.weiss-na.com

Performance & Technical Data

Endurance®
Test Chambers for Packaging & Life Science Products

IN STOCK

Design

Model Number		ENDH180/40	ENDH340/40 ENDH340/70	ENDH600/40 ENDH600/70	ENDH1000/40 ENDH1000/70	ENDH1500/40 ENDH1500/70
Test Space Volume	Liter	190	335	600	990	1540
	Cubic Feet	7	12	21	35	54
Test Space Dimensions	Width	22.8" (580 mm)	22.8" (580 mm)	31.4" (800 mm)	43.3" (1100 mm)	43.3" (1100 mm)
	Depth	17.7" (450 mm)	30.1" (765 mm)	31.4" (800 mm)	37.4" (950 mm)	58" (1475 mm)
	Height	29.5" (750 mm)	29.5" (750 mm)	37.4" (950 mm)	37.4" (950 mm)	37.4" (950 mm)
Exterior Dimensions	Width	34.2" (870 mm)	34.2" (870 mm)	43" (1090 mm)	54.7" (1390 mm)	54.7" (1390 mm)
	Depth	58" (1475 mm)	70.4" (1790 mm)	72.6" (1845 mm)	78.5" (1995 mm)	99.2" (2520 mm)
	Height	70.3" (1785 mm)	70.3" (1785 mm)	80.6" (2047mm)	80.6" (2047mm)	80.6" (2047mm)
Chamber Weight		~950 lbs	~1050 lbs ~1150 lbs	~1350 lbs ~1490 lbs	~1875 lbs ~2100 lbs	~2050 lbs ~2450 lbs
		~431 kg	~476 kg ~522 kg	~612 kg ~675 kg	~851 kg ~953 kg	~930 kg ~1111 kg

Performance

Temperature Range	Minimum	-40º C (-40º F)	-40º C (-40º F) -70º C (-94º F)	-40º C (-40º F) -70º C (-94º F)	-40º C (-40º F) -70º C (-94º F)	-40º C (-40º F) -70º C (-94º F)
	Maximum			+180º C (+356º F)		
Heating Rate	ºC/minute	4.0	3.2 3.0	4.0 4.0	4.0 4.0	3.5 3.5
Cooling Rate	ºC/minute	3.5	3.5 2.7	3.0 2.5	3.0 2.5	2.5 2.3
Temperature Uniformities	ºC/ºF			+/- 1ºC (2º F)		
Humidity Range	%RH			10% to 98%		
Dew Point Range	ºC/ºF			-3º C to +94º C (26º F + 201º F)		
Humidity Uniformities	%RH			+/- 5%		
Acoustic Pressure Level	dB(A)	58	60	66	70	70
Condenser				Air-Cooled		

Standard Features:
- Multi-pane heated window
- Left hand hinged door
- Two access ports
- Built-in water reservoir
- Mobile design
- Adjustable leveling casters
- Heavy duty shelf
- Single-handed operated door
- Easy access panel doors
- Double gasket seal
- **WEB**Season® Precise Adjustable Touchscreen Controller

Additional Options:
- S!MPATI Software
- Additional Ports
- Transformer
- Demineralizer
- Dry Air Purge
- Additional options also available, contact your local sales representative

Notes:
- Temperature and humidity performance data are taken at the control sensor with an empty test space
- Exterior dimension includes touchscreen controller
- Average temperature change rates are measured at supply air in a +25º C ambient environment
- Heating/cooling rates are evaluated according to IEC 60068-3-5
- Temperature and humidity homogeneities/uniformities are evaluated according to IEC 60068-3-6, at steady state conditions
- 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.

weisstechnik

Weiss Technik North America, Inc.
3881 N. Greenbrooke Dr. SE
Grand Rapids, MI 49512 USA
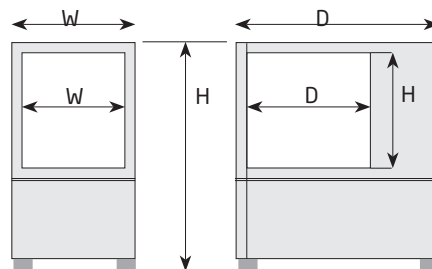1-800-368-4768 • (616) 554-5020
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Quality System Registered to ISO 9001