weisstechnik®
a schunk company

High Performance • Advanced Technology

WW Series

Solid Construction Walk-In / Drive-In Test Chambers

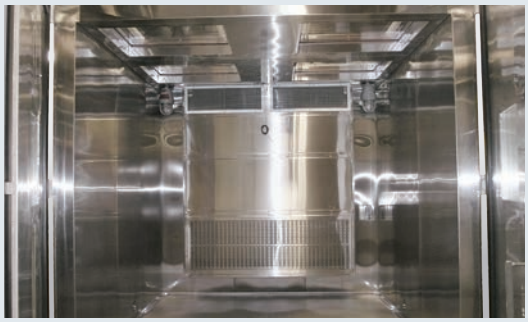
LEEF TECHNOLOGY

Engineered & Manufactured in the USA

www.weiss-na.com

Perfection in Performance, Equipment, and Design

The WW Series offers superior strength and durability. The smart engineered design allows you to get the most out of your testing. Welded floor with integrated perimeter sloped drains gives added testing performance. The continuously welded interior liner allows for wide temperature and humidity ranges. The one-piece construction makes for easy installation. Large chambers can be assembled from multiple sections on site.



Thermal Expansion Joints

Building Material Testing

Multi-Faceted Test Chambers
Combined Temperature/Humidity/Lights

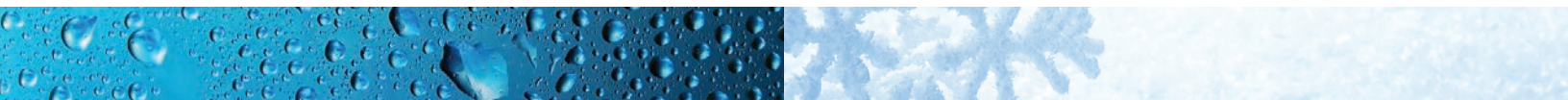
Continuous Heliarc Welded Leak Checked Liners

Features

- WebSeason Precise Controller
- LEEF® Technology available
- Up to 25°C/min change rates available
- High floor loading capacity (6,000 lbs./ft^2)
- Multiple plenum options for greater testing flexibility
- Ultra-bright halogen lighting system
- Custom window options available
- Engineered for prolonged soaks at high temperature & humidity (95°C/95%RH)
- Full opening bi-part entry doors
- Dual continuous gasket door seals
- Additional features available

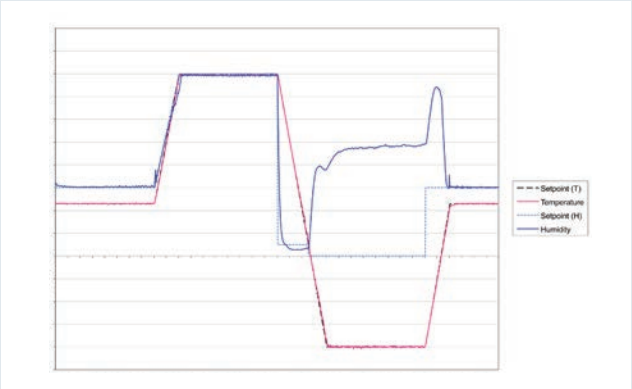
Solutions for Many Industries

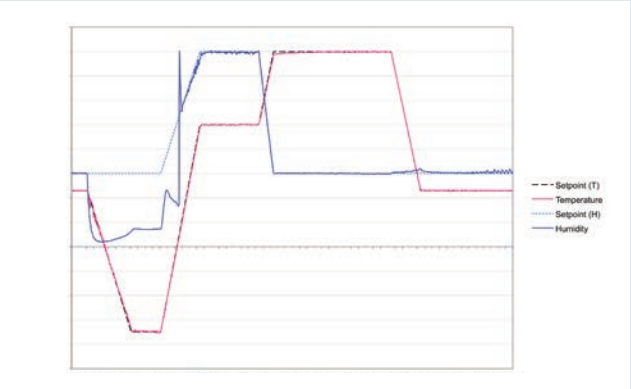
Automotive | Electronics | Aerospace | Life Sciences | Defense | Textiles



Even the Hardest Tests Are No Match

We know what matters for your tests: reliable, precise and reproducible results. That's why we design our test chambers to meet exactly these demands. Weiss Technik will work with you on designing and engineering an environmental test chamber to handle even the toughest of your requirements.





Testing profiles to fit your exact testing specifications and many industry and OEM standards including:
PV1200, PV2005, BMW 303.5, BMW 306.5, BMW 308.2, NES M0132 and many more

Custom Applications

Let our Application Engineers help find your solution. Weiss Technik is the global leader in custom application chambers. We will design a chamber that fits your exact testing requirements.

Reliable Controls & Software - Get the best out of your testing

WEB Season®

Program, Control & Monitor

- From anywhere on the globe
- Access from any device
- Precise controls
- Easy Touchscreen Control
- Real time multi user, multi language interface

S!M PATI®

For Optimum Operation

- Up to 99 systems can be controlled
- Store measured data
- Easily manage programs for production sequences and tests
- Control test sequences

S!M PATI® time labs

Never Miss a Moment

- View measured data and images simultaneously
- Compatible with any camera
- Data protected documentation
- Easy installation & operation

Pre-Engineered Chambers
Design & Performance

WW Series		WW / WWH420			WW / WWH512			WW / WWH1080			WW / WWH1728		
Plenum Type		Roll-Up Module											
Test Space Volume	Cubic Feet/Liters	420 / 11839			512 / 14498			1080 / 30582			1728 / 48932		
Test Space Dimensions	Width	72" (1829mm)			96" (2438mm)			120" (3048mm)			144" (3658mm)		
	Depth	120" (3048mm)			96" (2438mm)			144" (3658mm)			192" (4877mm)		
	Height	84" (2134mm)			96" (2438mm)			108" (2743mm)			108" (2743mm)		
Exterior Dimensions [4]	Width	84" (2134mm)			108" (2743mm)			132" (3353mm)			156" (3962mm)		
	Depth	132" (3353mm)			108" (2743mm)			156" (3962mm)			204" (5182mm)		
	Height	99" (2515mm)			111" (2819mm)			123" (3124mm)			123" (3124mm)		
Temperature Change Rate [1]	Heating Rate	1.5°C/min	3.5°C/min	9.0°C/min	1.0°C/min	3.5°C/min	8.5°C/min	0.5°C/min	1.5°C/min	3.5°C/min	0.5°C/min	1.0°C/min	2.5°C/min
	Cooling Rate	1.5°C/min	3.5°C/min	9.0°C/min	1.0°C/min	3.5°C/min	8.5°C/min	0.5°C/min	1.5°C/min	3.5°C/min	0.5°C/min	1.0°C/min	2.5°C/min
Temperature Range	Minimum	-70°C (-94°F)											
	Maximum	+180°C (+356°F)											
Humidity Range [2,3]		20%RH to 95%RH											

Performances are based on laboratory conditions at +24°C, 60 Hz, with cooling water inlet temperature and flow rate according to requirements. Performances at 50 Hz may vary.
Please consult with your local Sales Representative if your conditions vary.
Temperature ramp rates are average, not linear rates of change.
[1] Heating and cooling rates between +85°C and -40°C in a temperature only empty chamber; measured at the supply air
[2] Humidity ranges are limited by +4.5°C (+40°F) to +85°C (+185°F) dew point, extender ranges to 5%RH are available
[3] Humidity range is only applicable to WWH models
[4] All dimensions are nominal and may not include ancillary equipment attached to chamber as required
Custom sizes available

LEEF®

Top Performance with Accurate Results

With LEEF Technology option inside, WW Series provides unmatched performance in your testing requirements. With the patented technology, LEEF offers features that allow for:

- Up to 40% Energy Savings
- Accurate Control of Set Point
- Precise Testing Results
- Reduced CO_2 Emissions
- LOW GWP (Global Warming Potential) – R-449A Refrigerant

TECHNOLOGY

LEEF® TECHNOLOGY

LEEF - Leading Energy Efficiency Footprint

Learn more about all the benefits of LEEF Technology. See our Video, White Paper and Product Flyer at **www.weiss-na.com**

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Stand the test of time.

WNA/WWSERIES/AUG2018

A2LA ACCREDITED
CERT # 1276.01

Weiss Technik North America, Inc. Calibration Services are accredited by A2LA to ISO/IEC 17025

Quality System Registered to ISO 9001

Weiss Technik North America, Inc. Quality System is registered to ISO9001:2015