



High Performance • Advanced Technology

WP Series

Panelized Walk-In / Drive-In
Test Chambers



Engineered &
Manufactured
in the USA



www.weiss-na.com

Perfection in Performance, Equipment, and Design

The Weiss Technik WP Series walk-in/drive-in test chamber offers a modular construction, to facilitate move-in and installation. The WP Series is well suited for many testing applications and offers a wide selection of performance features.



Apparel Performance Testing



Airbag Testing



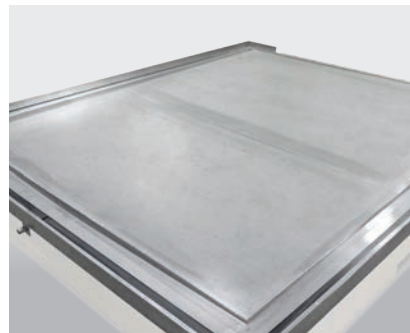
Custom Electronics Testing



Photovoltaic Cell Testing



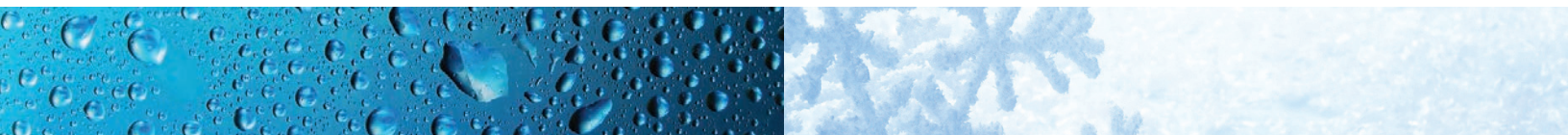
Full Vehicle Testing
Combined Temperature/Humidity/Lights/Dyno



6,000 lbs/ft² Solid Floor Loading
on WPH Models

Features

- WebSeason Precise Controller
- LEEF® Technology available
- Custom window options available
- Temperatures to 150° C (302° F) available
- Modular refrigeration system - easy to re-configure
- High floor loading capacity (6,000 lbs/ft²)
- Multiple plenum options for greater testing flexibility
- Clear access doors - easy loading/unloading
- Perimeter heated flush-type doors - eliminates frost
- Ultra bright halogen lighting system



Test Whatever You Like.

Seasonal differences, different climatic zones - your products must be able to withstand a variety of temperatures during manufacturing, transport, storage and use. The WP Series chambers help you to test the impact of temperature and humidity on the properties, function and lifespan of your products.

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 requirement.



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



Program, Control & Monitor

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



For Optimum Operation

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



Never Miss a Moment

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

Solutions for Many Industries



Automotive



Electronics



Aerospace



Life Sciences



Defense



Textiles

Pre-Engineered Chambers

Design & Performance

WP Series		WP / WPH338			WP / WPH534			WP / WPH1090			WP / WPH1740		
Plenum Type		Roll-Up Module											
Test Space Volume	Cubic Feet/Liters	338 / 9571			534 / 15121			1090 / 30865			1740 / 49271		
Test Space Dimensions	Width	78" (1981mm)			98" (2489mm)			121" (3073mm)			145" (3683mm)		
	Depth	78" (1981mm)			98" (2489mm)			144" (3658mm)			192" (4877mm)		
	Height	96" (2438mm)			96" (2438mm)			108" (2743mm)			108" (2743mm)		
Exterior Dimensions ^{1,6}	Width	86" (2184mm)			106" (2692mm)			129" (3277mm)			153" (3886mm)		
	Depth	86" (2184mm)			106" (2692mm)			152" (3861mm)			200" (5080mm)		
	Height	104" (2642mm)			104" (2642mm)			116" (2946mm)			116" (2946mm)		
Temperature Change Rate ²	Heating Rate	3.5°C/min	10.0°C/min	3.0°C/min	9.0°C/min	10.0°C/min	1.5°C/min	5.0°C/min	10.0°C/min	1.0°C/min	3.0°C/min	8.0°C/min	
	Cooling Rate	3.5°C/min	10.0°C/min	3.0°C/min	9.0°C/min	10.0°C/min	1.5°C/min	5.0°C/min	10.0°C/min	1.0°C/min	3.0°C/min	8.0°C/min	
Temperature Range ³	Minimum	-68°C (-90°F)											
	Maximum	+85°C (+185°F)											
Humidity Range ^{4,5}		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 Humidity chambers require a solid construction floor and add approximately 6" (152mm) in height

² Heating and cooling rates between +85°C and -40°C in an empty chamber; measured at the supply air

³ Custom chambers with temperatures up to 150°C (302°F) are available

⁴ Humidity ranges are limited by +4.5°C (+40°F) to +65°C (+149°F) dew point, extended ranges from 5% to 95% RH are available

⁵ Humidity range is only applicable to WPH models

⁶ All dimensions are nominal and may not include ancillary equipment attached to chamber as required

Custom sizes available

LEEF®

Top Performance with Accurate Results

LEEF Technology 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 CO₂ Emissions
- LOW GWP (Global Warming Potential) - R-449A Refrigerant



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

Weiss Technik North America, Inc.

4401 36th St. SE

Grand Rapids, MI 49512 USA

(616) 554-5020 • Fax: (616) 554-5021

www.weiss-na.com

24/7 Service Support Helpline: 1-800-361-6731

Join Us **LinkedIn**®

Stand the test of time.

WNA/WPSERIES/FEB2020



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



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

While every effort is made to have accurate information, Weiss Technik North America, Inc. is not responsible for typographical errors or omissions.