



TORONTECH

WALK-IN ENVIRONMENTAL TEST CHAMBER



Walk-in Environmental Test Chamber ToronWI™ -Series are designed to evaluate and store large components, assemblies, and finished products under specific temperature and humidity conditions, ensuring they meet performance standards.

APPLICATIONS

These Walk-in Environmental Test Chambers accommodate products requiring extensive testing or storage space. Applications include full vehicle evaluations, automotive components, solar panels, electronic parts, packaging, pharmaceutical stability studies, biological research, and various industrial uses.

Walk-in environmental chambers feature a thoughtfully engineered structure that prioritizes operational safety and long-term stability while enhancing energy efficiency.

A wide range of chamber options is available to suit diverse testing needs. Torontech also offers custom solutions tailored to the size and quantity of your samples.

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TECHNICAL SPECIFICATIONS

Model No.	ToronWI™-4	ToronWI™-8	ToronWI™-10	ToronWI™-15	ToronWI™-45	ToronWI™-55
Test Space Volume □ m³	4	8	10	15	45	55
Inner chamber size W×H×D(mm)	2000×2000×1000	2000×2000×2000	2040×2100×2100	2500×3000×2000	5000×3000×3000	5000×2200×5000
Temperature range	High Temp: 80°C, +120°C Low Temp: -60 °C, -50 °C, -40 °C , -30 °C, -20 °C , -10 °C, 0 °C					
Humidity range	20% to 98% RH					
Temp. & humidity fluctuation	±0.5°C/±2.5% RH					
Temp. uniformity	≤ 2.0°C					

Heating rate	+20℃~ +80℃ within 60 min
Cooling rate	+20℃~ -55℃, -40℃, -20 ℃ ,-10 ℃ within 120 or 90 or 60 min
Exterior chamber material	High-quality carbon steel with painting
Interior chamber material	SUS304 matte stainless steel plate
Insulation material	Rigid polyurethane foam insulation
Cooling mode	Water cooled
Controller	LCD Touch Screen Controller with PID control
Safety protection device	NFB(No fuse breaker), over pressure, over heat and over current protectors for compressor, over temperature protectors, over load protector of fan, dry heat protector,short of water protector
Standard accessory	Sight window*1, Cable port(portΦ100mm), LED Lighting device, Mobile Casters with foot cups
Ambient temp.	+5 to +35℃
Voltage	380V AC 3Ø 50Hz
Customization service	Non-standard or special requirements can be customized.



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