



CLIMATIC TEST CHAMBER

Torontech offers a comprehensive range of Climatic Test Chamber designed to provide precise, reliable, and versatile environmental testing for a variety of industries. With advanced features, customizable configurations, and adherence to stringent quality standards, Torontech ensures your products meet performance expectations under real-world environmental conditions.

Our offerings range from budget-friendly benchtop models to large walk-in chambers, accommodating everything from small samples to vehicles and large-scale assemblies.

Why Choose Torontech?

Torontech North America stands out in the market with top-notch quality, competitive pricing, and extended warranties. Unlike many overseas products, Torontech chambers are engineered for reliability and backed by exceptional customer support. Our competitive edge includes:

1. Advanced technology with precise control systems for consistent testing.
2. A wide range of customizable options, from benchtop models to walk-in chambers.
3. Price competitiveness without compromising on quality or performance.
4. Extended warranties and local technical support for added peace of mind.
5. Compliance with stringent industry standards across all models.

Whether you're looking for Thermal Shock Chambers, Battery Test Chambers, Rain Test Chambers, Sand and Dust Test Chambers, Temperature and Humidity Test Chambers, or Accelerated Weathering Test Chambers, Torontech has the perfect solution. Contact us today to learn more about our wide range of Climatic Test Chamber and how they can meet your specific testing needs.

APPLICATIONS

Torontech's Climatic Test Chamber cater to a wide range of industries, including:

1. **Automotive:** Testing components, sensors, and interiors for performance under extreme conditions.
2. **Electronics:** Ensuring the reliability of devices, enclosures, and PCBs in various environments.
3. **Aerospace:** Simulating high-altitude and extreme climatic conditions for avionics and structural components.
4. **Energy:** Assessing solar panels, wind turbines, and battery systems for resilience.
5. **Pharmaceuticals:** Stability and shelf-life testing of drugs and vaccines.
6. **Textiles and Construction:** Testing fabrics, coatings, adhesives, and construction materials.

Industry Standards and Compliance

Torontech's Climatic Test Chambers adhere to global standards, ensuring accuracy and reliability:

1. **ISO 16750, IEC 60068, MIL-STD-810** for environmental testing in automotive and defense sectors.
2. **ASTM D4332, ICH Q1A** for pharmaceutical and packaging stability tests.
3. **IEC 60529, ISO 20653** for ingress protection testing.

FEATURES

In addition to general temperature and humidity test chambers, Torontech's portfolio includes:

1. Thermal Shock Chambers

Designed to simulate rapid temperature changes, these chambers are ideal for evaluating the durability and reliability of products subjected to sudden thermal cycling. Industries like automotive, electronics, and aerospace use thermal shock chambers to test components for expansion, contraction, and material integrity under extreme conditions.

2. Battery Test Chambers

With the growing demand for battery-powered devices, Torontech's Battery Test Chambers are specifically engineered to ensure the safety, performance, and longevity of lithium-ion and other battery types. These chambers simulate various environmental conditions, including extreme heat, cold, and humidity, to meet industry-specific standards such as IEC 62660 and UN 38.3.

3. Rain Test Chambers

Torontech's Rain Test Chambers are built to simulate rain and water spray conditions to assess product resistance to water ingress. These chambers meet IPX standards, including IPX1 to IPX9K, ensuring suitability for automotive, electronics, and construction material testing.

4. Sand and Dust Test Chambers

Designed to simulate environments with sand and dust, these chambers are critical for industries like automotive, aerospace, and defense. Torontech's Sand and Dust Test Chambers comply with standards such as IEC 60529 and MIL-STD-810, ensuring the durability and performance of products in harsh conditions.

5. Accelerated Weathering Test Chambers

For industries requiring long-term exposure simulations, Torontech's Accelerated Weathering Test Chambers provide UV, heat, and moisture exposure in a controlled environment. These chambers are essential for testing materials like plastics, paints, and coatings against standards such as ASTM G154 and ISO 4892.



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