



TORONTECH

RAIN TEST CHAMBER - IPX WATER SPRAY TEST CHAMBER



Rain Test Chambers and Water Spray Test Chambers IPX Series

Torontech is proud to introduce its cutting-edge Rain Test Chambers and Water Spray Test Chambers, specially designed to meet the growing demands of testing equipment and materials for water resistance. Our Toron-IPX Series Chambers offer precision and reliability, ensuring compliance with international standards and providing an efficient solution for testing under simulated rain and water spray conditions.



What is an IPX Chamber?

An IPX Chamber is a specialized testing instrument used to evaluate the water resistance of products across various industries. These chambers simulate controlled rain, spray, and splashing conditions to determine a product's ability to withstand exposure to water. IPX tests are critical for ensuring the durability and reliability of products used in outdoor, industrial, and aquatic environments.

Applications of Rain and Water Spray Test Chambers

Torontech's Rain Test Chambers and Water Spray Test Chambers are designed to serve a diverse range of applications, including:

1. Consumer Electronics: Testing water resistance of devices like smartphones, smartwatches, and cameras.
2. Automotive Industry: Ensuring headlights, wipers, and vehicle exteriors meet water ingress standards.
3. Textile and Apparel Testing: Verifying waterproof and water-resistant properties of fabrics.
4. Construction Materials: Assessing water permeability of coatings, sealants, and roofing materials.
5. Marine Equipment: Ensuring water-resistant performance for marine electronics and safety equipment.

Understanding IPX Codes

IPX codes, part of the Ingress Protection (IP) rating system, define levels of protection against water ingress. Torontech's IPX Chambers are capable of performing tests for various IPX levels, including:

1. IPX1 to IPX2: Drip testing to simulate vertical water drops.
2. IPX3 to IPX4: Testing against water spraying or splashing from any direction.
3. IPX5 to IPX6: High-pressure water jets and heavy rain simulations.
4. IPX7 to IPX8: Submersion tests to evaluate water ingress under immersion conditions.
5. IPX9K: High-temperature, high-pressure water jet testing. This rigorous test ensures protection against close-range, high-pressure, and high-temperature water jets, making it ideal for products in automotive and industrial environments.

Industry Standards

Our IPX Series Chambers are built to comply with a wide range of industry standards, including:

1. IEC 60529: Degrees of protection provided by enclosures (IP Code).
2. ISO 20653: Protection of electrical equipment against foreign objects and water.
3. ASTM D951: Standard test for water resistance of coatings.
4. MIL-STD-810: Environmental engineering considerations and laboratory tests for military equipment.

Features of Torontech's IPX Rain Test Chambers

Torontech's Rain Test Chambers and Water Spray Test Chambers offer advanced features that set them apart:

1. Precise Water Flow Control: Adjustable water flow rates to simulate different levels of exposure.
2. Customizable Nozzles and Rigs: Simulate various water spray patterns, intensities, and high-pressure jets for IPX9K testing.
3. Durable Construction: Corrosion-resistant materials ensure long-term reliability.
4. Advanced Control Systems: User-friendly touch screens for programmable test cycles and real-time monitoring.
5. Wide Range of Sizes: From compact benchtop models to large chambers for industrial applications.

Why Choose Torontech's IPX Series?

Torontech offers a competitive range of Rain Test Chambers, Water Spray Test Chambers, and IPX9K Chambers tailored to meet the specific needs of industries worldwide. With our focus on precision, reliability, and compliance, you can trust Torontech to provide solutions that enhance the durability and performance of your products.

Our expertise in water ingress testing ensures that you receive the best IPX Chamber to meet your requirements, whether for R&D, quality control, or compliance testing.

Explore Torontech's range of Rain Test Chambers, Water Spray Test Chambers, and IPX Chambers, including models capable of rigorous IPX9K testing. Contact our experts to find the perfect solution for your water resistance testing needs.



Torontech Inc.

251 Consumers Road, Suite 1200
Toronto, Ontario, M2J 4R3, Canada 

Phone: +1 416 368 2721 | Fax: +1 416 981 7652
Email: info@torontech.com

Torontech, LLC

601 Brickell Key Drive, Suite 700
Miami, FL 33131, USA 

Toll-Free: 1-866-383-7919
Email: sales@torontech.com

Torontech ME FZE

Meydan Grandstand, 6th Floor,
Meydan Road, Nad Al Sheba,
Dubai-261440, UAE 

Phone: +971 488 19252
Email: me@torontech.com

