



Icing & Freezing Rain (IFR) Chamber

ENVIRONMENTAL TEST CHAMBERS

The Icing & Freezing Rain Chamber satisfies all test parameters and requirements for the **MIL-STD 810H (Method 521.4) Icing/Freezing Rain**

Features

- ❖ Automated or Manual Single Sliding Insulated Door
- ❖ Propylene Glycol with Freeze Protection to -30°C
- ❖ Auto Drain or Filtered Circulation Processes
- ❖ Automated Rotating Table for even Ice Distribution
- ❖ Stainless Steel Table with 1,400 lb Capacity
- ❖ HMI Data Recording System
- ❖ Slip Ring RTD Test Item Temperature Sensor at Test Item
- ❖ Multiple Spray Pumps/Nozzles for different Ice Requirements
- ❖ LED Interior Lighting
- ❖ PLC Automated Process Control

OPTIONAL ITEMS

1. ICE THICKNESS RECORDER
2. PORTABLE/CONTAINERIZED SYSTEM DESIGN AVAILABLE
3. OPTIONAL ADD ON PROCESSES: MIL-STD 810H506.6, PROCEDURE I AND III, UL50 RAIN TEST, MIL-STD 810H METHOD 524.1 FREEZE/THAW

Method 521.4, Icing and Freezing Rain	
Velocity Range	1 – 3 m/s
Air Temperature Range	-30°C to 32°C
Water Temp Range	1°C to 5°C
Ice Accumulation Range	10 – 12 mm per hour
Table Rotation Speeds	1 to 17 RPM
Power & Air Requirements	Voltage – 480V/3PH/60Hz, 360FLA Compressed Air – 20 SCFM @100 PSI

All products proudly manufactured in the U.S.A.