



## Rain Chamber

### ENVIRONMENTAL TEST CHAMBERS

The Rain Chamber will satisfy test parameters and requirements for **MIL-STD 810H Method 506.6 Procedure I (Rain & Blowing Rain) & III (Drip)**, as well as **Method 521.4 (Icing/Freezing Rain)**

#### Features

- ❖ Fully Welded Stainless Steel Test Chamber
- ❖ Customizable Levels of Automation
- ❖ Rotating Table 1 to 17 RPM
- ❖ Laser Distrometer for droplet size, rate, and velocity
- ❖ HMI Data Recording System
- ❖ Adjustable Drip Plate and Rain Dispenser
- ❖ Laminar Air Flow Design
- ❖ LED Interior Lighting
- ❖ Stainless Steel Distribution Nozzles
- ❖ Silver Solder Piping
- ❖ Automated Rime and Glaze Ice Production

#### OPTIONAL ITEMS

1. CAN BE DESIGNED FOR ONE OR ALL TEST CAPABILITIES WITH THE OPTION TO ADD THE OTHER TEST CAPABILITIES IN THE FUTURE
2. ICE THICKNESS RECORDER
3. OPTIONAL ADD ON PROCESSES: UL50 RAIN TEST, MIL-STD 810H METHOD 524.1 FREEZE/THAW
4. SYSTEM DIMENSIONS CAN BE CUSTOM DESIGNED

	Rain & Blowing Rain	Icing & Freezing Rain	Drip
<b>Wind Velocity Range</b>	0 – 18m/s (40 mph)	1 – 3 m/s	N/A
<b>Temperature Range</b>	-30°C to 32°C		
<b>Water Delivery Rate</b>	26.84 Gallons per hour	1 inch per hour	3.5 – 7 gal/ft <sup>2</sup> /hr
<b>Droplet Size</b>	500 µm – 4,000 µm	1000 µm – 1,500 µm	500 µm – 4,000 µm
<b>Ice Thickness</b>	N/A	0.25 – 3 inches	N/A
<b>Power &amp; Air Requirements</b>	Voltage – 480V/3PH/60Hz, 360FLA Compressed Air – 20 SCFM @100 PSI		

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