

"... AN ICE STORM OR THE EFFECTS OF BLAZING SUNSHINE..."

ESL MAIN

CLIMATIC

CORROSION

DYNAMIC

FACILITIES

MATERIALS

PACKAGE

PRESSURE

# CLIMATIC TESTING

The Environmental Simulation Lab operates chambers in a wide variety of sizes and configuration to meet your climatic testing requirements. We can take your product from the hot, humid conditions of the tropics to the cold dry conditions of the arctic in seconds. We can tell you how well it will survive a driving rainstorm, an ice storm or the effects of blazing sunshine.

## ***Temperature:***

- Chambers in sizes from 1 to 23 m<sup>3</sup>
- Temperatures from -73°C to +200°C
- Change rates to over 10°C / min

## ***Thermal Shock:***

- Two zone vertical transfer up to 0.6 m<sup>3</sup>
- -73°C to +200°C in seconds
- Larger items by 2-chamber method



### ***Icing / Freezing Rain:***

- MIL-STD-810E, Method 521.1
- Up to 2 m x 2 m test area.

### ***Solar Radiation:***

- MIL-STD-810E, Method 505.3
- 1120 W/m<sup>2</sup> over a 1.2 m diameter area.

### ***Rain / Water Tightness:***

- Driving rain to 50 cm/hr with up to 125 km/hr wind over a 1.2 m x 1.2 m area
- MIL-STD-810 E Drip method
- Immersion up to 30,000 ft
- Various spray or hose-down methods including steam cleaning & pressure wash



### **Contacts:**

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