CYCLIC CORROSION TEST CHAMBER

Manufacturer: Ascott

Type/Model: CC1000xp

Chamber Capacity: 1000 Liters/35.3 cu ft

Condensation humidity mode:

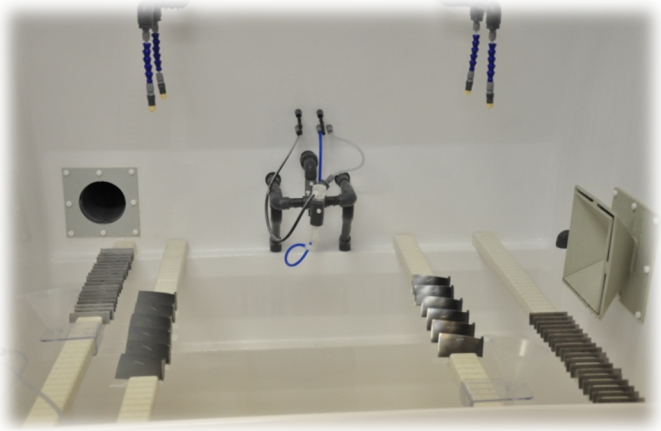
- **Temperature Range:** Adjustable from ambient to +50°C/+122°F
- **Humidity Range:** Fixed at 95% - 100% RH

Salt spray mode:

- **Temperature Range:** Adjustable from ambient to +50°C/+122°F
- **Salt fog fall-out rate:** Adjustable from 0.5 to 3.0ml per 80cm^2 per hr

Air drying mode:

- **Temperature Range:** Adjustable from ambient to +70°C/+158°F
- **Humidity Range:** Uncontrolled



Applications:

- **ASTM D2247 Condensation Humidity Specification**
- **ASTM D1735 Water Fog Humidity Specification**
- **ASTM B117 Salt Spray/Mist/Fog**
- **ASTM B287 Salt Spray/Mist/Fog**
- **ASTM B368 Salt Spray/Mist/Fog**
- **ASTM G43 Salt Spray/Mist/Fog**
- **ASTM G85 Annex A1-A5 Salt Spray/Mist/Fog**
- **ASTM G5894 Salt Spray/Mist/Fog**
- **SAE J 2334 Cyclic Corrosion Test Specification**
- **NOTE: THESE ARE THE US SPECIFICATIONS ONLY BUT THE EQUIPMENT IS ABLE TO PERFORM OTHERS**

The Cyclic Corrosion chamber has the capability of applying a corrosive spray, mist, or fog to a material with adjustable mixtures. This chamber can simulate and accelerate natural corrosive agent's effects on materials. Corrosion testing is vital for components that will be subjected to harsh abrasive/salty environments. The key advantage of the chamber is accelerating the corrosive effects on a material to shorten test time. Flow rate of the corrosive agent can be adjusted to meet specific test standards or RFAL has the capability of implementing a custom test. Upon the completion of a test RFAL has the microscopic capability to examine the effects that the corrosion test had on the object.