

Salt Spray Test Chamber



A Salt Spray Test Chamber, also called a Salt Fog Test Chamber or Salt Spray Tester, is a laboratory instrument that creates a controlled saline mist to evaluate the corrosion resistance of materials. It speeds up the corrosion process, so you can check in hours or days how a product would perform after years in a salt-laden environment.

The Presto Enviro Salt Spray Tester has a sealed test chamber and a precision spray nozzle system for conducting the Neutral Salt Spray (NSS) test. It keeps temperature and salt solution concentration stable in line with ASTM B117 and JIS Z 2371 standards, so your results stay consistent and repeatable. It is widely used to test metals, plated parts, paints, coatings, and surface treatments for rust and corrosion.

The chamber comes with an HMI touchscreen with PID temperature control, a corrosion-resistant PT-100 sensor, a triple-wall insulated body, and USB data retrieval. This makes testing simple and accurate, from small labs to large production units.

Features

- Ensure precise temperature control with a corrosion-resistant PT-100 sensor.
- Effortlessly navigate program profiles and adjust test parameters via the intuitive touchscreen display.
- Enjoy user-friendly access and streamlined data management capabilities.
- Experience superior insulation with a triple-walled body reinforced with fiber, minimizing heat loss.
- Easily place samples within the test chamber using clearly defined methods.
- For the 250 Ltr. model, benefit from a pneumatically operated canopy for added convenience.
- Ensure clarity post-test with an air purge system designed to settle fog before opening the chamber.
- A reservoir tank with a sponge filter is installed inside for the salt solution.
- Retrieve test data effortlessly with the USB option.

Specification

Specification	Details
HMI Touchscreen Display	Effortlessly navigate operations and monitor performance
Chamber Temperature Range	Ambient to 40°C
Test Chamber Temperature Stability	35°C ± 2°C
Power Requirement	220V, single phase, 50 Hz, 15 A
pH Adjustment Range	6.5 to 7.2 pH
Elapsed Time Tracking	Inbuilt 6-digit timer (Hour meter)
Test Air Pressure Range	0.7Kg/cm ² to 1.2Kg/cm ²