

CASS Cum Salt Spray Test Chamber



A programmable temperature humidity chamber simulates different climatic conditions through automatically controlled temperature and humidity cycles. It helps manufacturers identify product weaknesses, assess material stability, and maintain consistent product quality.

Presto Enviro provides innovative programmable temperature-humidity chambers for applications in testing labs, research centers, and quality control in different industries. The top features of the programmable machines are adjustable test criteria, secured automated operating procedures, and high standards in environmental control to conduct consistent tests according to users' product specifications.

Programmable temperature humidity chamber machines are an integral part of the modern manufacturing industry and they are used to test the reliability of a product under different moisture, heat and cold levels. The primary purpose is to identify faults in materials, analyze product stability and guarantee product quality in production. The common applications of these programmable chambers are in electronics, automobiles, electrical devices, plastics, polymers, pharmaceutical packaging and aircraft.

Key Features

- HMI-based Touchscreen Model
- Inbuilt temperature settings
- Salt Spray Test mode enabled to set parameters according to test sample
- Temperature setting and Preset Timer functions incorporated in HMI for accuracy and repeatability
- Corrosion Resistant PT-100 sensor
- Solid-state digital Programmable Temperature Controller
- Program profile for selecting test parameters and performing the test.
- Easy Data Management. Users can create PID settings, Air Saturator settings, test temperature, test and air purge time, etc.
- Current test running status display
- Robust Construction with Fiber reinforced body (Triple wall)
- Ease of use of sample placements inside the test chamber
- Pneumatically operated canopy**(only for 250 Ltr. Model)
- Air purge after test for fog settlement.
- Microprocessor-based inbuilt PID controller
- Reservoir Tank in side sponge filter Available
- Auto Tuning feature selection

Technical Specification

Specification	Details
Display	7" TFT LCD color screen with HMI-based touchscreen
Chamber Temperature Range	Ambient to 60°C
Test Chamber Temperature Stability	49°C ± 2°C
Temperature Adjustment Resolution	0.1°C
Chamber Temperature Repeatability	+1°C
Air Saturator Temperature Range	Ambient to 65°C
Air Saturator Temperature Resolution	0.1°C
Air Saturator Temperature Repeatability	±2°C
Power Supply	220V, single phase, 50 Hz, drawing 15 A
Temperature Control	PID temperature controller
Elapsed Time Tracking	6-digit hour meter
Test Air Pressure Range	0.7Kg/cm ² to 1.7Kg/cm ²
Air Pressure Adjustment	Air regulator, capable of handling 0 to 30 psi