

# Presto Cyclic Corrosion Salt Spray Chamber



**3 Years Warranty  
on Chamber Body**



**Model No. CCT-250**

**Registered Design No. 244580**

Presto Cyclic Corrosion Salt Spray Chamber – Worlds most Interactive and versatile corrosion test systems range available, synthesizing salt spray with other environmental conditions such as controlled humidity, ambient drying, air drying, dwell cycle and wetting / condensation.

Presto Cyclic Corrosion Salt Spray Chamber models will perform the neutral salt spray tests, along with in addition these CCT models are loaded with extra features which enables users to perform intense 'modified' tests such as those explained in ASTM G85. In this the conventional salt spray is often programmed with multiple climate, in a multi-stage cycle, to intensify the test. Some Test Cycles Names - Salt spray and Wetting / Condensation Humidity (SWAAT) or Salt spray and Air drying (PROHESION).

- 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. User 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 inside sponge filter available
- Auto Tuning feature selection
- Run time vs temperature graph
- Data recording with temperature data reading
- USB option available (Pen drive is not a part of supply)
- Option available to set PV and SV value
- User can control PID settings through Advanced Hysteresis setting
- Angle of Canopy maintained in order to restrict flow of droplets directly on the test sample.

## **New Innovative Add On features in Presto Salt Spray Chambers that make it Class Apart.**

- Ethernet Connectivity- to connect with other devices using LAN and internet.
- Also to connect any computer or other electronic devices to its network as long as the device has an Ethernet adapter or network card.
- Built-in VNC server that allows remote monitoring and operating of the HMI functions via VNC Client APP (Windows, iOS, Android)
- Web Monitoring through which allows direct monitoring of register data via web -page, and requires no additional software I installation
- Alarm Notification-Automatically sends out alarm notification emails to logged-in recipients when alarms occur and supports the Secure Sockets Layer (SSL) protocol to ensure safe data transmission.
- 10 Preset Timers-**TIMERS WILL TAKE CARE OF YOUR SAMPLE TIMINGS**
- Option to interchange HMI fonts between HINDI and ENGLISH for Operator convenience to operate and access database using Hindi Language.



**Key Specifications:**

Display	HMI Based touchscreen 7" TFT LCD Color screen
Chamber Temp Range	Ambient to 40°C
Test Chamber Temperature Range	35°C ± 2°C
Chamber Temperature Least Count	0.1°C
Chamber Temperature Repeatability	± 2°C
Air Saturator Temperature Range	40°C - 49°C
Air Saturator Temperature Least Count	0.1°C
Air Saturator Temperature Repeatability	± 2°C
Power	220V, Single phase, 50 Hz, 15 A
pH value of Salt Solution	6.5 to 7.2 pH
Temperature Control	Inbuilt PID Temperature Controller
Timer (Hour meter)	6 digits
Test Air Pressure	0.7Kg/cm <sup>2</sup> - 1.2Kg/cm <sup>2</sup>
Air Regulator	0 to 30 psi

**Highlights:**

Air Saturator water Level low alarm	Yes
Fog Collection Funnel	1
Air Purge	Auto/Manual
Air Saturator Auto Refilling	Yes
Material	Fiber Glass
Over Temperature Alarm	Yes
Reservoir float valve	Yes

\* Compressed Air requirement : Approx 7 cfm (Air Compressor not part of supply)  
Main air line pressure regulator with filter in customer scope.

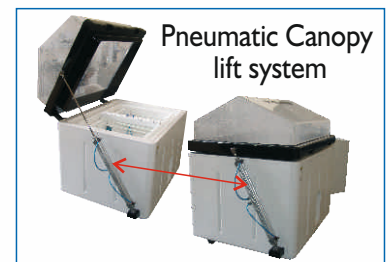
**Optional:**

- Online pH meter.
- Table top pH meter.
- Humidity indicator and sensor stand alone.

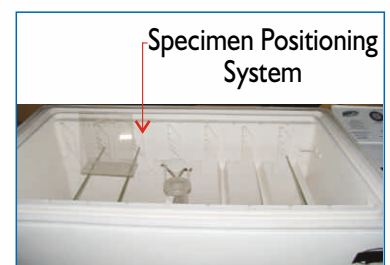
MODEL	Internal Size (in mm)	External Size (in mm)
Cyclic Corrosion Chamber 250 *	800x500x550	1970x990x1240
Cyclic Corrosion Chamber 450	1000x700x750	2200x1150x1550
Cyclic Corrosion Chamber 1000	1600x700x800	2750x1170x1650

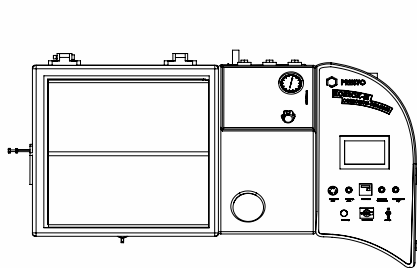
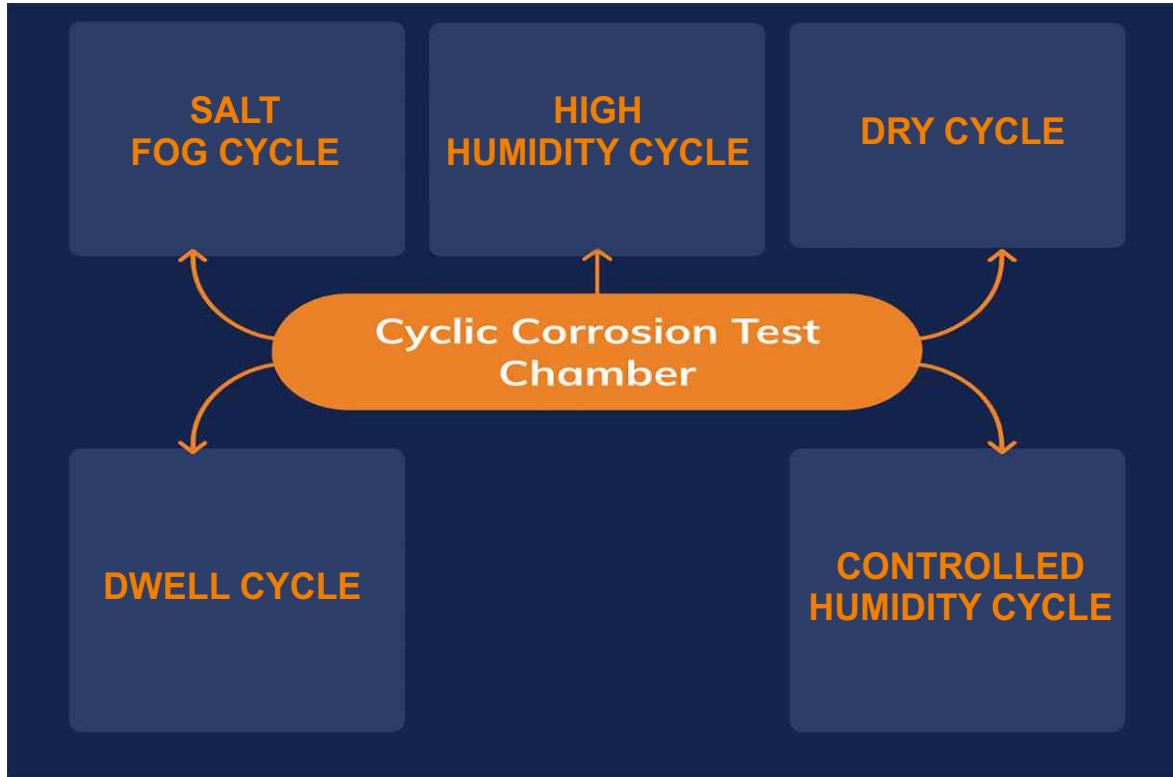


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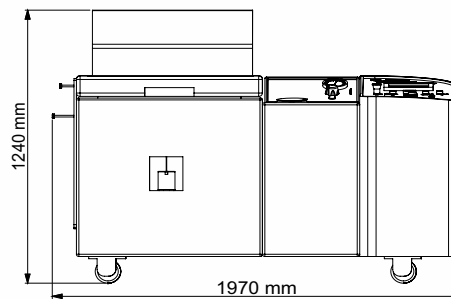


\* available with only 250 liter model

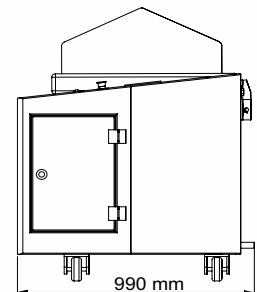




Top View



Front View



Side View

- Dimension for 250 liter model.

Thank you customers for choosing us as your partners in growth !



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