

Salt Spray Chamber HMI Model



Machine Front View



Control Panel

Salt Spray Chamber

The **Effective** Salt Spray (Fog) Tester has been strictly designed as per the relevant standard to assess the ability of rust proofed components to withstand corrosion due to atmospheric conditions. It is Double Walled with fiber reinforced proof inner and outer body with glass wool insulation. Chamber design comes under standard ASTM B117 & other standards related to humidity test and salt spray test.

Key Specifications:

Display	HMI Based touchscreen 7 "
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 ² - 1.2Kg/cm ²
Air Regulator	0 to 30 psi

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.

Highlights:

Air Saturator water Level low alarm	Yes
Fog Collection Funnel	1
Door Opening	Hydraulic
Air Saturator Auto Refilling	Yes
Material	Fiber Glass
Over Temperature Alarm	Yes
Reservoir float valve	Yes