

## Salt Spray Corrosion Test Chamber

### APPLICATIONS & KEY FEATURES

Whether you are new to corrosion atmosphere testing or have been conducting testing for years, we present Salt spray chambers or Salt Fog Chambers that are not only easy to use and maintain but also provide the accuracy and flexibility necessary to meet today's demanding corrosion test procedures including Salt Spray Test, Condensation Water Test and Cyclic Corrosion Test. These machines create three types of manually adjusted environment; salt spray, high humidity and air drying at any given temperature within the chamber. Any combination of these environments can be programmed, in any order, to form a corrosion cycle. Such a corrosion cycle can be automatically repeated a predetermined number of times.

Our models meet the requirements of basic, continuous salt spray tests conducted at a single temperature only, such as ASTM B117 and similar international test standards, and may be used with pH neutral salt solutions (NSS) or those acidified by the addition of Acetic Acid (ASS), Seawater Acidified Test (SWAAT) or Cupric Acid (CASS). Models above 480 Liters of capacity are ideal for Cyclic Corrosion Cabinet (Cyclic Corrosion Chamber).

In Laboratories corrosion tests are used extensively for selection of materials and their surface protection. Our Corrosion box chambers are what you need to predict corrosion resistance of materials such as paints and coatings and are designed and developed to meet the widest possible range of industry standards:



### Specifications:

Model	APS-SSC-100	APS-SSC-250	APS-SSC-450	APS-SSC-1000
Capacity	100 Liters	250 Liters	450 Liters	1000 Liters
Brine tank capacity	15 Liters	25 Liters	40 Liters	50 Liters
Test Types	NSS + CASS Test			
Temperature Range	35°C to 55°C			
Temperature Fluctuations	≤ ± 0.5°C			
Temperature Uniformity	≤ ± 2°C			
Temperature Precision	± 1°C			
Test Chamber Temperature	Salt Spray Method (NSS ACSS)		35°C	±1°C
	Corrosion-resistant Testing Method(CASS)		50°C	±1°C
Saturated air Barrel Temperature	Salt Spray Method (NSS ACSS)		47°C	±1°C
	Corrosion-resistant Testing Method(CASS)		63°C	±1°C

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Brine Temperature	35°C ±1°C, 50°C ±1°C
Spray Quantity	1.0 to 2.0 ml / 80cm <sup>2</sup> / hr
Air pressure	1.00 ± 0.01kgf/cm <sup>2</sup>
pH Control Range	Salt Spray Method (NSS ACSS) 6.5 to 7.2 Corrosion-resistant Testing Method (CASS) 3.0 to 3.2
Nozzle	Glass Nozzle (Made in Germany)
Timer	0 to 9999 (H. M. S.)
Construction	Double walled corrosion resistant FRP
Internal Chamber	Corrosion Resistant FRP
Insulation	High density ceramic wool
Lid Cover	Acrylic Sheet / PVC w/ Pneumatic Operation
Display	LCD Display w/ Backlit
Control Panel	Basic PID Controller OR LCD Touch Screen Interface, PLC Based Control Panel
Atomizer	Glass /Acrylic (non-reactive to salt solution)
Air Regulator	Precise regulator w/ gauge ranging from 0 - 30 psi
Drainage	Solution and water drain out tap
Caster Wheel	Revolving Type (Optional)
Power Supply	220 / 230 / 240 Volts