



MS-60M/90M/120A Salt Spray Test Chamber



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Feature and Application



Product Feature

- Keypad operation.
- Automatic lid opening (optional) and manual lid opening.
- Customizable working chamber dimensions.
- The laboratory chamber is made of 5 mm thick PVC (polyvinyl chloride) sheet, with temperature resistance up to 80°C.
- The transparent sealing cover adopts 6 mm thick impact-resistant acrylic sheet for convenient observation of test samples.
- Equipped with high-pressure resistant PP barrel with excellent thermal insulation performance.
- The heating system uses imported stainless steel finned heat dissipation tubes and U-type electric heaters for air heating.
- The sample rack is a flat indexing rack with freely adjustable angles to ensure uniform fog deposition and exposure on all parts of specimens.
- The nozzle is made of special glass, capable of adjusting spray volume and spray angle.
- Uniform atomization of salt water to prevent clogging caused by crystal precipitation.
- Adopts automatic water replenishment system with automatic water filling function in case of low water level.
- Digital display temperature controller with PID control, accuracy error $\pm 0.3^{\circ}\text{C}$.
- Liquid expansion safety temperature controller for heating tank and saturation air barrel, ranging from 0~120°C.
- Digital display timer: 0.1s~9990h.
- Timer: 0~9990h.
- Illuminated rocker lock switch, capable of continuous locking for 20,000 times.
- Supports three test methods: Neutral Salt Spray test (NSS), Acetic Acid Salt Spray test (ACSS), Copper-Accelerated Salt Spray test (CASS).
- Multiple protection devices: automatic power-off upon low water level, automatic power-off upon over-temperature, safety warning light device.
- Compliant with the following standards: GB/T 2423, GB/T 10587, GB/T 12967, GB/T 10125, ISO 9227, ASTM B117, etc.

Feature and Application

Product Application

- Automotive parts .
- Test the performance changes of core automotive components such as engine brackets and chassis bolts after exposure to corrosive media including rainwater and road salt, so as to guarantee service life and safety of products.
- Electrical and electronic products.
- Ensure that electronic components and electrical equipment can operate normally in marine climate and high-humidity industrial environments without faults such as short circuit and poor contact.
- Hardware and electroplated products .
- Test the corrosion resistance of hardware products to quickly determine the quality of protective coatings.



Product Structure



1.Sealing Cover

2.Control Panel

3.Temperature Indicator

4.Salt Spray Sediment Collector

5.Pressure Regulating Valve



1.Laboratory Temp

2.Low Water Level Alarm Indicator Light

3.Pressure Tank Temp

4.Program Timer

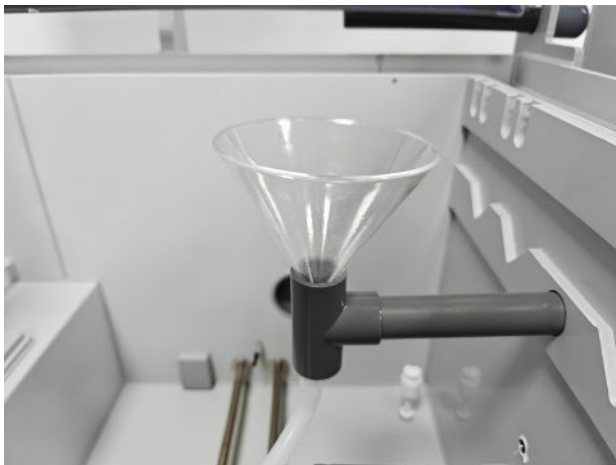
5.Timer

6.Control Switch

Product Detail



- Laboratory wet and dry bulb temperature indicator, for real-time monitoring of operating temperature and relative humidity inside the salt spray test chamber.



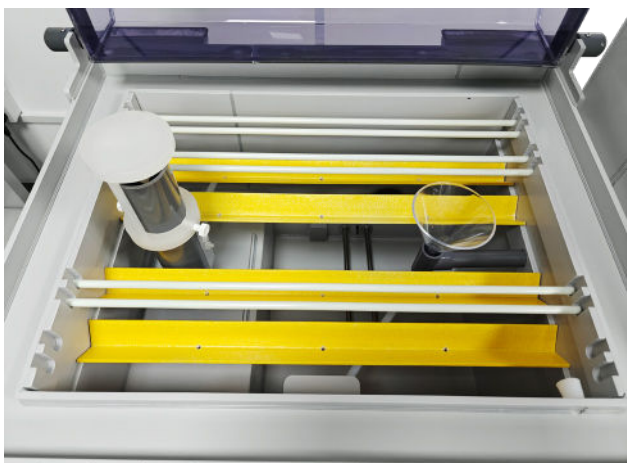
- Salt spray collection funnel, to be used together with a graduated glass measuring cylinder underneath.
- It collects and measures settled salt spray within the chamber to verify whether the salt spray sedimentation rate meets test standards.

Product Detail



- Spray pressure regulating device, which adjusts spray pressure to the specified range in accordance with test standards.
- Calibrate pressure gauge readings regularly to ensure long-term stable operation of the spray system.

- Built-in high-efficiency spray generator, delivering uniform and fine atomization, consistent salt spray distribution inside the chamber and stable sedimentation up to standard requirements.



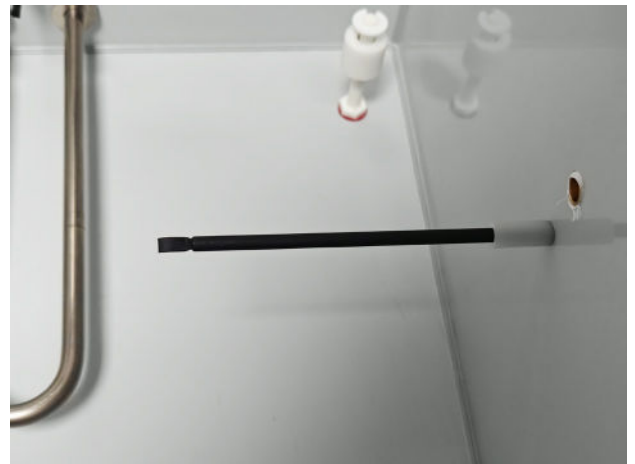
- The specimen rack adopts a plane indexing rack with adjustable angles, ensuring consistent fog deposition and fog exposure on all four sides.
- Large loading capacity for test specimens.

Product Detail



- The heating system adopts imported stainless steel finned heat dissipation tubes; U-TYPE electric heaters heat the air.

- PT100 high-precision temperature sensor is deployed for real-time internal temperature monitoring and automatic constant-temperature control, with low temperature fluctuation and high control accuracy.

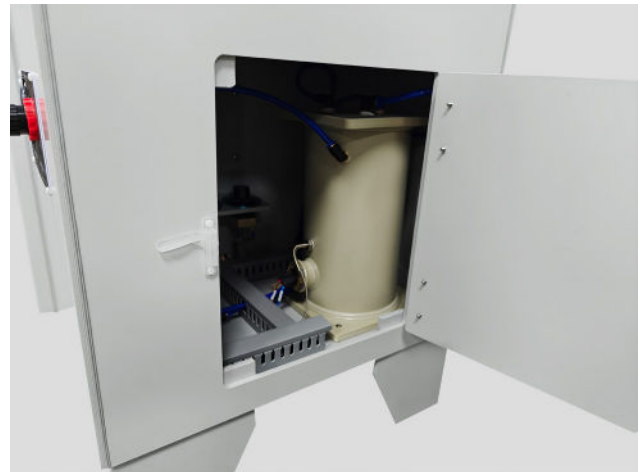


- Liquid level sensing structure is adopted to detect water level variations in real time and ensure continuous and stable operation of the salt spray system.

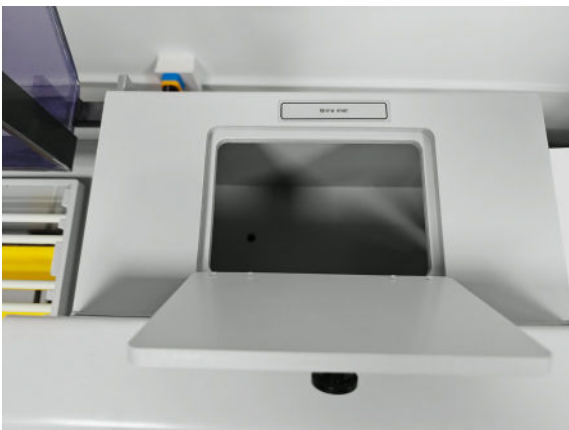
Product Detail



- Corrosion-resistant spray pipeline design enables sufficient mixing of salt solution and air to create a uniform fine salt spray environment, satisfying the requirements of long-term continuous salt spray corrosion tests.



- Access openings are reserved at both the top and bottom of the equipment for convenient routine maintenance.



- Salt solution inlet and pressure tank water filling port.
- For convenient replenishment of salt solution and water.

Product Detail



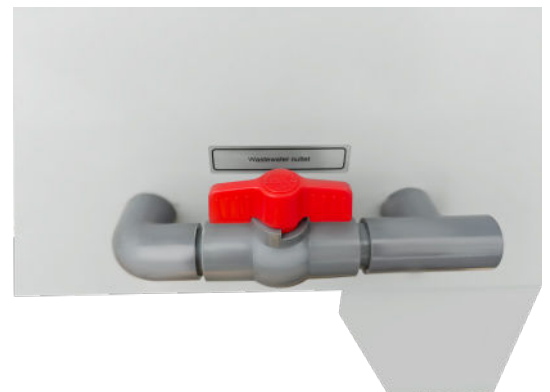
- Automatic water replenishment interface. When connected to a water source, it automatically refills water to maintain stable water level.

- Air pressure regulating and filtering system removes impurities and moisture from the air source to maintain stable spray pressure.



- Salt spray exhaust outlet, used to discharge waste fog inside the chamber after tests.

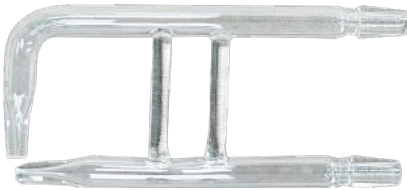
- Fitted with an independent drain valve for easy discharge of test waste liquid.



Technical Specification

Name	Salt Spray Test Chamber		
Model	MS-60M	MS-90M	MS-120A
Working Chamber Dimension (mm)	L600*W400*H500	L900*W600*H500	L1200*W800*H600
Volume	120L	270L	576L
Resolution Accuracy	$\pm 0.1^{\circ}\text{C}$		
Accuracy Control	$\pm 1.0^{\circ}\text{C}$		
Distribution Accuracy	$\pm 2.0^{\circ}\text{C}$		
Door Opening Method	Manual Door Opening	Manual Door Opening	Automatic Door Opening
Chamber Temperature	$35^{\circ}\text{C}\pm 1^{\circ}\text{C} / 50^{\circ}\text{C}\pm 1^{\circ}\text{C}$		
Pressure Tank Temperature	$47^{\circ}\text{C}\pm 1^{\circ}\text{C} / 63^{\circ}\text{C}\pm 1^{\circ}\text{C}$		
Temperature Uniformity	$\leq \pm 2^{\circ}\text{C}$		
Temperature Fluctuation	$\leq \pm 0.5^{\circ}\text{C}$		
Salt Spray Sedimentation Rate	$1 \sim 2\text{ml/h.}80\text{cm}^2$		
Spray Pressure	$1.00\pm 0.01\text{kgf/cm}^2$		
Spray Mode	Continuous Spray + Alternating Spray		
Maximum Load Capacity	3.0KVA		
Maximum Working Current	15A		
Weight	60kg	90kg	200kg
Power	1.8kw	3kw	3kw
Power Supply Voltage	AC220V $\pm 10\%$ /50Hz/60Hz		

Standard Delivery

Name	Qty	Photo
Mainframe	1set	
Specimen Rack	4 pcs L-type + 6 pcs O-type	
Standard Graduated Cylinder	1pc	
Temperature Indicator Needle	2pcs	
Salt spray collector 1-2ml/80cm ² /h	1pc	
Glass Spray Nozzle	1pc	

Standard Delivery

Name	Qty	Photo
Test Reagent Sodium Chloride (NaCl), 500g	2 bottles	
Power Cord	1pc	
Fog Exhaust Pipe	1pc	
Air Tube	1pc	
Test Paper	1 pack	

Optional Delivery

Optional	Air Compressor
	Specimen Rack
	Glass Spray Nozzle
	(NaCl) Test Reagent Sodium Chloride (NaCl)
	Pure Water Machine
	Salt Spray Collector
	pH Meter
	Salinity Refractometer

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