

Salt Spray Corrosion Test Chamber



Application:

Salt Spray Test is a standardized and popular corrosion test method, used to check corrosion resistance of materials and surface coatings. Usually, the materials to be tested are metallic and finished with a surface coating which is intended to provide a degree of corrosion protection to the underlying metal.

Standards:

CNS: 3627, 3385, 4159, 7669, 8886.

JIS: D0201, H8502, H8610, K5400, Z2371.

ISO: 3768, 3769, 3770.

ASTM: 8117, B268.

Heating system:

- Adopt u-shaped titanium alloy high-speed heating electric heat pipe. (Strong in corrosion resistance)
- Water and electricity fully independent system does not affect the salt fog test and control circuit
- Temperature control output power is calculated by the microcomputer (High precision, high efficiency and power saving is about 30%)
- Low water level protection system.

Spray System:

- Spray device: spray tower using a nebulizer (spire height adjustable), guiding salt spray, fog particles small, natural subsidence; without nozzle salt crystals, tenable settlement.
- Spray gas treatment: two spray gas regulator, the same period the oil to be filtered, humidified gas preheating
- Fogging treatment: spray brine stored as hidden and built a large storage capacity, brine with preheating function. Saline spray before brine with quartz filter element, to avoid blocking the nozzle of impurities during terminal test.

Features:

- Automatic add water when water shortage, with a group of manually water.
- Special glass nozzle (PYREX), guarantee non-crystalline block.
- With dual over-temperature protection, water shortage warning, ensure safety use.
- Temperature device adopts digital display, PID control, precision is 0.1 centigrade degrees.
- Chamber adopts direct steam heating method, fast warming, shortening standby time
- Spray tower attached cone diffuser, with functions of directional mist, adjustable mist, uniformity fog Lamp.

Specification:

Model	YW-60	YW-90	YW-120
Internal Dimension (LxWxH), mm	600x450x400	900x600x500	1200x100x50
External Dimension (LxWxH), mm	1070x630x1180	1410x880x1280	1900x1200x1400
Test Chamber Temperature	Salt Test (NESS ACSS) 35°C ±1°C Corrosion Test (CASS) 50°C ±1°C		
Saturate Air Barrel Temperature	Salt Test (NESS ACSS) 47°C ±1°C Corrosion Test (CASS) 63°C ±1°C		
pH	Salt Spray Test (NESS ACSS) 47°C ±1°C Corrosion Resistant Test (CASS) 63°C ±1°C		
Spray Volume	1.0 ~ 2.0 ml/h		
Test Chamber Humidity	>85% RH		
Salt Concentration Range	5% of Sodium Chloride		
Test Chamber Capacity	270 Liters		
Brine Reservoir Capacity	25 Liters		
Air Pressure	1.00 ±0.01kgf/cm ²		
Spray Form	Programmable spray (Continuous & Intermittent spray)		
Multiple Safety Protection Device	Current discharge protection, Over pressure protection, Over temperature protection, Over load fuse protection.		
Power Supply	220V, 15A		

Picture References :

