



# **SALT SPRAY** CHAMBER

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## APPLIED-FIELDS

The Salt water spraying/corrosive resistant machine are specialized to test the performance of the products for its surfaces of various materials after treatment of corrosive protection by means of painting, coating, galvanizing, anodizing and of lubricant.

## CHARACTERISTICS

- It has the function to refill water automatically when water level is insufficient.
- With accurate glass made nozzle (pyrex) no sediment of crystallization blocked in 4000hours.
- The control instruments are mounted in one panel so it easy to operate and clear at a glance.
- Equipped with dual protection for over temperature and an alarming device for insufficient water level so as to ensure the safe operation.
- The thermometer is controlled by SSR with digital display in precision of 0.1.

- The test tank is heated directly by vapor so that the temperature rises fast and the stand by time shortened.
- The water spraying column equipped with the disperser has the functions to lead and adjust the reek and also has the function to make the falling reek even (the control instrument and the nozzles adopt the systems of Europe, America and Japan. The relevant materials adopt Taiwan system to assemble)

## SPECIFICATIONS

- Test chamber use the gray impact resistance plate made of PVC(from Germany),5mm in thickness(8mm for machine oversized)
- Thermostat water tank: the gray impact resistance plate made of PVC(from Germany),5mm in thickness(8mm for machine oversized)and



- Test chamber use the gray impact resistance plate made of PVC(from Germany),5mm in thickness(8mm for machine oversized)
- Thermostat water tank: the gray impact resistance plate made of PVC(from Germany),5mm in thickness(8mm for machine oversized)and equipped with the auto water level controller to avoid the inconvenience to refill the water by manpower.
- The upper cover of the test chamber: use the transparent acrylic plate(from Germany),5mm in thickness(10mm PVC high temperature resistant plate for oversized type) and also attach a set of glass windows, a lamp inside the chamber and asset of auto lift driven by cylinder ,The base is made of Stainless Sheet grade SS 304
- The barrel for refilling the reagent: equipped with the built-in water level gauge. Use the gray impact resistance plate of PVC (from Germany), 5mm in thickness , which looks as an integral whole with the machine stand.
- The basket supporter inside the test chamber: use the gray PVC impact resistance plate, the test angle can be freely adjusted to 15.and 30.(the oversized supporter can carry more heavier objects according to the customers requirement.)
- The saturated air tank: made of stainless steel plate grade SS 304 ,2mm in thickness and equipped with the auto water level controller to avoid the inconvenience to refill the water by manpower.
- The oversized base: made of stainless steel plat SUS#304.2mm in thickness
- Temp. control of test chamber 0-99.9 with accuracy in0.1.(LED with 2 figures), matched by selection,(Japanese Controller - FY400/CH102 made from the original factory of Japan), fully



- programmable PID auto calculator: 1pc
- The digital temperature controller of heating channel: 0-99: 2pcs
- The temp, controller of saturated air tank: 0-99.9 with accuracy in (LED with 2 figures), selectable Japanese controller model FY400/CH102 .
- Time controller (selectable) (Sharp-Anly) AH5R-2:1pc
- Total timer: 0-9999.9hr, Risesen (made in Taiwan): 1pc
- The first stage pressure adjusting structure :first pressure regulating valve with a set pressure gauge (pre-adjust to 2-2.5kg/cm<sup>2</sup>)
- Conical disperser: It can adjust the spraying and make the reek and falling reek even.

## SPRAYING MODES

- Nozzles (German): Glass nozzles. The accurate glass nozzles (brand Pyres)

- Quantity of spraying: 1~2mL/80C/1h (imported from America)

## THE STANDARD ATTACHMENTS PER SET

- PVC corner bracket V 1 set
- Glass rod: 10mm 1 set
- Salt water mixer (9.5L) 1 pc.
- Reagent (NaCl) 4 bottles
- Cotton fabric used for wet sensing 5 pcs
- Inlet and outlet pipe, 5/8 (pressure resistant hose) 5m
- Exhaust pipe (flexible pipe), 1-1/2 3m

## SAFETY DEVICES

- Water level controller 1 set
- Lights for state warning: 3 pcs
- Protection switches for over temperature: 2 sets



## APPLICATION TEMPERATURE

- Set the type according to the standards of CNS, JIS and ASTM

## THE TEST METHOD OF SALT WATER

- The lab:  $35^{\circ}\text{C} \pm 1^{\circ}\text{C}$
- The saturated air barrel:  $47^{\circ}\text{C} \pm 1^{\circ}\text{C}$

## THE TEST METHOD OF CORROSIVE RESISTANT

- The lab:  $50^{\circ}\text{C} \pm 1^{\circ}\text{C}$
- The saturated air barrel:  $63^{\circ}\text{C} \pm 1^{\circ}\text{C}$

## MODEL

- ACM-980-0-T Internal Dimension – 600mm x 450mm x 400mm (108 ltr)
- ACM-980-1-T Internal Dimension – 900 mm x

600mm x 500mm (270 ltr)

- ACM -980-2-T Internal Dimension – 1200mm x 850mm x 500mm (480 ltr)
- ACM -980-2-T Internal Dimension – 1600mm x 1000mm x 550mm (800 ltr)

## UNIVESAL DIGITAL DATA RECORDER WITHOUT COMPUTER





## DATA ACQUISITION AND CONTROL SYSTEM FOR SALT SPRAY CHAMBER

This is unique module which can be incorporated with our Salt Spray Chamber to log in temperature and environment related data with a help of a data logger unit which has a pc connectivity by means of RS 232 C interface. This data is then analyzed and formatted with the help of our unique user friendly analysis software to enable the user to get a formatted and analyzed reports of various inputs during the full operation cycle of the equipment. This is an ideal module for pharmaceutical laboratories, process control applications and high research projects where maintaining a viable record of the performance of the equipment is very essential.

### FEATURES

- Provides Astech cable for direct interface to any dot matrix or laser printer for online or offline data records printing
  - It has Bulk data storage capacity with high data retention life.
  - Facility to obtain nicely formatted print out of the logged data or records with proper headers.
  - Our system provided facility to program recording interval with various options to suit individual requirements.
  - It is provided with the feature to adjust or select baud rate for any serial communication port.
  - Our system is provided with user friendly custom developed software which obtains and analyze the data and facilitates the user to generate reports and graphs etc.
- Our system incorporates multiple Devices such as in line process Indicators, environment scanners and temperature or humidity controllers.



An ISO 9001 : 2208 | ISO 14001 : 2008 | ISO 13485  
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