

SALT SPRAY TEST CHAMBER

This tester is designed for surface treatment of corrosion-resistant capacity test for various materials, including paint, electroplating, organic and inorganic film, anti-rust oil, chemical treatment, and then achieves a long period of resistance to corrosion products.



BSC- A Series

FEATURES:

- Automatic add water when water shortage, with a group of manually water
- Special glass nozzle, guarantee non-crystalline block for 4000 hours
- With dual over-temperature protection, water shortage warning, ensure safety use
- Temperature device adopts digital display, SSR control, precision is 0.1 centigrade degree
- Chamber adopts direct steam heating method, fast warming, shortening standby time
- Spray tower attached cone diffuser, with functions of directional mist, adjustable mist, and uniformity fog lamp.

BANBROS ENGINEERING PVT. LTD.

49/39, Site IV Industrial Area, Sahibabad,
Ghaziabad - 201010, Uttar Pradesh
Phone: +91 - 0120 - 4556371-76
Email: info@banbrosindia.com, sales@banbrosindia.com



TECHNICAL SPECIFICATIONS:

Model	BSC-108A	BSC-270A	BSC-480A	BSC-800A
Interior dimensions(mm)	600X450X400	900X600X500	1200X850X500	1600X1000X550
Exterior dimensions (mm)	1130X630X1070	1460X910X1280	2200X1200X1450	2600X1450X1550
Chamber Volume	108 Ltr.	270 Ltr.	480 Ltr.	800 Ltr.
Solution Tank	15L	25 L	40 L	40 L
Power Supply	AC 220V 50HZ			
Ambient temp. & humid. range	+5°C ~ +35°C / <85% RH			
Testing Temperature	NSS ACSS 35°C±1°C / CASS 50°C±1°C			
Air Temperature	NSS ACSS 47°C±1°C / CASS 63°C±1°C			
Solution Consistence	NaCl 5%			
PH Value	NASS ACSS:6.5~7.2 / CASS:3.0~3.2			
Temperature fluctuation	≅±0.5°C			
Temperature uniformity	≅2. 0°C			
Temperature deviation	≅±2.0°C			
Spray quantum	1.0~2.0(ml/80cm ² /h)			
Chamber Material	polyvinyl chloride (PVC)			
Heater	Corrosion-resistant titanium tube			
Temperature sensor	Platinum Resistance (PT-100)			
Safety device	Over-temperature protection, leakage protection			

Testing Machine Structure:

Materials used:

- Test chamber: use the PVC gray impact resistance plate (from Germany), 5mm in thickness;
- Thermostat water tank: use the gray impact resistance plate of PVC (from Germany), 5mm in thickness and it is 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 European transparent acrylic plate, 5mm in thickness;
- The barrel for refilling the reagent: equipped with a built-in water level gauge. Use the gray impact resistance plate made of PVC 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°
 - 48 test pieces can be placed by the angle of 15 degree
 - 30 test pieces can be placed by the angle of 30 degree
- Note: the size of the test pieces is 150×70mm H×D
- The saturated air tank: made of stainless steel, 2mm in thickness and equipped with the auto water level controller to avoid the inconvenience to refill the water by manpower.

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Application Temperature:

- Set the type according to the standards of CNS, JIS and ASTM:
- The test method of salt water:
- The test chamber: 35C \pm 1 C / The saturated air barrel: 47C \pm 1 C
- The test method of corrosive resistant
- The test chamber: 50C \pm 1 C / The saturated air barrel: 63C \pm 1 C

Spraying modes:

- Conical disperser: It can adjust the spraying and make the reek and falling reek even.
- Glass nozzles. The accurate glass nozzles (self-made)
- Note: volume of spraying: 1~2 mL / 80CM² /1h (self-made)

Control System:

- Temperature control of test chamber 0~99.9 with accuracy in 0.1 (LED with 2 figures) PID automatic calculator: 1 No.
- Safe temperature controller for liquid expansion in heating channel 0~110 : 2 Nos.
- The temperature controller of saturated air tank: 0~99.9 with accuracy in 0.1 . (LED with 2 figures), able, PID automatic calculator: 1 No.
- Time controller: ANLY AH5R-2: 1 No.
- Total timer 0~9999.9 hr: 1 No.
- The first stage pressure adjusting structure:
 - a) First pressure regulating valve with a set of pressure gauge (pre-adjust To 2~2.5kg/CM²)
 - b) Second pressure regulating valve: pressure regulating valve 1/4" PT, pressure 0~4.0kg/ CM², adjustable (adjust the spraying pressure to 1.0kg CM²).
 - c) Pressure gauge 2kg/ CM² (0.1kg/ CM²): 1 No.

Safety Devices:

- Water level controller: 1 Set
- State warning lamp: 3 Nos.
- Protection switch for over temperature: 2 Sets

Standard Accessories:

- Bracket for 1 set (can carry the weight of test samples under 2kgs).
- 500g NaCl reagent contained in 2 bottles (contained in 4 bottles for standard type)
- 10kg barrel for salt water making: 1 No.
- 80cm² standard collecting cup: 1 No. (2pcs. for standard type)
- 50ML graduated cylinder: 1 No. (2pcs. for standard type)
- The detailed operational manual: 1 No.

For Touch-Screen Panel (Optional)



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