

SALT SPRAY

CLIMATE CHAMBER SALT SPRAY TEST MODULE SYSTEM



SALT SPRAY

Description

The HVEX Accelerated Corrosion Testing Equipment is an automated testing solution designed to simulate extreme weather conditions, replicating environments with high levels of seawater contamination and salinity.

Developed by HVEX, a leading technology and automation company in the electrical sector, this equipment meets the most stringent technical standards for corrosion testing, including:

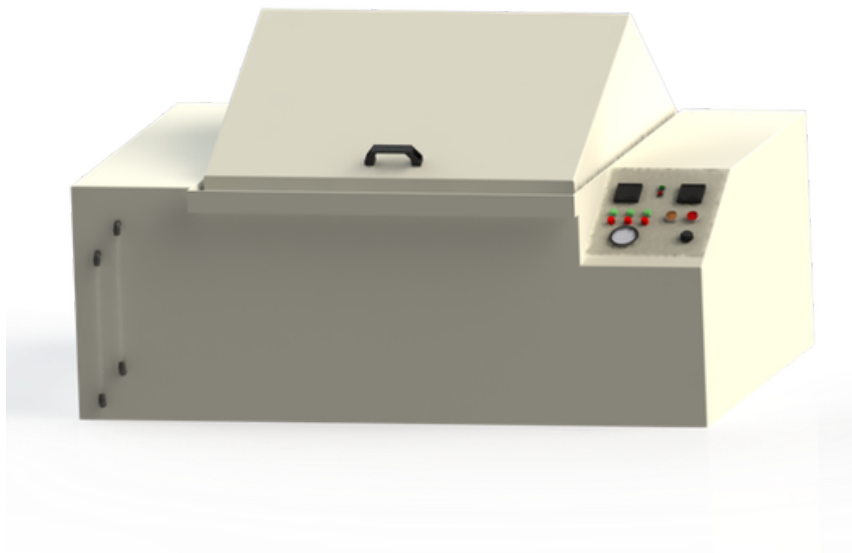
- ABNT-NBR-8094-SS (Neutral)
- ABNT-NBR-8823-ASS (Acetic)
- ABNT-NBR-8824-CASS (Copper-acetic)
- ASTM-B-117-SS
- ASTM-B-287-ASS
- ASTM-B-368-CASS
- DIN-50021
- ISO-9227

Features

- Reproduces conditions of high salinity corrosion;
- Precise control of temperature and humidity;
- Advanced automation for reliable and repeatable tests;
- Compliance with technical standards ABNT, ASTM, DIN, and ISO;
- Compact and robust design;
- Enhanced safety with sensors and alarms;
- Intuitive operation with user-friendly control panel;
- Chamber Temperature Control: Automatic, adjustable according to technical standards;
- Fog Formation: Regulation of the ejector with controlled pressure;
- Test Suspension or Completion: Purge procedure to prevent contamination.

Benefits:

- Precise reproduction of Extreme Climatic Conditions;
- Compliance with rigorous technical standards;
- Precise control of temperature and humidity;
- Advanced automation for reliable tests;
- Compact and robust design;
- Enhanced safety with sensors and alarms;
- Wide application in corrosion testing;
- Technical support and training provided.



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Tests

- Salt Spray (Saline Mist): Complies with various standards, including ABNT, ASTM, DIN, and ISO;
- Corrodkote: Simulates corrosive environments with corrosive mists, complying with specific technical standards.

Components and accessories:

- Spray Saturation Chamber;
- Temperature Control;
- Pressure Manometer;
- Pressure Regulator;
- Intuitive Control Panel;
- Safety Alarm;
- Level Sensors.

Safety

- The installation manual provides detailed safety guidelines;
- The equipment is designed for safe operation, with level sensors and safety alarms;
- Proper training is essential for operators.

Applications:

- Accelerated corrosion testing on components and equipment;
- Assessment of resistance to high salinity environments;
- Development and improvement of corrosion-resistant products.



Technical Specifications

Power supply	Two-phase 220 V, 60 Hz, 32 A
Drain	3/4 inches
Gas output	2 inches
Models	M-SS500
	M-SS700
	M-SS1000
Nominal volume	Approx. 700 L; other options up to 1000 L on request.
Internal dimensions (Example Model M-SS1000)	Length: 900 mm
	Width: 900 mm
	Height: 850mm
Required infrastructure	Compressed Air: 2 to 4 Kg/cm².
	Electrical Energy: Two-Phase 220V, 60Hz.
	Liquid Sewage Outlet (Drain): Ø = 3/4".
	Water Supply DI: Ø = 1/2".
	Gas Output: Ø = 1" to 2".

We provide solutions for improvement of eletrical energy generation, transmission and distribution efficiency, quality and reliability. With a highly specialized and experienced team in research, delvelopment and innovation, HVEX develops tailor-made solutions for brazilian and foreign markets. Wide range of products with solutions focused on signal transduction, measurement, monitoring and protection.



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