



NSW-152-SP SALT SPRAY CHAMBER

(AN ISO 13485:2016, ISO 16750-4:2010 CERTIFIED & CE MARKED)

Product Overview

NSW INDIA (Narang Scientific Works Pvt. Ltd.), established in **1958**, is one of India's leading manufacturers and exporters of Salt Spray Chambers and advanced environmental testing equipment. With over **65 years of manufacturing excellence**, we provide reliable corrosion testing solutions trusted by research laboratories, government organizations, educational institutions, automotive manufacturers, aerospace industries, defense establishments, coating manufacturers, and electronics companies across India and international markets.



Our Salt Spray Chambers are engineered to deliver precise, repeatable, and standards-compliant corrosion testing for evaluating the durability of paints, coatings, electroplated components, fasteners, automotive parts, marine equipment, aerospace components, and electronic products. Each system is designed with advanced temperature control, precision salt fog generation, and programmable test cycles to ensure highly accurate and reproducible test results.

Manufactured using high-quality corrosion-resistant materials and equipped with intelligent PLC/HMI or PID-based control systems, NSW INDIA Salt Spray Chambers provide exceptional reliability, long operational life, and ease of use. Uniform salt mist distribution, automatic safety protections, efficient atomization technology, and robust construction ensure consistent performance under continuous testing conditions.

Our chambers comply with internationally recognized standards including **ASTM B117, ISO, JIS, and equivalent corrosion testing specifications**, making them ideal for quality control, research & development, and product validation applications.

NARANG SCIENTIFIC WORKS PVT. LTD.

(Manufacturers & Exporters)

Address: GI-111, Mayapuri Industrial Area, Phase-II, New Delhi-64

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Web: www.nsw-india.com

WHO GMP
compliant company



With comprehensive technical support, installation assistance, calibration services, and nationwide after-sales service backed by experienced engineers, **NSW INDIA** remains the preferred partner for organizations seeking dependable, high-performance, and cost-effective corrosion testing solutions.

Key Technical Features

Features of NSW INDIA Salt Spray Chambers

- Compliance with International Standards: Designed in accordance with ASTM B117, ISO, JIS, and other applicable international corrosion testing standards.
- Superior Build Quality: Manufactured using premium-grade FRP, PVC, PP, and corrosion-resistant materials for extended service life.
- Advanced Digital Control System: Equipped with a PLC/HMI or PID microprocessor-based controller featuring an intuitive touchscreen interface for precise operation.
- Accurate Environmental Control: Independent control of chamber temperature, saturator temperature, spray cycle, and test duration for highly repeatable results.
- Uniform Salt Fog Distribution: Precision atomizing nozzle and optimized air circulation ensure homogeneous salt spray throughout the test chamber.
- High Testing Capacity: Available in multiple chamber sizes to accommodate both small laboratory specimens and large industrial components.
- Energy-Efficient Design: Optimized insulation and efficient heating system reduce power consumption while maintaining stable operating conditions.
- Automatic Safety Features: Includes low water level protection, over-temperature protection, air pressure regulation, and automatic fault alarms.
- Low Maintenance Operation: Designed for continuous operation with easy cleaning, servicing, and minimal maintenance requirements.
- Custom-Built Solutions: Customized chamber sizes, programmable test cycles, and optional accessories are available to meet specific customer requirements.

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Model	Test Method	Chamber Size	Temperature Range	Humidity Range	Salt Solution Concentration	Spray Rate	Control System	Power Supply
SPC-3	ASTM B117 / ISO 9227	250 Litres	35°C to 50°C	95% ± 5%	5% NaCl	1-2 ml/hr/100 cm ²	PLC Touchscreen	220V 50Hz
SPC-4	ASTM B117 / ISO 9227	400 Litres	35°C to 50°C	95% ± 5%	5% NaCl	1-2 ml/hr/100 cm ²	PLC Touchscreen	220V 50Hz
SPC-5	ASTM B117 / ISO 9227	500 Litres	35°C to 50°C	95% ± 5%	5% NaCl	1-2 ml/hr/100 cm ²	PLC Touchscreen	220V 50Hz
SPC-10	ASTM B117 / ISO 9227	1000 Litres	35°C to 50°C	95% ± 5%	5% NaCl	1-2 ml/hr/100 cm ²	Microcontroller Display	220V 50Hz
SPC-20	ASTM B117 / ISO 9227	2000 Litres	35°C to 50°C	95% ± 5%	5% NaCl	1-2 ml/hr/100 cm ²	PLC Touchscreen	380V 50Hz

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