

SSC

Salt Spray Chamber

- 4 models
- Designed to test laboratories
- Easy to install, easy to use and reliable
- Robust construction, resistance to corrosion
- Long life



The Salt Spray Corrosion Test consists of an accelerated corrosion attack by an artificial salt spray of a certain composition, in the exact conditions of temperature and pressure.

An important characteristic of this kind of Test in front of other environmental conditions simulations is the perfect reproductibility that allows to do the Corrosion Test in a controlled, comfortable and practical way, according to the current Regulations.

Our Chambers are adapted to all these Regulations.

DYCOMETAL EQUIPOS DE C.C., S.L.

C/ De la Ciència, 35-37

08840 - Viladecans (Barcelona) - SPAIN

T: (34) 936 526 610 F: (34) 936 407 607

www.dycometal.com

FEATURES:

Construction

- The chambers are made of AISI 304 (18/8) Stainless Steel Sheet on a AISI 304 (18/8) stainless steel tube structure. It is painted with oven-dried acrylic light gray RAL-9010.
- Indoor test tank made up of only one piece on glass fiber and polyester's resin, conformed on mould and totally invulnerable to the salt spray atmosphere.
- Heating resistances injected to the tank, to ensure a big uniformity in the dispersion of the heat.
- Undeformable top cover, made up of 7 mm transparent methacrylate. Its shape of roof of a double slope with 30° inclination by side makes the condensed drops slide in a natural way to the indoor walls avoiding the dripping on the samples. The cover has a handle that allows an easy and comfortable opening, considering its reduced weight, without the need of auxiliary tools or equipments
- Tight closure of the top cover.



- Indoor support on the walls of the indoor tank (rack shaped) to hang the sample holder bars.

Atomizer System

- New spray made of methacrylate, with improved guarantees of operation.
- New powering system of the saline solution by means of pump pulse, adjustable rate, adjusted for condensate collection.



In addition, the new conduit system, made of methacrylate, greatly improves the spraying and subsequent expansion of saline flow.

- Cleaning System at the end of the test circuit by means of air valve (bleeder system).



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FEATURES:

Control

All the Control and Regulation Systems are together in the new screen printed control panel, ergonomically located on the front right.

- Electronic Regulator of the tank temperature
- PLC with automatic functions:



1. Run / Stop of the equipment.
2. Temperature Control of the boiler humidification.
3. Programmable Time Trial, with automatic stop once the test is passed.
4. Hours Counter, total (the lifespan of the Chamber) and partial (duration of the performed test).

5. Manual cleaning of the sprayer.
6. Current state of the Chamber.

- Temperature Measurement in the Interior of the enclosure by Ohm Resistance thermometer PT-100., DIN Class A.
- Temperature measurement in the tank RTD Humidifier by PTC.
- Security System with independent thermostat adjustable

Workspace

The cover has a transparent design, to allow viewing of the interior of the chamber.

The chamber seal is produced by water seal to prevent escape of saline fog during operation.

The interior of the camera has movable sample holder and slots for support during the test samples. For samples bigger or heavier, an independent platform can be put, which is located at the base of the chamber optionally



Standards

- ISO 9227.
- ASTM B117.
- ASTM G85 annex A1.
- DIN 50021.
 - Standard salt spray (DIN-50021-SS).
 - Acetic salt spray (DIN-50021-ESS).
 - Copper acetic salt spray (DIN-50021-CASS).
- AFNOR X 41-002.
- AFNOR A05-109.
- MIL-STD 810 método 509.4.
- MIL-STD 202.
- IEC 60068-2-11 Part 2
- BS 3900 Part F12, BS 7479, BS EN ISO 7253.
- VG 95 210 method 101C.
- 50180 method A1, A2, A3.
- GM 4465P.
- JIS H 8502 Method 1,2,3.
- D17 1058.

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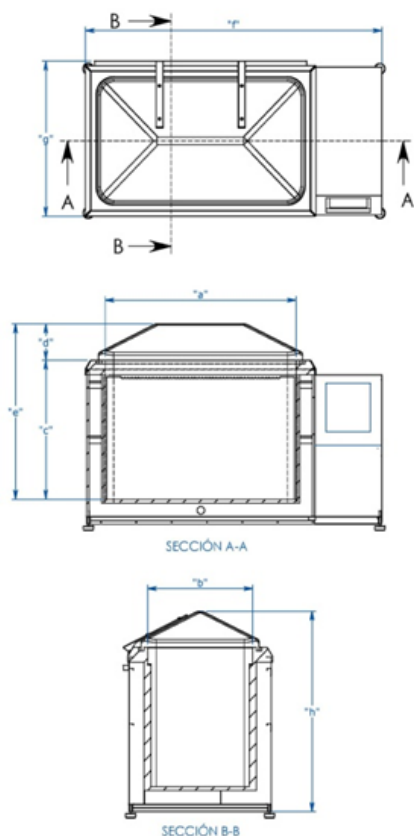
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TECHNICAL SPECIFICATIONS:



| Model | SSC-140 | SSC-400 | SSC-1000 | SSC-2000 |
|---|--|-----------------|----------|----------|
| Capacity (Liters) | 140 | 400 | 1000 | 2000 |
| Exterior Dimensions (without cover) mm | | | | |
| Height | 750 | 900 | 1000 | 1100 |
| Width | 1270 | 1700 | 2250 | 2600 |
| Depth | 680 | 900 | 1000 | 1350 |
| Interior Dimensions mm | | | | |
| Height | 600 | 800 | 900 | 1000 |
| Width | 700 | 1080 | 1600 | 2000 |
| Depth | 350 | 550 | 650 | 1000 |
| Weight with package (kg) | 150 | 200 | 350 | 500 |
| N° of Sprays: | 1 | 1 | 2 | 2 |
| Air Humidification | Full saturation | | | |
| Pressure of Work (Kg/cm ²) | 0,8 - 1,2 Kg/cm ² | | | |
| Range of Temperature (°C) | Ambiance/ +50°C | | | |
| Outdoor Paint: | Acrylic, Beige RAL-9010 | | | |
| Humidificator Pressure of Water | ±2 Kg/cm ² | | | |
| Voltage | Single-phase 220V/ 50 Hz. | | | |
| Water Supply | Automatic supply by means of electronic level and electrovalve | | | |
| Top Cover | Transparent Methacrylate | White Polyester | | |

OPTIONS:

- Reserve tank for feeding the humidification system with softened.
- Registration units graph for temperature and humidity
- Specimen collection kit
- Pneumatic cylinders to open lid with pushbutton control in the control panel
- Reserve tank saline metal frame mounted
- Additional shelves

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