



SALT SPRAY CHAMBER

SSC SERIES

MAIN FEATURES

Construction

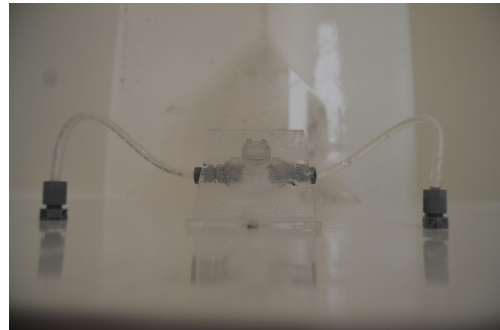
- Chambers made in Stainless Steel Sheet, with a structure in Stainless Steel Tube. Painted with acrylic paint dried in light gray color according to RAL-9010.
- Internal testing chamber built in one piece in fiberglass and polyester resin, molded in a mold and totally invulnerable to the saline atmosphere.
- Heating elements joined to the workspace in order to ensure a high uniformity of the temperature in the interior of the chamber,
- Robust superior hood made in methacrylate (transparent) or fiberglass (no transparent). Its form like a roof with double angle of 30° per side allow to the condensate drops sliding like natural way to the internal walls of the workspace, avoiding the dripping of the water over 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.
- Tightness closure of the Hood.



- Interior support attached to the walls of the inner tank (in the form of a saw), to hang the sample holders.

Spraying System

- New spray system with spraying to the top of the chamber that ensures a uniform distribution of salt spray.
- Developed design to reduce dissolution consumption and increasing the consumption time at maximum.



- Saline solution feeding by means of a speed adjustable pump to regulate the fall-out rate of condensates.
- Cleaning system of the circuit of the chamber at the end of the test (purge).



CONTROL

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

- Electronic regulation of the temperature of the workspace.
- Management controller with functions:



- o Run/ stop button.
- o Control of the temperature of the boiler for the humidification.
- o Programmable test time, with automatic stop of the test when it is finished.
- o Time counter, total (during the life-time of the chamber) and partial (test time)
- o Manual cleaning of the sprayer..
- o Status of the chamber.

Standards

- ISO 9227.
- ASTM B117.
- ASTM G85 annex A1.
- DIN 50021.
- MIL-STD 810 method 509.4.
- MIL-STD 202.
- IEC 60068-2-11 Part 2
- GM 4465P.
- JIS H 8502 Method 1,2,3.
- D17 1058.
- VG 95 210 method 101C.
- 50180 method A1, A2, A3.
- GM 4465P.
- Etc.

- Temperature measurement in the workspace by thermocouple PT-100 Ohm., DIN A-Class.
- Temperature measurement of the humidification system (boiler) by PTC thermocouple. .
- Double security system by adjustable independent thermostat for overheating, with disconnection of the heating elements (heaters of the workspace and boiler).

WORKSPACE

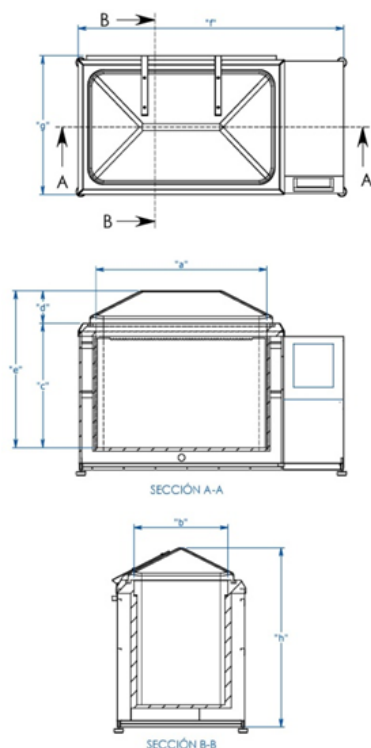
The Hood has a transparent design (for SSC-140 and 400), to allow viewing of the interior of the chamber.

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

The interior of the chamber has a set of PVC bars to hang the samples. Optionally, a set of supports is offered to place the samples at an angle in accordance with the standards.



TECHNICAL SPECIFICATIONS



Model	SSC-140	SSC-400	SSC-1000	SSC-2000
Volume (Liters)	140	400	1000	2000
External dimensions (without hood) in mm				
Height	750	900	1000	1100
Width	1270	1700	2250	2600
Depth	680	900	1000	1350
Useful Internal dimensions in mm				
Height	600	800	900	1000
Width	700	1080	1600	2000
Depth	350	550	650	1000
Weight with in Kg	90	143	215	370
Sprayers	1	1	2	2
Air humidification	Full saturation			
Work pressure	0,8 - 1,2 Kg/cm ²			
Temperature range	Room to +50°C			
External paint	RAL-9010			
Water pressure for boiler	±2 Kg/cm ²			
Voltage	220V/ 50 Hz.			
Water supply	Automatic supply by means of electronic level and electrovalve			
Hood	Transparent methacrylate		White Polyester and fiberglass	

OPTIONAL ACCESORIES

- Observation window for models SSC-1000 and SSC-2000.
- Data recorder unit for temperature values. Different options.
- Precipitate collector (pluviometer)
- Access port on hood for sensors.
- Pneumatic cylinders to open the hood with push button control in the control panel.
- Tank for preparing Saline with lid, mounted in metal frame with direct connection to the chamber.
- Special sample racks for different type of samples.

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