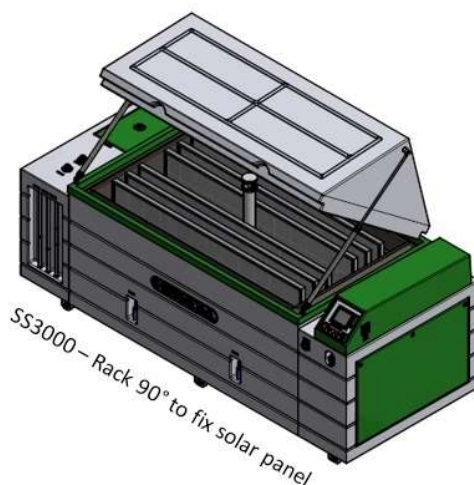


## Salt Spray Cyclic Test Chamber Serie SS CASS / AASS

(US Patent No.10371623)



Illustrative Photo SS1300



SS3000 – Rack 90° to fix solar panel



Touch Screen- SD Data Logger



Specimen inside the chamber



Inclined Rack for Coupons

### Series SS CASS- AASS



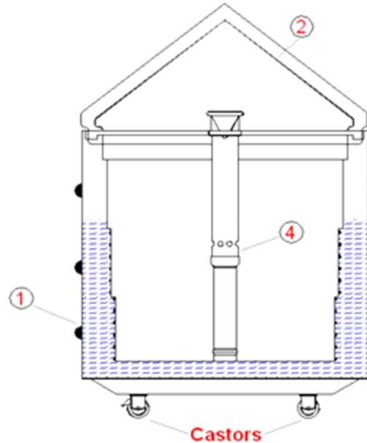
Allows you to program multiple fully automatic cycles with different modes:

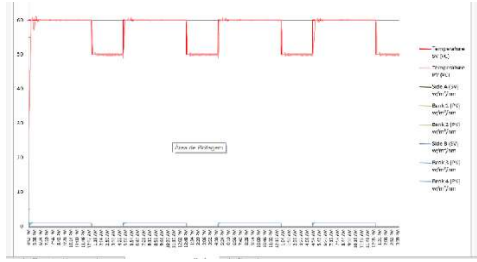
- Salt Spray CASS AASS mode (ASTM B368)
- Condensed Humidity Mode
- Natural Dry Mode
- Soak Mode

Note: Reuse

If the cabinet has been used once for an AASS or CASS test, or if it has been used for any other purpose with a solution other than that specified for the Neutral Salt Spray test, it should not be used for the Neutral Salt Spray test as there is a risk of chamber contamination. Therefore, we do not recommend such a procedure (See ISO 9227).

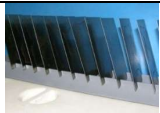

Chamber Temperature Salt Spray Range:	Ambient + 9°F (5°C) - +131°F (55°C)
Bubble Tower Temperature Salt Spray Range:	Ambient + 9°F (5°C) - +165°F (74°C)
Collect fog per ASTM B 117	Fog collection Range: 1.0 - 2.0 ml/hour, continuous 16 hours of test. (others consult us)









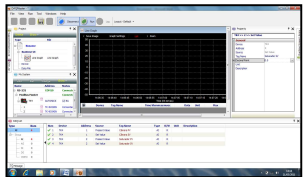
Condensation Humidity Temperature Range:	Ambient + 9°F (5°C) - +140°F (60°C) – 97% +/- 3% * Others consult us.
Natural Dry Temperature and Relative Humidity Range:	Ambient (labs) Temperature x Relative Humidity
Soak Temperature Range:	Ambient + 9°F (5°C) - +140°F (60°C)
Bubble Tower with constant level, no auxiliary tank necessary for long duration test	
Centralized Atomization Nozzle with distribution tower and cone in accordance with: ASTM B117, pg. 4, Annex A ISO 9227, JIS Z 2371	
<p><b>1</b> - Designed entirely in fiberglass (US patent 10371623) Indirect Heating through water jacket according to ASTM B-117 to ensure that no metallic heating will affect corrosivity of testing results.</p> <p><b>2</b> Lid engineered with smooth surface, without seams, per ASTM B117, drops of solution which accumulate on the ceiling of the chamber shall not be permitted to fall on the specimens being exposed.</p> <p><b>3</b> - Unibody construction incorporating solution tank, bubble tower in one cabinet.</p> <p><b>4</b> - Central Atomization Tower engineered to ASTM B 117 standards ensuring collect fog uniformity and homogenous results.</p>	





<b>Data Acquisition Software - option:</b> <ul style="list-style-type: none"> <li>- By PC (RS 232, USB or RS 485)</li> <li>- 2 types: PC or SD Card.</li> </ul>				
<b>UL508A Compliance</b>		Included		
<b>Lid security system</b>		Included		
<b>Visual and audible security system</b>		Included		
<b>Alarm message on touch screen</b>		Included		
<b>Critical test parameters displayed on one screen</b>		Included		
<b>20 programmed test</b>		included		
<b>Error messages displayed</b>		included		
<b>Pneumatic lid with safety systems</b>		Included		
<b>External collect Fog</b>		Included		
<b>- Mult-day, continuous test tank.</b> <b>- Maximum and minimum level indication.</b> <b>- Automatic mixing solution during the test – settable in panel touch screen.</b>		included		
	SS600CASS-AASS	SS1300CASS-AASS	SS3000CASS-AASS	SS5000CASS-AASS
<b>Internal Dimensions W x D x H (mm) (Inches)</b>	820 x 650 x 780 32.3"x 25.6"x 30.7"	1,400 x 850 x 850 51.2"x 30.7"x 35.4"	2,050 x 1,080 x 1,000 81.9"x 42.5"x 39.4"	2,000 x 1,500 x 1,000 78.8"x 59.1" x 39.4"
<b>External Dimensions – Lid open W x D x H (mm)</b>	1,890 x 1,100 x 1,440 74.5"x 43.3"x 30.7"	2,480 x 1,150 x 1,700 97.7" x 45.3"x 66.9"	3,400 x 1,600 x 1,800 133.9"x 63.0" x 70.9"	3,800 x 1,800 x 2,100 150.0"x 70.9" x 39.3"
<b>Approx. Crated Dimensions W x D x H (mm)</b>	1,600 x 1,150 x 1,700 63"x 45.3"x 67"	2,600 x 1,300 x 1,850 102.4"x 51.2"x 72.9"	3,550 x 1,700 x 2,110 140"x 70"x 83"	Pallets / Container
<b>Approximate net weight</b>	452 lbs - 205 kg	802 lbs - 364 kg	1,212 lbs - 550 kg	1,962 lbs - 890 kg
<b>Approximate Shipping Weight - Crated</b>	551 lbs - 250 kg	919 lbs - 417 kg	1,874 lbs - 850 kg	2,204 lbs - 1,000 Kg
<b>Approximate test volume in liters (L) – Lid Included Approx.</b>	600	1,300	3,000	5,000

Recommended Lab conditions	Temperature: 63 °F (17°C) - 82°F (28°C), Relative humidity: Maximum 85% (without condensation)		
Electrical Supply	208 - 230 V Ø1 50/60Hz – Other consult us.		
FLA (208 ~ 230 V – 1 ϕ)	25A	35A	45A
Test water requirement	ASTM D 1193 Type IV		
DEI water pressure	7 to 14 psi (0.5 to 1.0 kgf/cm²)		
DEI water input Ø	1/2"		
Constant Pressure	56 psi +/- 0.7 psi (4 kgf/cm²)		
Drink Water Supply	Chamber cleaning		
Corrosive Agent	Per Standard		
Lab exhaust	Fume Hood and motor – if necessary		
Drain	½" PVC tubing or PVC drain 4" at least		
Chamber exhaust pipe without siphon PVC.	2"	4"	4"
Measurement items: pH, Conductivity NaCl concentration	In accordance with ASTM B368, JIS Z 2374 CASS/AASS , ISO 9227 CASS/AASSS		
Service Area	minimum of 19.6" (50 cm) for an easier cleaning, assembling and maintenance		
1 (One) Year Parts Warranty against manufacturing defects from date of delivery at customer’s site. This assumes equipment is used under normal operating conditions in accordance to the instruction manual. This warranty does not apply to glassware (lamps). In case of non-warranty issues during warranty period, actual expenses shall apply.			
<b>Note 1:</b> All our equipment is delivered with Installation, Maintenance and User Manual. We believe this material is enough for the correct use of the equipment. We are available for further questions and clarifications. Additionally, if desired, we can provide the technicians to assemble the equipment and conduct staff training at the client’s site. (Cost available upon request).			
<b>Note 2:</b> Appearance and specifications of equipment are subject to change without prior notice.			
<b>Note 3:</b> We highly recommend that you don’t use the same chamber for different solutions, e.g. don’t use a Salt Spray chamber for CASS; Kesternich (SO2) test or CASS chamber for humidity test due the chemical contamination that may distort the results. See item 4.6 of Standard ISO 9227.			

### Optional Accessories

• (1) rack - 15° or 20° inclination in accordance with ASTM B117 and ISO 9227.	
• (1) Rack Special rack for fixing screws	

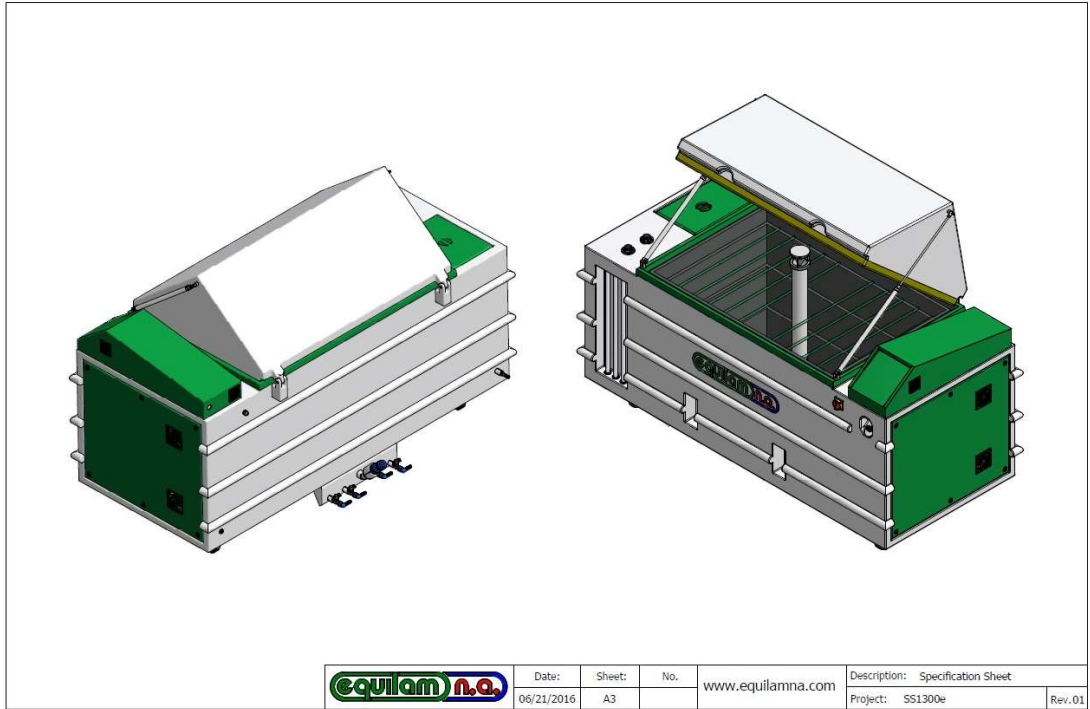
<ul style="list-style-type: none"> <li>• Special rack for customer supplied test sample.</li> </ul>	<p>Factory Consult</p>
<ul style="list-style-type: none"> <li>• (2) Fog collectors.</li> </ul>	
<ul style="list-style-type: none"> <li>• Fiberglass Fume Hood (hood only).</li> </ul>	
<ul style="list-style-type: none"> <li>• Fiberglass axial fan assembly capacity: 1940 cfm. Net weight: 88 lbs.(40 kg).</li> </ul>	
<ul style="list-style-type: none"> <li>• DI Water for SALT FOG.</li> </ul>	
<ul style="list-style-type: none"> <li>• Hydrometer to measure concentration of saline solution in accordance to ASTM B 117.</li> </ul>	
<ul style="list-style-type: none"> <li>• Plastic bucket with 50lb Salt EQCORR with chemical analysis traceability certificate ISO 17025 in accordance with ASTM B117, ISO 9227, JIS Z 2371, MILS STD 810G, among others</li> </ul>	
<ul style="list-style-type: none"> <li>• Test Panels – 2.9" x 5" (76mm x 127mm). In accordance with ASTM B 117 (100 Pieces).</li> </ul>	
<ul style="list-style-type: none"> <li>• Test Panels – 2.7" x 5.9" (70mm x 150mm). In accordance with ISO 9227 (100 pieces).</li> </ul>	
<ul style="list-style-type: none"> <li>• Data Acquisition Software: <ul style="list-style-type: none"> <li>- By PC (RS 232 or USB)</li> <li>- Trend plot of test parameters.</li> </ul> </li> </ul>	

<ul style="list-style-type: none"> <li>• Grid type test brackets supports 120 kg with distributed load.</li> </ul>	
<ul style="list-style-type: none"> <li>• Cable port <math>\varnothing = 2''</math> – EQOP 0034</li> </ul>	
<ul style="list-style-type: none"> <li>• pH meter to measure saline.</li> </ul>	
<ul style="list-style-type: none"> <li>• DEI water conductivity measuring equipment according to ASTM D1193 type IV.</li> </ul>	
<ul style="list-style-type: none"> <li>• ASTM G 85 A3 – SWAAT TEST</li> </ul>	Consult us
<ul style="list-style-type: none"> <li>• ASTM G 85 A4 – SO2 Injections</li> </ul>	Consult us
<ul style="list-style-type: none"> <li>• ASTM G 85 A5 - PROHESION</li> </ul>	Consult us
<ul style="list-style-type: none"> <li>• DRY Mode in accordance MIL STD 810 G</li> </ul>	Consult us

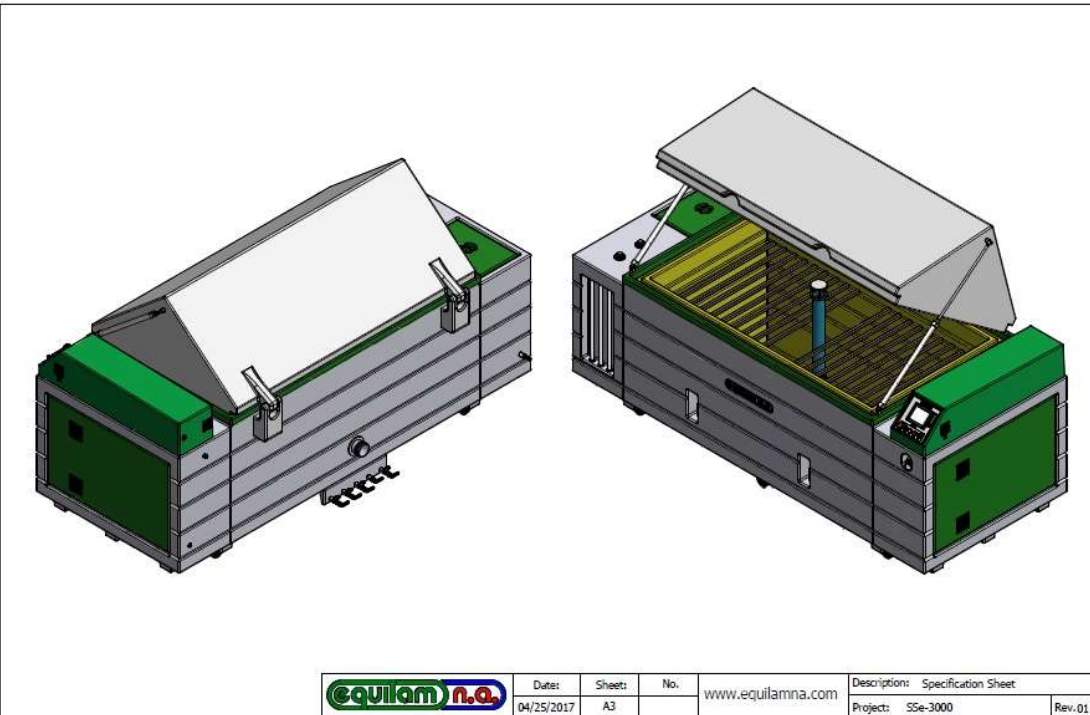
**Further optional requests shall be considered upon request.**

**NOTE: Chambers with other internal volumes consult us.**





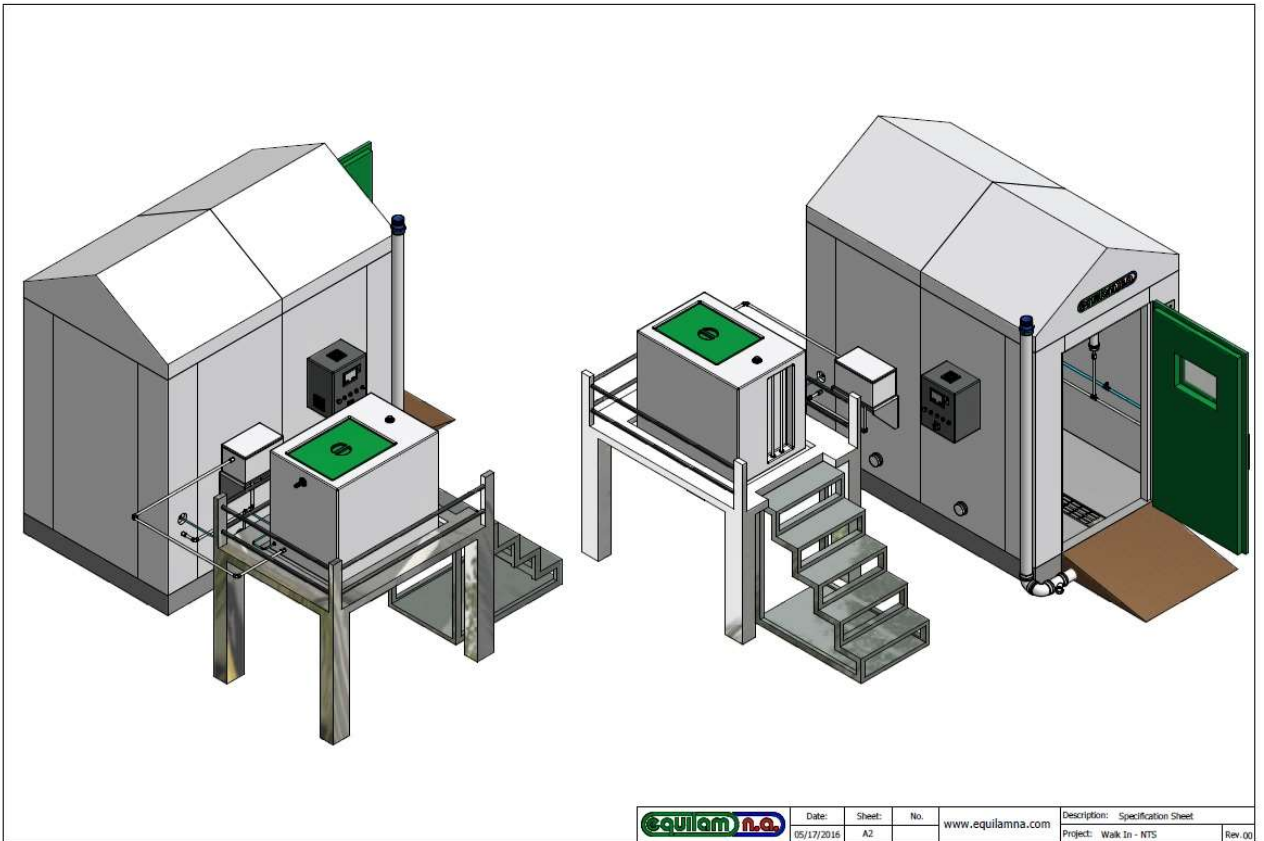
SS600 – SS1300



SS3000



SS5000



<b>equilam</b> n.a.	Date:	Sheet:	No.	www.equilamna.com	Description: Specification Sheet
	05/17/2016	A2			Project: Walk In - NTS
					Rev. 00





Walk In – Drive In - Consult US.