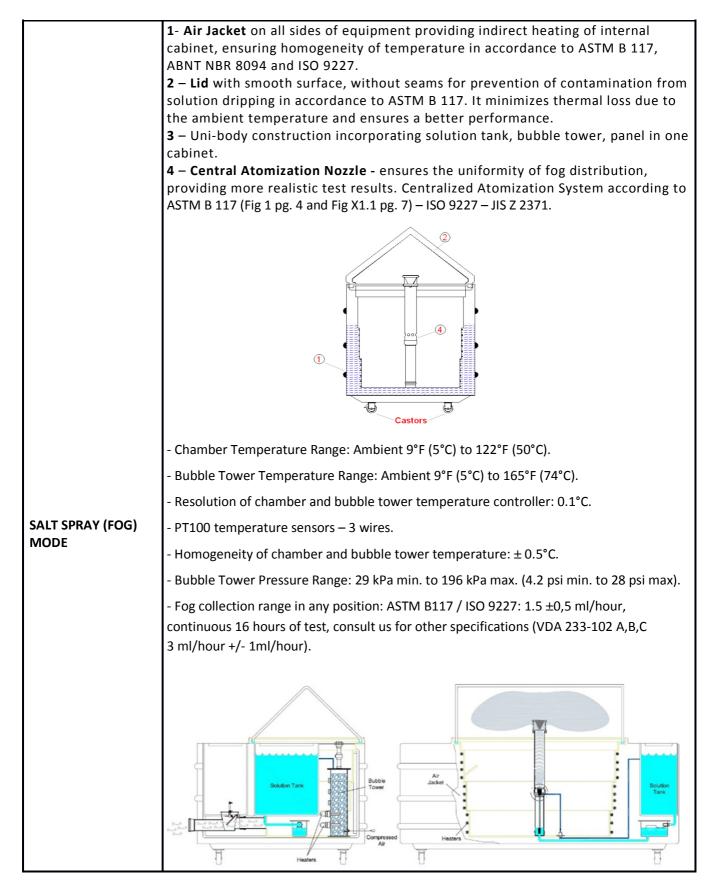


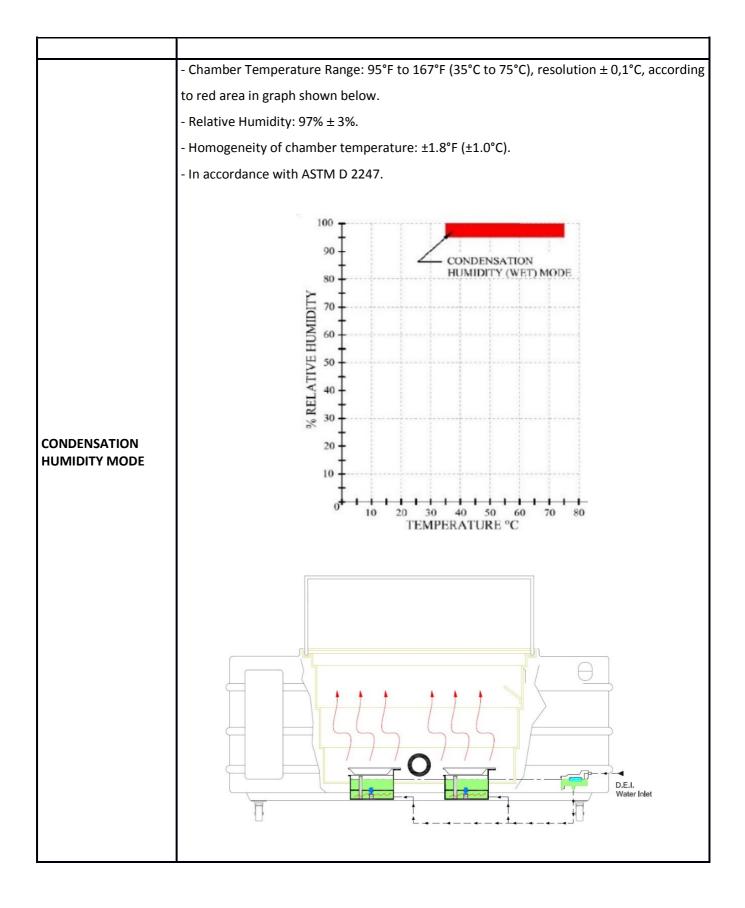
Cyclic Corrosion Chamber C.C.T – AUTO Series				
<section-header><image/><image/></section-header>				
Specifications/ Models	CCT 1300 AUTO	CCT 3000 AUTO	ССТ 5000 АИТО	
Allows 7 different programable cycle modes, (5 standard, and 2 optional added modes)	 Mode: SALT SPRAY (FOG) Mode: CONDENSATION HUMIDITY Mode: CLIMATIZATION Mode: CLIMATIZATION WET Mode: LOW TEMPERATURE (-20°C) or (ULTRA LOW -40°C *) Mode: IMMERSION * Mode: SPRAY or STRESS * * Optionals – Please, consult us. The standard equipment offers the following modes: Salt Spray (Fog), Condensation Humidity, Climatization (temperature x relative humidity with ramps and thresholds), Climatization Wet, and Low temperature (-20°C with ramps and thresholds). Strictly designed to do test materials in accordance with the corrosion standards of Japanese and Korean automotive industry. 			



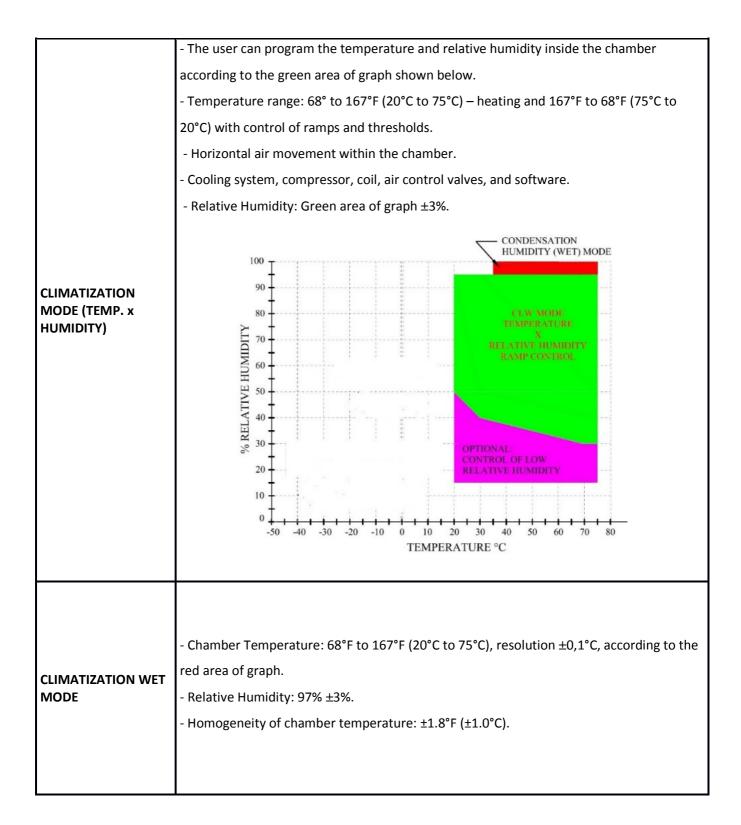


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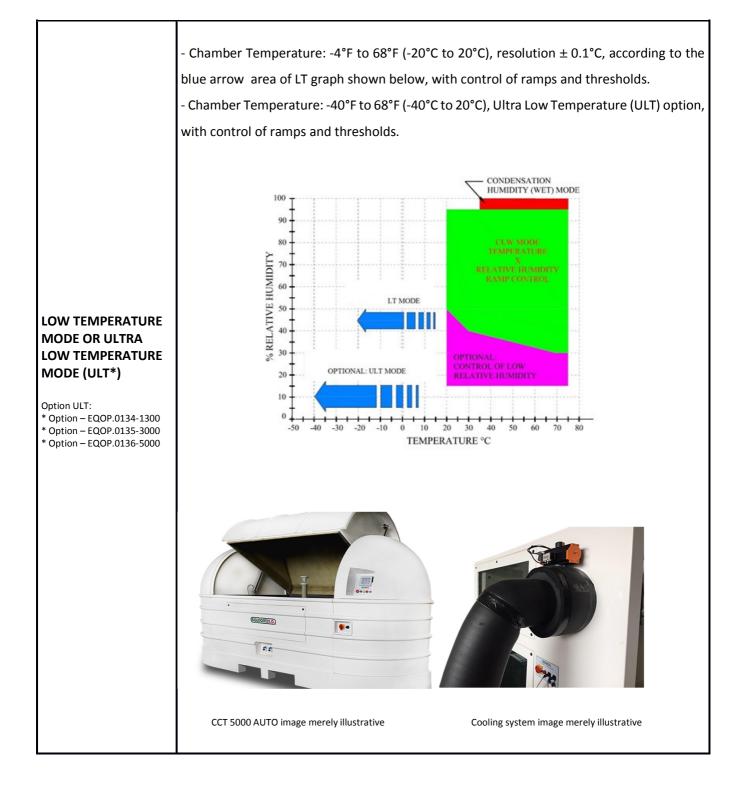


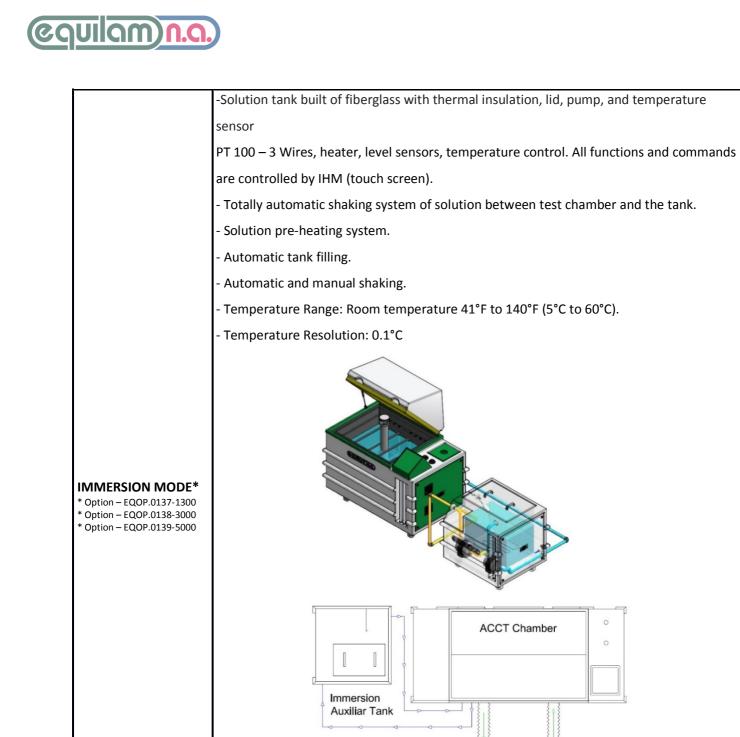












Refrigeration System -Low Temperature

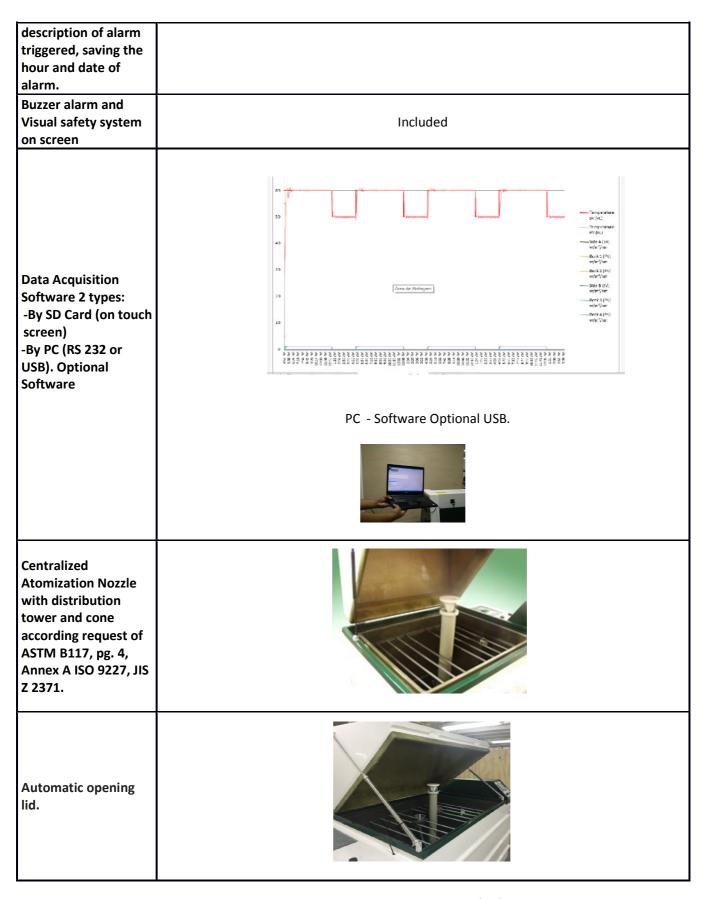


1			
SPRAY OR STRESS MODE* * Option – EQOP 0128 – 1300 * Option – EQOP 0129 – 3000 * Option – EQOP 0130 – 5000	 Spray system with spray nozzles – oscillating pendulum movement. The spray system provides a finely distributed and uniform spray of saline solution onto specimen. Our system does not re-use sprayed solution (the solution that had contact with specimen) Plastic spray nozzles. After the Spray Mode it is possible to set up Fog Purge to avoid contamination of the next mode. Spraying solution tank with capacity of 100 liters. 		
User Interface Platform – Touch screen full color			
	Touch Screen Full Color		
Trend Plot of Test Parameters on touch screen	Included		
Lid Safety System	Included		
	Included		
UL508a Compliance	madded		
Alarm message for preventive maintenance, shows date and hour	Included		
Critical test parameters displayed on single screen	Included		
Open program to set up the corrosion cycles	Included		
Error message display, indicating	Included		

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02 external fog collectors	- <u>-</u>			
Bubble Tower with constant level, automatic supplying of DEI water, no auxiliary tank necessary for long duration test.	 Stainless steel construction, fully removable for easy cleaning. Aeration system 			
Solution tank for continuous testing up to 5 days. System automatic and manual shaking of solution tank. Automatic supplying of DEI water facilitating solution preparation.	 Totally open for easy cleaning. Indication of maximum and minimum level. Filter system for solution. 			
External Dimensions W x D x H (mm) – Closed Lid	2,480 x 1,250 x 1,645	3,400 x 1,600 x 1,800	3,800 x 1,800 x 2,100	
Internal Dimensions W x D x H (mm)	1,300 x 780 x 900	2,080 x 1,080 x 1,000	2,000 x 1,500 x 950	
Approximate crate dimensions W x D x H (mm)	2,600 x 1,300 x 1,850	3,602 x 1,700 x 2,196	-	
Approximate equipment weight (kg)	262	630	720	
Approximate shipping weight – crated (kg)	500	1,100	_	

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Internal Volume (Liters)	1,300	3,000	5,000
Recommendation of temperature for installation site	17°C to 25°C		
Recommendation of relative humidity for installation site	Max. 85% with no condensation		
Electrical Supply	208 ~ 220 \	√ - 50-60Hz – 3 phase (other co	nsult factory)
FLA (230V)	45	56	63
DEI Water Requeriment	ASTM D 1193 Type IV		
DEI water pressure	0.5 to 1.0 kgf/cm ²		
DEI water inlet	½ NPT"		
Compressed Air	Free of oil and water – flow rate and constant pressure – 6 Kgf/cm ² - 3 ~ 4 m ³ /hour		
Chamber Exhaustion	PVC 5" tube, without siphon		
Laboratory Exhaustion	Fume Hood + Motor if necessary		
Service Area	Minimum clearance of 23.6" (60 cm) for an easier cleaning, assembling and maintenance		
Each piece of equipment was carefully designed to meet a specific standard. 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 (SO ₂) test or CASS chamber for humidity test due the chemical contamination that may distort the results. See item 4.6 of Standard ISO 9227.			
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.			
 Note 1: All our equipment is delivered with Installation, Maintenance and User Manuals. We believe this material is enough for the correct use of the equipment. We are available for further questions and clarifications. If necessary, we provide the service of assembling and staff training at client's site (Cost for this service available upon request). Note 2: Appearance and specifications of equipment are subject to <i>change without prior notice</i>. 			



OPTIONALS

• Specimen rack grille type, capacity 120	
kg with distributed load. * Optional – EQOP 0119 – 1300 * Optional – EQOP 0120 – 3000 / 5000	
 Lateral viewing window, avoids dripping onto the specimen. * Optional – EQOP 0007 – Not compatible with 5000 	
• Fiberglass Fume Hood (hood only), Smooth finish on both sides, for easy cleaning, exhaust capacity 1940 CFM. * Optional – EQOP 0011	
 Fiberglass axial fan assembly, capacity 1940 CFM. Net weight: 88 lbs. (40 kg). * Optional - EQOP 0012 	
• DEI Water assembly includes: activated carbon water filter, DI column, LED water quality indicator. * Optional – EQOP 0013	
• Spare DI water column. * Optional – EQOP 0014	
Spare activated carbon water filter. * Optional – EQOP 0015	
Density meter to measure	
concentration of saline solution in accordance to ASTM B 117. * Optional – EQOP 0018	
• Cable port Ø = 2" * Optional – EQOP 0034	Cable Port
Data Acquisition Software: Via USB – PC * Optional – EQOP 0037	
SO ₂ Injection * Optional – EQOP 0045	ASTM G 85 Appendix. 4



Prohesion * Optional – EQOP 0131	ASTM G 85 Appendix 5	
Saturated Humidity by Atomization. * Optional – EQOP 0098	ASTM D 1735	
• SWAAT TEST * Optional – EQOP 0044	ASTM G 85 Apendix 3	
• Device for wall washing Scania STD 4319 and Renault ECC1 * Option – EQOP 0132	Hot DI water **	
• Spray Nozzles to accord with standard RENAULT – ECC1 Incompatible with nozzles: ISO 9227 – ASTM B 117 – ABNT NBR 8094. * Optional – EQOP 0133	Atomization system with increasing fog collection to satisfy ECC1 **	
Further options shall be considered upon request		



	Summary of reference standards in accelerated tests				
Salt spray	CASS/ASS	Kesternich (SO2)	C.C.T (Cyclic Corrosion Test)	Humidity by fog	Humidity by condensation
ASTM B117	ISO 9227 ASS	ASTM G 87	ASTM G 85	GM 4465P	ASTM D 2247
ISO 9227	ASTM B 368	DIN 50018	PV 1210 – VW	ASTMD 1735	DIN 50017
JIS Z 2371	ISO 9227 CASS	ISO 6988-2	GM 9540 P		ISO 6270
BSI 7479	ASTM G 85 *		VDA 621-415		
ASTM D 5894	BS 7479 AASS		Prohesion		
ANFOR A05 101			CCT 1 – HONDA – NISSAN		
BMW AA 1029			CCT 4 – HONDA- NISSAN		
BMW AA -P184			CCT – HONDA		
BMW AA -0324			GMW 14 872		
GM 4298P			FORD CETP: 00.00-L-467		
IEC 60068-2-11			VOLVO STD 423,0014		
ASTM G 85 *			VOLVO STD 1027, 14		
MIL STD 202 G			ISO 11997-1		
MIL STD 810 G			SCANIA STD 4233		
MIL STD 1344, 1001.1			SCANIA STD 4314		
BS 7479			FORD BI 123-3		
SWAAT TEST			VDA 233-102 A,B,C		

***Appearance and specifications are subject to change without prior notice.