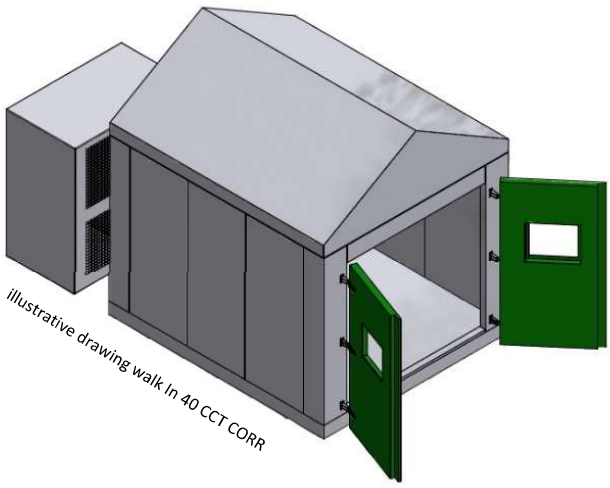
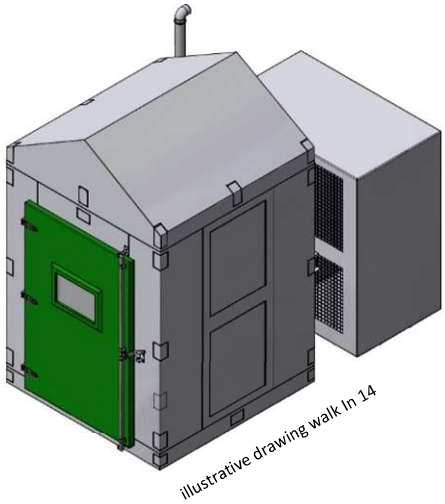
Walk In – C.C.T (Cyclic Corrosion Test) CORR Series (US Patent No. 10371623)



illustrative drawing walk In 40 CCT CORR



illustrative drawing walk In 14

Other dimensions consult us

Specifications/Model	Walk In 14 C.C.T CORR	Walk In 40 CCT CORR	Walk In 55 CCT CORR
Internal and external material	Entirely in fiberglass (No metals)		
Chamber Temperature Range	-22°F to 167°F (-30°C to 75°C)		
Bubble Tower Temperature Range	Ambient + 9°F (5°C) - +165°F (74°C)		
Allows programming cycles with 6 different modes	- Mode: SALT SPRAY / SALT FOG - Mode: CONDENSED HUMIDITY – 100% R.H - Mode: DRY OFF - Mode: SPRAY / STRESS* - Mode: CLIMATIZATION - Mode: LOW TEMPERATURE/SUPER LOW TEMP.* **<u>* Optional modes</u>**		

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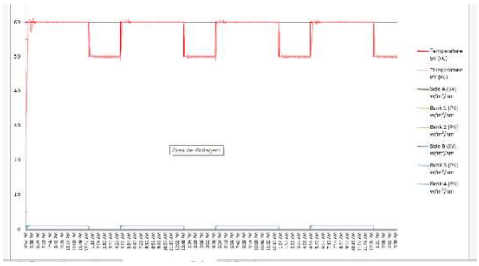
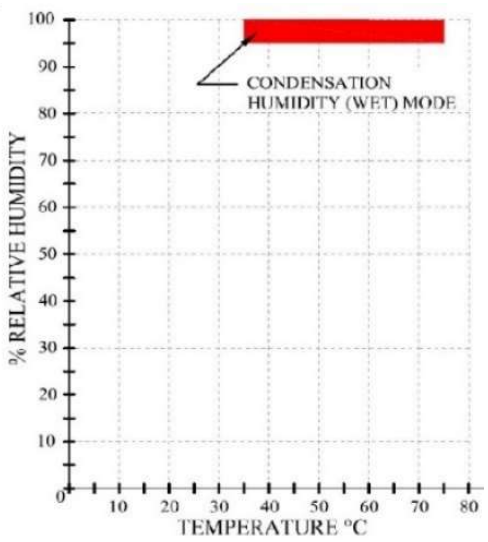
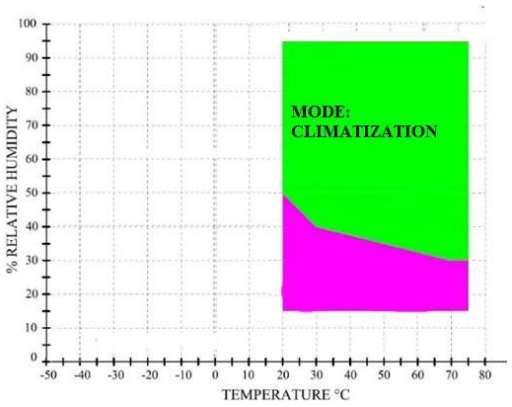
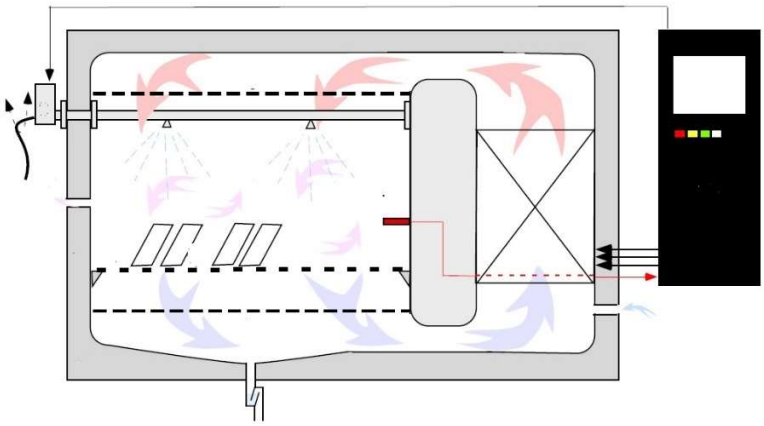
Bubble Tower with constant level, no auxiliary tank necessary for long duration test			
Approximated internal cabinet volume	494.4 ft³ (14 m³)	1,342 ft³ (38 m³)	1,907 ft³ (54 m³)
Data Acquisition Software option: **- By PC (RS 232, USB or R485)**			
MODE: Salt Spray / Salt Fog	- Chamber Temperature Range: Ambient +9°F (5°C) to 122°F (50°C) - Saturator Tower (Bubble Tower) Temperature Range: Ambient +9°F (5°C) to 165°F (74°C) - Resolution of chamber and bubble tower temperature controller: 0.1°C - PT100 temperature sensors – 3 wire - Homogeneity of chamber and bubble tower temperature: ±1.8°F (±1.0°C) - Bubble Tower Pressure Range: 29 kPa min. to 196 kPa max. (4.2psi min. to 28 psi max.) - Fog Collection Range: ASTM B 117, ISO 9227, JIS Z 2371: 1.0 to 2.0 ml/hour, continuous 16 hours of test (consult to: 3.0 +/- 1.0 ml/hour).		

MODE: Condensed Humidity – 95%, +/- 3% % R.H	- Chamber Temperature Range: Ambient +9°F (5°C) to 158°F (75°C), in accordance with the red area of the graphic below. - Relative Humidity: 95% ± 3% - Resolution of chamber and bubble tower temperature controller: 0.1°C - PT100 temperature sensors – 3 wire 
MODE: Dry Off	- **Injection of hot and dry air into the chamber**- the dry air temperature with homogeneity of ± 0.9°F (0.5°C). - Dry Off Temperature Range: Ambient + 9°F (+5°C) to 158°F (75°C), with control of soak and ramp. - Resolution of temperature controller 0.1°C. - Included Timer for Mode, Set Point and Elapsed Time: hh:mm - PT100 temperature sensors – 3 wire. - Isolation System, prevents contamination by SALT SPRAY during the air system injection.

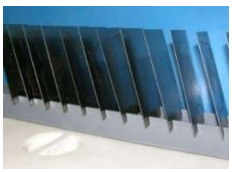
MODE: CLIMATIZATION and LOW TEMPERATURE (Temp. X RH) Air movement vertically.	- The user can set the temperature and relative humidity within the chamber in accordance with the green area of the graphic below. - Temperature range: -22°F to 167°F (-30°C to 75°C), with ramp and soak control - Horizontal air movement inside the chamber. (Vertical Optional) - Cooling System, compressor, evaporator, control valves and software. - Relative Humidity: Green area of graph ± 3%. Purple area on request.  **<u>Super Low Temperature Mode: Consult us.</u>**
MODE: SPRAY / STRESS* **Swaying system, nozzles, pump and motor.** **FORD: CETP:00.00-L-467** **Volvo: STD 423-0014** *** Mode: Accessories Optional**	 illustrative scheme

Trend Plot of Test Parameters on touch screen	Included		
Construction meeting: UL508a	Included		
Alarm message, recommended maintenance displayed on touch screen	Included		
Critical parameters shown on a single screen.	Included		
Programs open for programming the corrosion cycles.	Included		
Error messages display, indicates alarm triggered with description, and saves alarm time and date.	Included		
Visual and sound safety system on screen.	Included		
Specifications/Model	Walk In 14 C.C.T CORR	Walk In 40 C.C.T CORR	Walk In 55 C.C.T CORR
External Dimensions: W x D x H	2,300 x 2,300 x 3,950 mm (90.6”x 90.6” x 155.5”)	3,900 x 3,900 x 4,100 mm (153.6”x 153.6” x 161.5”)	3,900 x 5,400 x 4,100 mm (153.6”x 212.6”x 161.5”)
Internal Dimensions W x D x H	2,000 x 2,000 x 3,500 mm (78.7”x 78.7” x 137.8”)	3,500 x 3,500 x 3,600 mm (137.8” x 137.8” x 141.8”)	3,500x 5,000 x 3,600 mm (137.8”x 196.9”x 141.8”)
Door (W x H)	1,500 x 2,200 mm (59.1”x 86.6”)	3,000 x 2,500 mm (118.2”x 98.5”)	3,000 x 2,500 mm (118.2”x 98.5”)
Ramp (W x D)	1,500 x 1,000 mm (59.1”x 39.4”)	3,000 x 1,000 mm (118.2”x 39.4”)	3,000 x 1,000 mm (118.2”x 39.4”)
Electric panel (W x D x H)	1,500 x 1,000 x 1,500 mm (59.1”x 39.4”x 59.1”)	1,500 x 1,000 x 2,000 mm (59.1”x 39.4”x 78.7”)	1,500 x 1,000 x 2,000 mm (59.1”x 39.4”x 78.7”)
Accessories area Approx. Dimensions (Bubble Tower, Solution Tank, Pumps, and others) (W x D)	2,500 x 2,500 mm (98.5”x 98.5”)		

Refrigeration System (MAP) dimension (W x D)	2,000 x 1,600 mm (78.7”x 63.0”)	3,500 x 1,850 mm (137.8”x 72.8”)	3,500 x 1,850 mm (137.8”x 72.8”)
Meeting Corporative Standard	VW – PV1210, GMW 14872, SAE J2334, ASTM B117, ISO 9227, JIS Z2371, FORD CETP: 00.00-L-467*, VOLVO STD 423-0014*, SCANIA STD 4319, NISSAN CCT I -CCT II, CCT IV, HONDA STRUCTURAL AND CCT MODE, IEC 60068-2-52, ISO 11997-1		
Recommended temperature for installation	63 °F to 82°F (17°C to 28°C)		
Equipment Installation Relative Humidity recommendation	Maximum 85% (without condensation)		
Electrical Supply	460 V-Ø3-50/60Hz (another consult us)		
FLA (460 V)	85	135	150
DI water	In accordance with ASTM D 1193 Type IV		
DI water Pressure	Ø = 1 ¼” - 0.5 to 1.0 kgf/cm²		
DI water connection	Ø = 1” NPT – 350 liters/hour		
Compressed air	Free of oil and water – flow rate and constant pressure – 6 kgf / cm² - 3 ~ 4 m³/ hour		
Chamber Exhaustion Pipe without siphon	Ø = 6” PVC		
Drain	Ø = 1” PVC		
Measurement items: pH, Conductivity NaCl concentration	In accordance with ASTM B 117, JIS Z 2374, ISO 9227		
Service Area	Minimum clearance of 39.4” (1,000 mm) for an easier cleaning, assembling and maintenance.		
Notice: We recommend that for each type of equipment its respective solution is used. That is, never use a Salt Spray chamber as a CASS - ASS - Kesternich (SO2) chamber or as a Wet Chamber because chemical contamination will distort the final test result. See Item: 4.6 ISO 9227 Standard.			
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 with the instruction manual. This warranty does not apply to glassware (lamps). In case of non-warranty issues during warranty period, actual expenses shall apply.			
IMPORTANT: All our equipment is delivered with Installation, Maintenance and User Manuals. We believe these materials are 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: Appearance and equipment specifications are subject to change without prior notice.			

OPTIONAL ACCESSORIES

- (1) rack - 15° or 20° inclination in accordance with ASTM B117 and ISO 9227.



- Special rack for customer supplied test sample.

Factory Consult

- (2) Fog collectors.

- Pressure regulator with water, oil filter and pressure gauge.

- Fiberglass Fume Hood (hood only).

- Fiberglass axial fan assembly capacity: 1940 cfm. Net weight: 88 lbs. (40 kg).

- DI Water assembly includes: activated carbon water filter, DI column, LED water quality indicator.

- Spare DI water column.

- Spare activated carbon water filter.

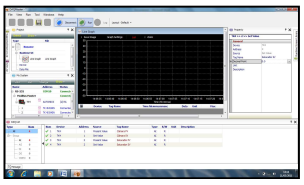
- Density meter to measure concentration of saline solution in accordance to ASTM B 117.

• Bag 50 lbs. – NaCl in accordance ASTM B 117 an d ISO 9227.

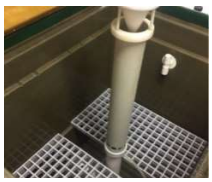
• Test Panels – 2.9” x 5” (76mm x 127mm). In accordance with ASTM B 117 (100 Pieces).

• Test Panels – 2.7” x 5.9” (70mm x 150mm). In accordance with ISO 9227 (100 pieces).

• Data Acquisition Software:
- By PC (RS 232 or USB)



• Grid type test brackets supports 120 kg with distributed load.



• Cable port Ø = 2”

Further optional requests shall be considered upon request.

Summary of reference standards in accelerated tests					
Salt Fog	**CASS/ASS**	**Kesternich (SO_2)**	**C.C.T (Cyclic Corrosion Test)**	**Humidity per fog**	**Condensed humidity**
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		
			VDA 233-102		