

Why EQUILAM NA

Our salt spray chambers are fabricated with reinforced polymer interiors and exteriors (U.S. Patent No. 10,371,623), ensuring the complete absence of metal components within the internal enclosure. This design prevents galvanic corrosion and distortion of test results.

The chamber's indirect heating system operates through a heated air jacket encasing the entire chamber, providing exceptional temperature stability and uniformity. This configuration guarantees reliable, repeatable test outcomes (U.S. Patent No. 10,371,623).

We offer two temperature and relative humidity control systems:

1. Relative humidity measurement inside the test chamber.
2. Relative humidity measurement in the injection air entering the test cabinet (economic version).

The device is inclined at a 100-degree angle and constructed from a plastic material highly resistant to scratching by salt crystals (acknowledging that acrylic surfaces may scratch and cause unwanted dripping onto samples). Since direct viewing of the samples during testing is not possible, our solution includes side windows integrated into the lid, which prevent dripping while allowing observation of the test area.

It is recommended that the test chamber volume be no less than 1,000 liters (excluding the lid volume). Smaller chambers tend to generate turbulence, compromising test accuracy.

Walk-in chambers are typically constructed with a ceiling slope between 90° and 125°. Properly positioned and directed spray nozzles prevent pooling and dripping on the ceiling surface. Nozzles may be installed on the ceiling or the floor, directed upward at an angle of 30° to 60° in a single pass. The number of nozzles required depends on the chamber's type, capacity, and internal area. Small solution reservoirs inside the chamber are essential and must maintain a controlled fluid level.

The main features of a walk-in cabinet, which differ significantly from a laboratory-scale cabinet, include:

- UL-certified electrical panel with IP66 protection rating (resistant to dust and water).

- Bubble Tower (Air Saturation Tower or Humidification Tower) constructed from stainless steel.
- All electrical components UL-certified.
- Emergency stop switch for instantaneous system shutdown, preventing accidents. ●
- Padlock key for safe power isolation during preventive or corrective maintenance.
- Safety relay that interrupts electrical circuits upon detection of faults or potential hazards.
- Control panel with colored LED indicators, providing both visual and audible signals showing machine and process status.
- Visible solution and deionized-water levels in the saturation tower and water jacket, supplemented by electronic safety level indicators.

TECHNICAL STANDARDS for cyclic corrosion.

ASTM D5894
ASTM G85
BMW PA-P-029
FORD CETP: 00.00-L-467
FORD TM 00.00-L-467
GMW 14872
Honda CCT
Honda Structural
IEC 60068-2-52
ISO 11997-1 and 2
ISO 12944

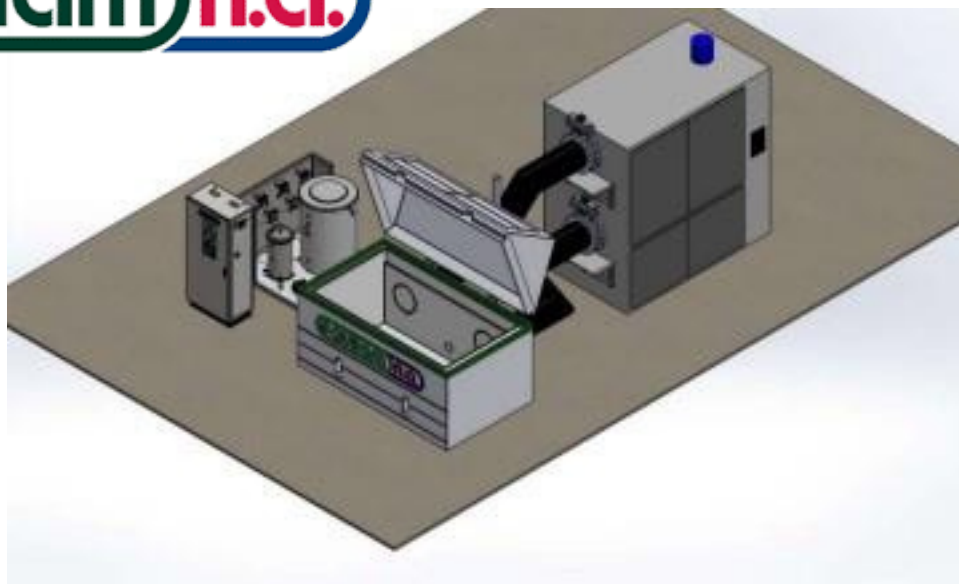
ISO 12944
ISO 16701
ISO 19453-4
JAGUAR TPJLR.52.252
JAGUAR TPJLR.52.265
JAGUAR TPJLR.52.554
JOHN DEERE JDQ 178
MERCEDES BENZ MBN 10518
MIL STD 810D Method 509.2
MIL STD 883 Method 1009.5
NISSAN CCT I,II,IV
RENAULT D 17 2028 C
RTCA/DO-160E
SAE J2334
SCANIA STD 4233
SCANIA STD 4319
SCANIA STD 4445
TESLA TP0000808
TOYOTA TSH 1555G
VDA 232-102
VDA 621-415
VOLVO STD 1027,1375

VOLVO STD 1027,14
VOLVO STD 423-0014
VW PV1209
VW PV1210
YAMAHA YGK-8-501

Serie W.C.C.T CORR AUTO					
	CCT CORR AUTO 15-450	CCT CORR AUTO 28-810	CCT CORR AUTO 45-1200	CCT CORR AUTO 110-3100	CCT CORR AUTO 135-4000
I.D. (w x d x h):					
Inches	32.3" x 25.6" x 30.7"	46.9" x 32.8" x 32.7"	59.0" x 35.4" x 35.4"	98.4" x 49.2" x 39.0"	122.0" x 49.2" x 39.0"
Millimeters	820 x 650 x 780	1,190 x 820 x 830	1,500 x 900 x 900	2,500 x 1,250 x 991	3,100 x 1,250 x 991
Lid not included.					
Internal volume					
Cubic feet	14.7	28.6	42.9	109.4	135
Liters	415	810	1,200	3,097	3,840
Lid included.					

Note: The CCT CORR AUTO series chambers are designed as monoblock, meaning the solution tank and Bobble Tower (Saturator) are in a single unit.

Illustrative photo C.C.T. CORR AUTO 45-1200



Serie W.C.C.T CORR AUTO					
	14-500	18-700	40-15000	55-20000	77-30000
Internal dimensions excluding lid (w x d x h):					
Inches	78.7" x 78.7" x 98.4"	118.1" x 78.7" x 98.4"	137.8" x 137.8" x 98.4"	196.9" x 137.8" x 98.4"	275.6" x 137.8" x 98.4"
Millimeters	2,000 x 2,000 x 2,500	3,000 x 2,000 x 2,500	3,500 x 3,500 x 2,500	5,000 x 3,500 x 2,500	7,000 x 3,500 x 2,500
Door clearance:					
Inches	59.0" x 82.6"	59.0" x 82.6"	118.1" x 83.8"	118.1" x 83.8"	118.1" x 83.8"
Millimeters	1,500 x 2,100	1,500 x 2,100	3,000 x 2,130	3,000 x 2,130	3,000 x 2,130
Internal volume including lid:					
Cubic feet	494.4	642.7	1,412	1,942	2,719
Cubic meters	14	18.2	40	55	77

Walk-In CCT CORRAUTO Dimension: Above are some example dimensions. The construction is panelized, so custom dimensions are possible.

Illustrative photo W.C.C.T CORR AUTO 14-500

