



SINGLETON CORPORATION

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Cyclic Corrosion Test Chambers- CCT

Perform a wide range of accelerated corrosion tests including:

- CCT I, and IV
- ASTM G85 Annex 5
- GM 9540 P
- SAE J 2334

Cyclic Tests include combinations of salt fog/spray, controlled humidity cycles, dry, soak and ambient conditions.

Static Atmosphere Tests

- ASTM B 117 Salt Fog
- ASTM D 1735 Water Fog Humidity

Construction

- CCT10 is a molded composite fiberglass
- Other models are Fuse-Fab™ white polypropylene

Control System Programmable Logic Controller (PLC)

- Operator interface with Touch Screen Controls
- Display provides indication of temperature, humidity, cycles and elapsed time



Model #	Sample Space Volume	Total Vol	Inside Dimensions L" x W" x D" Exposure Zone Depth	Outside Dimensions (cover closed)
CCT 10	21 ft ³ 595 liters	30 ft ³ 850 liters	48 x 33 x 24 actual	84 x 42 x 54 w /integral solution reservoir
CCT 30	32 ft ³ 907 liters	42 ft ³ 1190 liters	48 x 42 x 36	76 x 57 x 63 w/separate solution reservoir (55 gal.)
CCT 40	40 ft ³ 1134 liters	52 ft ³ 1474 liters	60 x 42 x 36	88 x 57 x 63 w/ separate solution reservoir (55 gal.)
CCT 50	49 ft ³ 1389 liters	63 ft ³ 1785 liters	72 x 42 x 36	100 x 57 x 63 w/ separate solution reservoir (55 gal.)
CCT 80	79 ft ³ 2239 liters	98 ft ³ 2777 liters	84 x 48 x 36	112 x 63 x 75 w/separate solution reservoir (55 gal.)

Temperature Range Ambient to 140 °F or 60 °C

Humidity Range

RH Select® Humidity Control (patent # 5824918)

Permits selectable/ programmable humidity exposure conditions from 30-100% (except as limited by extreme temperature conditions) Required to perform ASTM G85 Annex 5, GM 9540P and SAE J 2334. Includes humidity sensor shielding system for accurate readings and testing with more aggressive environments.