



# SINGLETON CORPORATION

leading manufacturer of  
environmental test chambers  
& metal finishing equipment

## CCT Cyclic Corrosion Test Chamber

### Overview

Performs a wide range of accelerated corrosion tests including, but not limited to:

- CCT I and IV
- ASTM G85 Annex 5
- GMW 14872
- 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
- Larger 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 Vol.	Inside Dimensions L" x W" x D"	Outside Dimensions (cover closed)
CCT 10 <sup>1</sup>	21 ft <sup>3</sup> (595 L)	48 x 33 x 24	84 x 42 x 54
CCT 30	32 ft <sup>3</sup> (907 L)	48 x 42 x 36	76 x 57 x 63
CCT 30sl	25 ft <sup>3</sup> (708 L)	48 x 42 x 28	76 x 57 x 55
CCT 40	40 ft <sup>3</sup> (1133 L)	60 x 42 x 36	88 x 57 x 63
CCT 40sl	32 ft <sup>3</sup> (906 L)	60 x 42 x 28	88 x 57 x 55
CCT 50	49 ft <sup>3</sup> (1388 L)	72 x 42 x 36	100 x 57 x 63
CCT 50sl	39 ft <sup>3</sup> (1104 L)	72 x 42 x 28	100 x 57 x 55
CCT 80	79 ft <sup>3</sup> (2237 L)	84 x 48 x 36	112 x 63 x 75
CCT 80sl	53 ft <sup>3</sup> (1500 L)	84 x 48 x 28	112 x 63 x 67

(1) CCT 10 models have internal solution reservoir. All other models have separate 55 gallon solution reservoir.

**Temperature Range**  
**Humidity Range**

**Ambient to 140°F (60°C)**  
**RH Select® Humidity Control**  
**( pat. no. 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.