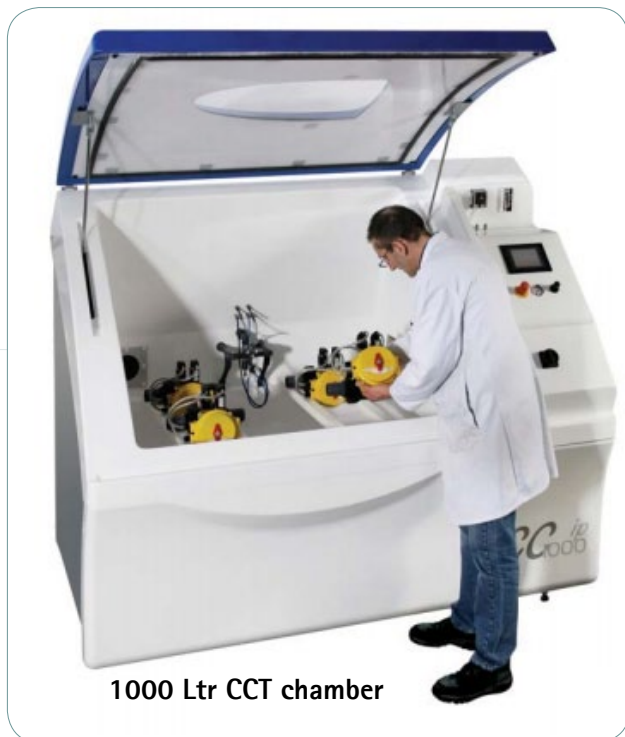


## CYCLIC CORROSION TEST (CCT) CHAMBERS



1000 Ltr CCT chamber

CCT combines traditional exposure to salt spray with a variety of other controlled climates, including variable temperature & humidity, to create an accelerated simulation of service life conditions, according to customer requirements. CCT is, therefore, particularly well suited to predicting product service life expectancy.

Ascott CCT chambers are designed to be flexible enough to comply with as many different CCT specifications as possible. As standard they come with the ability to create 4 distinct climates:

1. Salt spray
2. Condensation humidity (wetting)
3. Air drying
4. Controlled humidity.

These may be programmed to occur in any sequence and be repeated automatically. A wide range of optional accessories enable additional climates to be added to further extend the number of climates and conditions that can be created.

### Five model sizes:

- 450 Ltr (15.8 cu ft)
- 1000 Ltr (35.3 cu ft)
- 1300 Ltr (45.9 cu ft)
- 2000 Ltr (70.6 cu ft)
- 2600 Ltr (91.8 cu ft)

## Performance

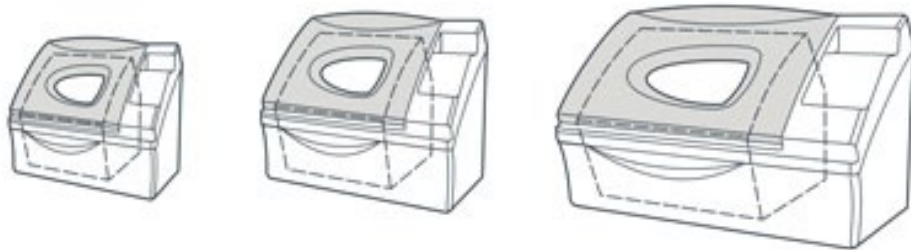
Wetting mode	Temperature range	Adjustable from ambient to +70°C/+158°F
	Humidity range	Fixed at 95% – 100% RH
Salt spray mode	Temperature range	Adjustable from ambient to +50°C/+122°F
	Salt spray fall-out rates	Adjustable from 0.5 to 2.5 ml per 80 cm <sup>2</sup> per hour*
Drying mode	Temperature range	Adjustable from ambient to +70°C/+158°F
	Humidity range	Uncontrolled

## Features

- Touch-screen, full colour user control interface, employing the latest version of our highly intuitive operating software, for ease of programming and use.
- The operating software has a very large capacity for the creation of complex multi-step test programmes, so that the widest possible range of test profiles can be accommodated.
- The icon based control interface offers a variety of languages built-in for ease of understanding and use.
- RJ45 communications port enabling the chamber to be wired or wirelessly connected to a local area network (LAN) for logging and remote programming via a computer running optional software.
- A real-time, user configurable 'clock' to enable different test samples to be batched and have their exposure time monitored separately, with alarms to warn when a pre-set test period has been completed.
- Touch-screen operator control interface.
- 'Easy Open' pneumatically operated canopy.
- Dry seal gasket prevents wetting operator's clothes, etc.
- Low loading threshold for loading and unloading.
- Large capacity salt solution reservoir mounted on castors for mobility.
- Calibration certificate.
- Canopy colour choice.
- Set of sample racks.
- Interior viewing window.
- Consumables spares kit.
- Easily accessible salt spray atomizer(s) in transparent hard-wearing acrylic.
- Purge of the cabinet interior with fresh air after testing and before the chamber is opened.



## Specifications



CYCLIC CORROSION TEST CHAMBERS		CC450IP	CC1000IP	CC2000IP
Chamber Capacity		450 Ltrs/ 15.8cu ft	1000 Ltrs/ 35.3cu ft	2000 Ltrs/ 70.6cu ft
Mounting Format		Floor standing	Floor standing	Floor standing
Loading threshold		800mm/31.5"	800mm/31.5"	800mm/31.5"
Chamber external dims, max	W D H	1660mm/65.4" 840mm/33.1" 1510mm/59.5"	2025mm/80.0" 1205mm/47.5" 1720mm/67.5"	2885mm/113.6" 1205mm/47.5" 1720mm/67.5"
Chamber internal dims, max	W D H	1010mm/39.5" 640mm/25.0" 1140mm/45.0"	1350mm/51.0" 980mm/38.5" 1320mm/52.0"	2160mm/85.0" 980mm/38.5" 1320mm/52.0"
Salt solution reservoir ext. dims	W D H	460mm/18.1" 620mm/24.5" 675mm/26.6"	560mm/22.0" 620mm/24.5" 675mm/26.6"	560mm/22.0" 620mm/24.5" 675mm/26.6"
Salt solution reservoir capacity for extra capacity, see optional accessory ACC02		80 Ltrs/ 21 USgal	115 Ltrs/ 30.4 USgal	115 Ltrs/ 30.4 USgal
Removable slotted sample racks see also optional accessories ACC17/ACC18)		6 racks each with 28 angled slots	8 racks each with 46 angled slots	16 racks each with 46 angled slots
Chamber construction		Glass reinforced plastic, Polypropylene & PVC parts		
Colour		9 standard colours to choose from		
Temperature range		Adjustable from ambient to +50°C/+122°F		
Salt Spray fall-out ranges		Adjustable from 0.5 to 3.0 ml per 80 cm <sup>2</sup> per hour		
Electricity supply		3 phase	3 phase	3 phase
		Voltage (VAC) and frequency (Hz) dependant on country/region of installation		
Water		Deionized/distilled for topping up air saturator and making salt solution. Air saturator requires a continuous water connection 0.5–6.0 bar (7.3–87 psi). If air saturator is topped up manually option ACC66 must be ordered		
Air		Clean dry & oil free, 4.0 to 6.0 bar (58–87psi) with 240 Ltrs (8.5cu.ft) per minute flow		
Exhaust		3m (10ft) exhaust pipe is provided which should be terminated outside building		
Drain		3m (10ft) drain pipe provided which should be terminated into floor level drain		
Operating environment conditions		+18 to +23°C (+64 to 73°F), 85% max RH (non condensing) ambient		