



# CorroFlex Flexible Corrosion Test Chambers

A front loading system for testing large/heavy objects

In addition to our wide range of corrosion test chambers for salt spray and cyclic test standards, to accommodate the increasing demand for testing large components and assemblies, Ascott now offers CorroFlex, a range of flexible dimension front loading corrosion test chambers, with width and depth variable in 0.5m (19.7") increments to provide larger/smaller internal capacities.

The new Ascott CorroFlex range of front loading corrosion chambers are available in two specifications;

- **the salt spray derivative (CFS)** provides the same level of performance and standards compatibility as the Ascott SiS models
- **the cyclic derivative (CF)** the same level as the Ascott CC range.

# CorroFlex Key Features

- Front loading system for testing large/heavy objects which can easily be loaded with fork lift/pallet truck assistance.
- High strength acrylic panel front door with windows for visibility of test samples during testing.
- Polypropylene outer construction, fully resistant to corrosion.

## CorroFlex CFS Features

- Touch-screen monochrome operator interface, for ease of programming and control.
- Central viewing window/s for unimpeded visual access to chamber interior and test material.
- Timed canopy lock and purge of the cabinet interior with fresh air after testing and before the chamber is opened.
- Peristaltic pumping system for precise control and delivery of the salt spray.
- Cabinet heated by externally mounted heater mats, protecting them against damage from the corrosive climate inside the cabinet, and ensuring uniform heat distribution inside the cabinet.
- Easily accessible salt spray atomizer(s) in transparent hard-wearing acrylic with integral filter, for ease of maintenance.
- External portable salt solution tank with wheels, for ease of access to a water source, and an integral drain system for ease of cleaning.
- Base castors and integrated fork lift truck runners, for ease of transportation.
- Calibration certificate.
- Consumables spares kit.

## CorroFlex CF Additional Features

- CF combines salt spray with other environmental conditions such as controlled humidity, drying and wetting.
- Integrated immersion heater to create condensation humidity, for testing to a wider range of 'modified' salt spray tests.
- Upgraded intuitive 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.

# CorroFlex Specifications

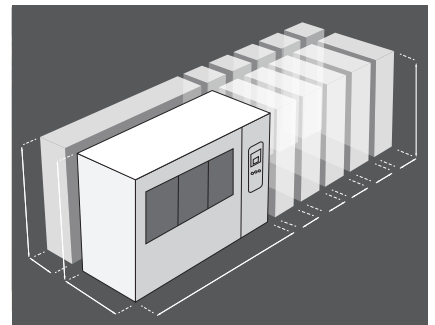
All dimensions and capacities refer to the internal space of the test chamber.

1m Deep (39.4") System	Part Number	Internal Width (mm/ins)	Internal Depth (mm/ins)	Internal Apex Height (mm/ins)	Capacity (Litres)	Capacity (Metres <sup>3</sup> /Feet <sup>3</sup> )	External Width (mm/ins)	External Depth (mm/ins)	External Height (mm/ins)
	CF & CFS1500	1500/59	1000/39.4	1284/50.6	1700	1.7/60	2316/91.2	1226/48.3	2231/87.8
	CF & CFS2000	2000/78.7	1000/39.4	1284/50.6	2300	2.3/81.2	2816/110.9	1226/48.3	2231/87.8
	CF & CFS2500	2500/98.4	1000/39.4	1284/50.6	2800	2.8/98.9	3316/130.6	1226/48.3	2231/87.8
	CF & CFS3000	3000/118.1	1000/39.4	1284/50.6	3400	3.4/120	3816/150.2	1226/48.3	2231/87.8
	CF & CFS3500	3500/137.8	1000/39.4	1284/50.6	4000	4/141.3	4316/169.9	1226/48.3	2231/87.8
	CF & CFS4000	4000/157.5	1000/39.4	1284/50.6	4500	4.5/159	4816/189.6	1226/48.3	2231/87.8

NOTE: Access through front door is 100mm (3.9") less than internal width and 770mm (30.3") in height.

1.5m Deep (59") System	Part Number	Internal Width (mm/ins)	Internal Depth (mm/ins)	Internal Apex Height (mm/ins)	Capacity (Litres)	Capacity (Metres <sup>3</sup> /Feet <sup>3</sup> )	External Width (mm/ins)	External Depth (mm/ins)	External Height (mm/ins)
	CF & CFS1500+	1500/59	1500/59	1338/52.7	2500	2.5/88.3	2316/91.2	1726/68	2231/87.8
	CF & CFS2000+	2000/78.7	1500/59	1338/52.7	3400	3.4/120.1	2816/110.9	1726/68	2231/87.8
	CF & CFS2500+	2500/98.4	1500/59	1338/52.7	4200	4.2/148.3	3316/130.6	1726/68	2231/87.8
	CF & CFS3000+	3000/118.1	1500/59	1338/52.7	5000	5/176.6	3816/150.2	1726/68	2231/87.8
	CF & CFS3500+	3500/137.8	1500/59	1338/52.7	5900	5.9/208.4	4316/169.9	1726/68	2231/87.8
	CF & CFS4000+	4000/157.5	1500/59	1338/52.7	6700	6.7/236.6	4816/189.6	1726/68	2231/87.8

NOTE: Access through front door is 100mm (3.9") less than internal width and 770mm (30.3") in height.



**If you need to test large samples, further details of the Ascott CorroFlex range are available on request.**

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