

# Technical Specification

## Optional Accessories

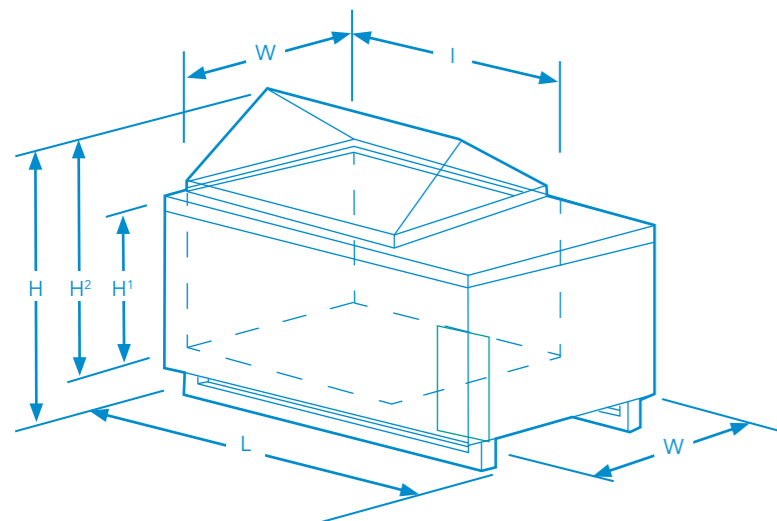
- > Continuous chart temperature and humidity recorder.
- > Entry ports for sensors, air or power connections.
- > Sample racks, sample rods and spiked racks, designed to customer requirements.
- > Transparent apex roof unit.



Cabinet Type		Humidity Conditioning Cabinets			
Models		HCC/200/C 200 litre	HCC/450/C 400 litre	HCC/1000/C 1000 litre	HCC/2000/C 2000 litre
Style		Floor Mounted			
External Dimensions	L	1030mm	1370mm	1960mm	2400mm
	W	700mm	930mm	1335mm	1200mm
	H	1050mm	1130mm	1410mm	1645mm
Internal Dimensions	I	610mm	825mm	1465mm	2000mm
	W	510mm	635mm	1040mm	1000mm
	H <sup>1</sup>	455mm	620mm	720mm	850mm
	H <sup>2</sup>	660mm	875mm	1065mm	1175mm
Panel capacity		80	132	344	516
Power Supply Amp		16	16	32	3 Phase 380 V 50/60Hz
Condenser Unit All Models		Floor Mounted Unit to stand next to test cabinet connected by two flexible hoses. Condenser dimensions: 700mm x 1150mm x 540mm (L x W x H)			
Services		Power supply: 230 V 50/60Hz single phase, other voltages available on request.			
Water		TYPE: De-ionised or mains water below 50mg/litre TDS PRESSURE: 30 to 60psi ( 2 to 4 BAR)			
Drain		36mm outside diameter plastic pipe to liquid waste			
Reservoir With Lid		Supplied on castors with internal solution filter - 500mm x 620mm x 540mm (L x W x H)			



## Humidity Conditioning Cabinets



All cabinets are CE marked and have calibration traceable to UKAS. Certificates of Conformity are supplied on request.  
ISO 9001 Registered Company BSEN ISO9001: 2000.

Due to continuous development we reserve the right to introduce improvements and /or modify specifications without prior notice.

Designed and printed in England Ref: 11-05-HCC

# Humidity Conditioning Cabinets

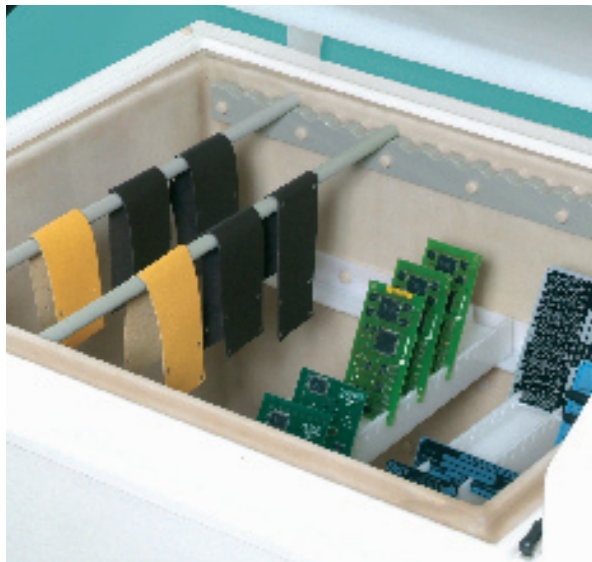


## Humidity Conditioning Cabinets

C&W cabinets are designed to meet the environmental testing requirements of the paint, plastic, packaging, paper, board, electronic, automotive, aerospace, military, textile and telecommunications industries.

The units function as variable humidity, temperature humidity, environmental, climatic or conditioning cabinets. Temperature and humidity testing and product conditioning is of vital importance to the research chemist, development engineer and quality assurance manager to ensure the product is researched, developed and manufactured to a standard guaranteed to survive the environment for which it is designed.

Model HCC/450/C



## Quality

All C & W cabinets are manufactured to a registered quality system BSEN ISO 9001:2000 and our manufacturing procedures are documented, to include calibration traceable to UKAS.

## Standards and Testing

All C&W cabinets are versatile in their application and are designed to perform to National and International Standards including MIL STANDARDS, BS, ISO, ASTM, IEC, DIN, EN and many major corporate standards including Ford, Nissan, Toyota, Honda, IBM.

The chambers are also widely used for basic environmental simulation, humidity testing and conditioning of products prior to their particular application.

## Standard Features

- > 'Soft Touch' waterproof membrane keypad control panel with user friendly tactile keypads giving you full digital display of test chamber temperature and humidity level.
- > Programme Control: The microprocessor controller has the capacity to store up to seven different test methods.
- > Step-up-step-down programming facility of both temperature and humidity in a single program.
- > Automatic conditioned air injection by forced air circulation.
- > Freestanding condenser unit housing, air heater, cooling/conditioning coil and humidification system - fan assisted.
- > NTC temperature sensor and independent capacitive RH sensor with micro membrane filter.
- > Independent water reservoir supply tank with low water audible alarm
- > Variable speed peristaltic pump for delivery of de-ionised water to humidification system via flowmeter

## Design Features

- > Maximum internal volume use with top loading access.
- > Direct humidification system from vapour generator.
- > Additional uniform around cabinet heating.
- > Humidity generator/condenser unit supplied on castors linked to the cabinet by 100mm Dia flexible flow and return ducting.
- > Insulated cabinet – fast recovery time – fast conditioning.
- > Floor standing units.
- > Low maintenance-high quality.

