Humidity Conditioning Cabinets

Designed to meet environmental testing requirements.

www.cw-spec.com
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. Pioneering designs have made C&W the UK leader in the manufacture of accelerated corrosion and environmental test cabinets.

Standard Features

- Programme Control: The microprocessor controller has the capacity to store up to seven different test methods.
- Variable speed peristaltic pump for delivery of de-ionised water to humidification system via flowmeter.
- 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.
- Automatic conditioned air injection by forced air circulation.
Standards

C&W CCT cabinets conform to all leading corporate, national and international standards including:

- **British/ISO/EN Standards:**
  - ISO 7253, BS 3900 F12

- **German Standards:**
  - DIN 50021

- **American Standards:**
  - ASTM B117

- **Japanese Standards:**
  - JIS K 5622-7

- **Corporate Standards:**

Warranty

Subject to agreed maintenance procedures a two year warranty is available. The standard warranty is one year.

‘Soft Touch’ waterproof membrane keypad control panel

Humidity generator/condenser unit supplied on castors linked to the cabinet by a Ø 100 mm flexible flow and return ducting.

Design Features

- Maximum internal volume use with top loading access.
- Direct humidification system from vapour generator.
- Installation in areas of restricted access is made easier due to the compact design aided by wheels and removable lids.
- Additional uniform around cabinet heating.
- Insulated cabinet – fast recovery time – fast conditioning.
- Low maintenance-high quality.
## Technical Specifications

<table>
<thead>
<tr>
<th>Models</th>
<th>CW1602 200 litre</th>
<th>CW1604 450 litre</th>
<th>CW1607 750 litre</th>
<th>CW1610 1000 litre</th>
<th>CW1620 2000 litre</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>External Dimensions</strong></td>
<td></td>
<td></td>
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<tr>
<td>L</td>
<td>1030 mm</td>
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<td>1740 mm</td>
<td>1960 mm</td>
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<tr>
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<td>825 mm</td>
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<tr>
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<tr>
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<tr>
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<td><strong>Panel Capacity</strong></td>
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<td>132</td>
<td>210</td>
<td>344</td>
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<tr>
<td><strong>Power Supply Amp</strong></td>
<td>16</td>
<td>16</td>
<td>16</td>
<td>32</td>
<td>3 Phase 380 V 50/60Hz</td>
</tr>
</tbody>
</table>

### Style
Floor Mounted

### Condenser Unit
Floor Mounted Unit to stand next to test cabinet connected by two flexible hoses. Condenser dimensions: 700 mm x 1150 mm x 540 mm (LxWxH)

### Power Supply
230 V 50/60Hz single phase, other voltages on request

### Water Type
De-ionised or mains water below 50 mg/litre TDS

### Water Pressure
2 to 4 bar (30 to 60 psi)

### Drain
36 mm outside diameter plastic pipe to liquid waste

### Reservoir With Lid
Supplied on castors with internal solution filter 500 mm x 620 mm x 540 mm (L x W x H)

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## Optional Extras

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

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All cabinets are CE marked and have calibration traceable to international standards. Certificates of Conformity are supplied on request. Due to continuous development we reserve the right to introduce improvements and/or modify specifications without prior notice.