



Salt Spray Cabinets

Our specialist testing brand C&W is a pioneer in the manufacture of accelerated corrosion and environmental test cabinets. Our range of Salt Spray Cabinets are widely used to test the corrosion of components and coated test panels, trusted by customers across multiple industries. The innovative design of our salt spray cabinets ensures that they meet or exceed the requirements for all major national, international and corporate standards.

Our range of Salt Spray Cabinets from our specialist testing brand C&W are at the forefront of corrosion testing and precise environmental test conditions, and are trusted for their reliability, ease of operations and robust design. Used throughout a wide range of major industries for testing components and material applications, such as throughout automotive manufacturing, paint and coatings, electronics, aerospace, military, offshore and more.

Business

Aerospace, Automotive, Electronics, Inks & Coatings, All Packaging

Standards

British/ISO/EN Standards:

EN-ISO 7253, BS 3900 F12, BS 3900 F4, BS 2011 Part2: 1 ka, EN 60068.2-52 kb, BS 5466, BS 7479, BS 3900 F18, ISO 20340, ISO 11 997, ISO 9227, ISO 3768.

German Standards:

DIN 50021, VG 95332/4, VG 95210/2

American Standards:

ASTM B117, ASTM D5894, ASTM G85 (1,2,3+5), ASTM B368, SAEJ2334

French Standards:

NFX 41-002, CT. UOI OIA, NFA 91-101, PNX 14-002

Japanese Standards:

JIS Z 2371, JIS H 8502, JASCO M 6009

Corporate Standards:

Ford, Jaguar, Land Rover, G.M, Toyota, Honda, Nissan, Renault, Peugeot, Citroen, Volvo, VW, Audi, BMW

Features:

- Manufactured from high quality materials
- Made out of specially formulated fire retardant glass reinforced polyester (GRP)
- Over-temperature protection
- Ergonomically designed control panel
- Low maintenance – high quality

Scope of supply:

Each Salt Spray Cabinet comes with:

1x CW4088 Installation kit

1x CW4035 Set of Collection Vessel (2 funnel, 2 cylinder)

1x 5kg Salt + Certificate

1x VF7101 Corrosion Handbook

Also includes a 114 Litre Salt Solution Reservoir

Supplied on castors with internal solution filter

500x620x540mm (LxWxH)

Technical Specification:

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

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

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

Water Connection: 10mm ID plastic pipe

Drain: 36mm outside diameter plastic pipe to liquid waste with air breather/vent pipe connected

Reservoir with Lid: 114 Litre Capacity

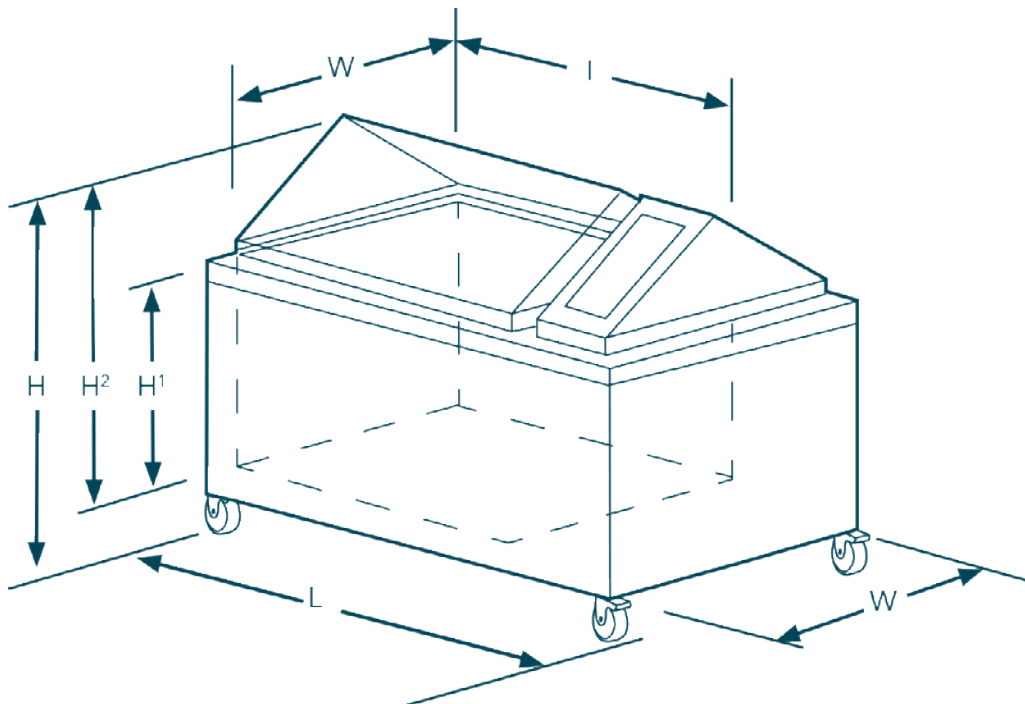


Ordering:

Models		CW1001 100 litre	CW1002 200 litre	CW1004 450 litre	CW1007 750 litre	CW1010 1000 litre	CW1020 2000 litre
External Dimensions	L	1000mm	1030mm	1370mm	1740mm	1960mm	2750mm
	W	600mm	700mm	930mm	1230mm	1335mm	1220mm
	H	645mm	1035mm	1115mm	1365mm	1395mm	1630mm
Internal Dimensions	L	600mm	610mm	825mm	1120mm	1465mm	2000mm
	W	450mm	510mm	635mm	870mm	1040mm	1000mm
	H ¹	375mm	455mm	620mm	780mm	720mm	850mm
	H ²	565mm	660mm	875mm	1070mm	1065mm	1175mm
Panel Capacity		72	80	132	210	344	516
Power supply Amp		13	13	13	13	20	3 Phase 380 V 50/60Hz
Style		<ul style="list-style-type: none"> • Bench Mounted • Floor Mounted 					

Compressed Air Type: Clean, dry, oil free
 Flow: 3.5 cfm at 15 psi
 6 to 8 bar (90 to 120 psi)
 Pressure: 2 to 4 bar (30 to 60 psi)
 Connection: 10mm ID plastic pipe

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.



Optional Accessories:

- Automatic Switchover device – for automatic switch-over to standby or regular air supply
- Cable Entry Ports – for cable access to monitoring equipment or power induction
- External salt fog collection vessels
- Compressor – available for continuous use or stand-by function: high specification, oil free
- De-Ioniser & water filters – recommended for areas with hard water or high total dissolved solids (50mg/litre TDS)
- Special racking – to support components/samples in test areas as required
- Low level Reservoir Alarm
- Salt fog condenser venting system
- Ergonomic height bench also available for 100L Models

C&W Specialist Salt

C&W Specialist Salt is Sodium Chloride which quality complies to the stringent ASTM B117 standard. The Sodium Chloride's grain and purity is specially formulated for saline spray (fog) for corrosion testing with C&W Salt Spray and CCT cabinets. Supplied with a Certificate of Authenticity and a Certificate of Conformity.

Industries:

Aerospace, Automotive, Electronics, Inks & Coatings, Metal Packaging

Materials:

Aluminum, Steel, Plastics

Standards:

ASTM B117, ISO 9227

Ordering

The salt is conveniently and safely packed in 25kg or 5kg containers keeping the salt free from moisture and contamination. No weighing needed. Just add one 5kg bucket to a 100 litre reservoir and add water until the 100 litre level is reached. This is the ideal mixture for salt spray testing. The 5kg buckets can only be ordered in sets of 4. Both the handy 5kg buckets and the economic 25kg buckets are fitted with a handle for optimal lifting.



Cabinet Variants:

C&W manufactures a wide range of corrosion cabinets including conventional salt spray cabinets, prohesion cabinets, CASS cabinets, combination salt spray/humidity cabinets and combination salt spray/prohesion-humidity cabinets.

Combination Salt Spray/Mebon Prohesion Cabinets

These cabinets perform both standard salt spray and cyclic Prohesion® functions independently, an ideal solution when space is at a premium and test requirements do not justify separate test cabinets for each function.

CASS Cabinets

Developed to carry out all standard salt spray and high temperature CASS tests typically employed when corrosion testing chrome plating on steel and plastic.

Prohesion®

Prohesion® cabinets, originally developed by C&W, simulate natural weathering and provide a realistic method of accelerated corrosion testing for heavy duty industrial, marine and structural steel coatings.

Combination salt spray/humidity cabinets (CCT)

This variant operates as a standard salt spray cabinet but with the added benefit that it can be switched on to operate as a humidity cabinet. When in the salt spray mode all given standards can be achieved. In humidity mode the cabinet will operate between 30° C and 70° C with a constant RH of 95-100% saturation.

Also available are Salt Spray/Mebon Prohesion/Humidity Cabinets.

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