

SALT FOG CORROSION TEST CABINET

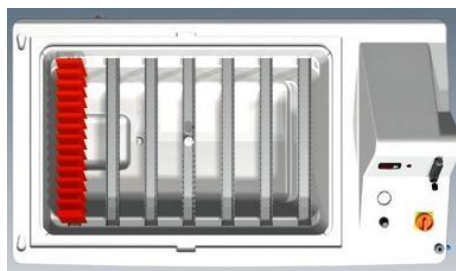
Datasheet

VF7705 – 500 L

VF7710 – 1000 L

Product description

The TQC salt fog test cabinets offers a quick and reliable accelerated corrosion test in a wide field of applications like paint, metals, electronics etc. Ease of installation and simplicity of operation is guaranteed by an easy to understand control panel with minimum user intervention. High reliability arises from the uncomplicated design coupled with the use of high quality component parts.



Top-view



We offer two cabinet sizes in volume capacity of 500 litres and 1000 litre. For each cabinet the maximum available use full cross sectional area is chosen to create the optimum amount of test samples without compromising on good ergonomics. The cabinet has a convenient loading height and an easy to reach back wall and bottom. The entire design is based upon a robust (GRP) Glass Reinforced Plastic construction. Combined with other plastic materials guarantees a corrosion resistant finish and long life.

Standards

The TQC salt fog test cabinets are capable and comply with the most international standards for salt fog testing including; ASTM B117, ISO 9227, DIN50 021, JIS Z 2371.

Application area's

Paint production, Paint application, Electronics, Qualicoat, Qualisteel, Plating, Production, Material testing, etc.

Features

The control panel is equipped with a digital dual function temperature controller for individual chamber and bubble tower settings. The cabinet is heated by a wrap-around, wall bonded heater mat to protect it against the corrosive climate. A fully accessible internal workspace is created by opening of the roof lid which has a water slot to prevent the escape of salt fog out of the chamber.

Sample racks (7 or 9 pcs. depending on size 500/1000l) to optimize positioning samples under test..
 De cabinet is fitted with lockable wheels to move and set the unit where needed.



Optional items

For cabinet

Internal loading platform
Installation kit
Insulated roof lid
Additional salt water tank
Spares kit
Extra sample holders
Fall-out measuring kit
Soft (demi)water installation

VF7705

VF7805
VF7807
VF7803
VF7800
VF7801
VF7808
VF7802
On request

VF7710

VF7806
VF7807
VF7804
VF7800
VF7801
VF7809
VF7802
On request

Technical specifications

Workspace capacity
Capacity saltwater reservoir
Sample holders
Slots per sample holder
Max no. Of test panels
Cabinet temperature
Bubble tower temperature
Electrical connection
220/240 VAC 1ø, 60/50 Hz
Salt fog fall-out rate

VF7705

500 litre

7
30 (24*)
204**

Ambient.... +50°C
Ambient.... +65°C
6 Amps.

Adjustable from 1- 2 ml p hour / 80 cm²

VF7710

1000 litre

9
38 (32*)
336**

9 Amps.

* Sample holders are pre-cut with 3 mm slots, angled at 15° to hold test panels and other test samples as well. All but one the holders can be removed. One holder – fixed in the centre of the workspace, supports the salt fog atomiser as well, has 6 fewer slots available for use.

** The maximum number of test panels accommodated is determined by standardized panels of nominal dimensions; 100 mm wide by 150 mm high (4"x6").

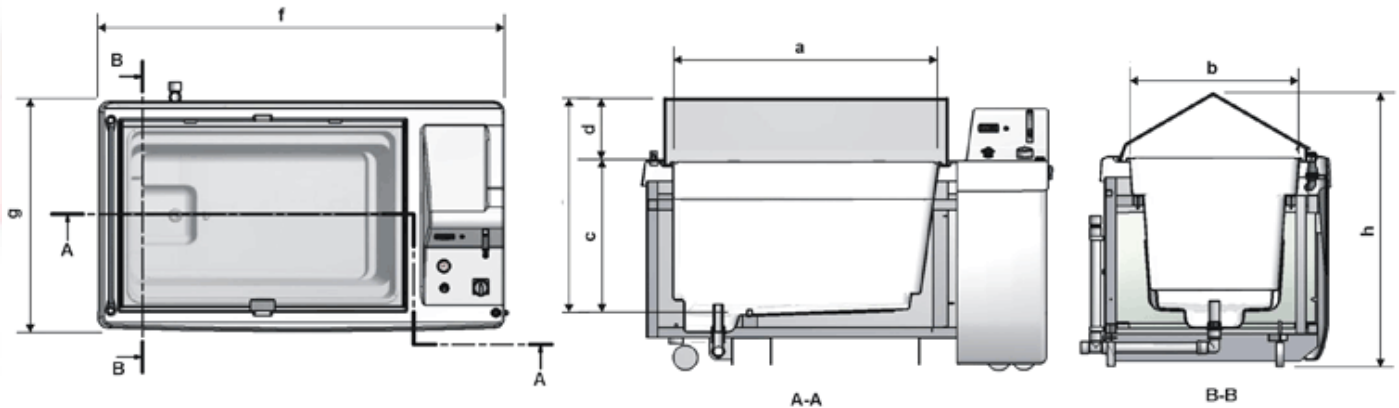
Installation conditions

All cabinets are moved on lockable wheels, set and secured when in position.
A combined exhaust drain removes waste water and fog from the cabinet which requires connection to an exhaust vent to atmospheric pressure and low level waste water drain.
Electrical connection is single phase 230/240 Volt which requires connection to a mains supply, voltage and current stated for the cabinet. Compressed oil free air is needed to atomise the salt water into fog. Demineralised water is required for filling the Bubble-Tower and making up the salt water to be sprayed.

Maintenance

- Always clean the instrument after use with warm water to solute the salt.
- Never clean the instrument by any mechanical means.
- Don't use any sharp tool to clean the spray nozzle. This causes irreversible damage to the nozzle...
- We recommend an annual check-up of the cabinet.

Dimensions



Sizes in mm	a	b	c	d	e	f	g	h
500 litre	1076	683	616	251	867	1650	934	1102
1000 litre:	1553	863	620	304	924	2127	1127	1159

Disclaimer

The information given in this sheet is not intended to be exhaustive and any person using the product for any purpose other than that specifically recommended in this sheet without first obtaining written confirmation from us as to the suitability of the product for the intended purpose does so at his own risk. Whilst we endeavour to ensure that all advice we give about the product (whether in this sheet or otherwise) is correct we have no control over either the quality or condition of the product or the many factors affecting the use and application of the product. Therefore, unless we specifically agree in writing to do so, we do not accept any liability whatsoever or howsoever arising for the performance of the product or for any loss or damage (other than death or personal injury resulting from our negligence) arising out of the use of the product. The information contained in this sheet is liable to modification from time to time in the light of experience and our policy of continuous product development.