

# Salt Spray & Corrosion Test Chamber

CAPABILITY SHEET - SALT FOG, CYCLIC CORROSION, WALK-IN AND SAND & DUST CHAMBERS

## THE SYSTEM

|                 |                                                                                                                                                            |
|-----------------|------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>WHAT</b>     | Salt fog, cyclic corrosion, walk-in corrosion and sand and dust chambers for defence, automotive, marine and coating laboratories.                         |
| <b>OUR ROLE</b> | Chamber and lid, brine and atomiser, dispersion tower, air saturation, collection and pH instrumentation, alarms, neutralised drain, AMC.                  |
| <b>STATUS</b>   | Quoted against successive salt spray, corrosion and dust chamber requirements for defence test laboratories; no delivered chamber of the class is claimed. |

## THE GOVERNING IDEA

|                                      |                                                                                                                                            |
|--------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------|
| <b>CHEMISTRY, WITH A TIMER ON IT</b> | Not uniformity, collection rate, concentration, pH and temperature together. Miss one and you have run a different test, not a harder one. |
| <b>UNIFORMITY IS THE MACHINE</b>     | A chamber that fogs unevenly ranks specimens by where they sat, not by how good they are - and the results still look like results.        |
| <b>IT MUST SURVIVE ITSELF</b>        | Warm salt fog runs for thousands of hours. A chamber that corrodes becomes a contaminant and quietly invalidates every test after it.      |

## THE MACHINE

|                                   |                                                                                                                                  |
|-----------------------------------|----------------------------------------------------------------------------------------------------------------------------------|
| <b>CHAMBER + DISPERSION TOWER</b> | Moulded corrosion-proof body, sealed lid, heated walls, and a tower that turns a jet into a fog which settles evenly.            |
| <b>AIR + BRINE</b>                | Filtered, metered brine atomised into oil-free compressed air humidified through a saturator held above chamber temperature.     |
| <b>PROOF + CONTINUITY</b>         | Collection rate measured at more than one position, concentration and pH checked, level control, alarms and a neutralised drain. |

## DISTINCT & HONEST

|                               |                                                                                                                                                                                    |
|-------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>NOT A CLIMATIC CHAMBER</b> | That machine controls temperature and humidity and shows a wrong number when it drifts. This one drifts invisibly, so verification is physical.                                    |
| <b>WHAT VOIDS A RUN</b>       | An interruption is not a pause - drying changes the attack, the comparison becomes unsafe, and a careful laboratory restarts rather than resumes.                                  |
| <b>ENGAGEMENT</b>             | Send specimen size and quantity, test type and duration, and the collection rate your standard demands to <a href="mailto:sales@neometrixgroup.com">sales@neometrixgroup.com</a> . |

## DEFENCE PROGRAMMES DESK

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