weisstechnik®
a schunk company

Corrosion Alternating Test Chambers SaltEvent SC

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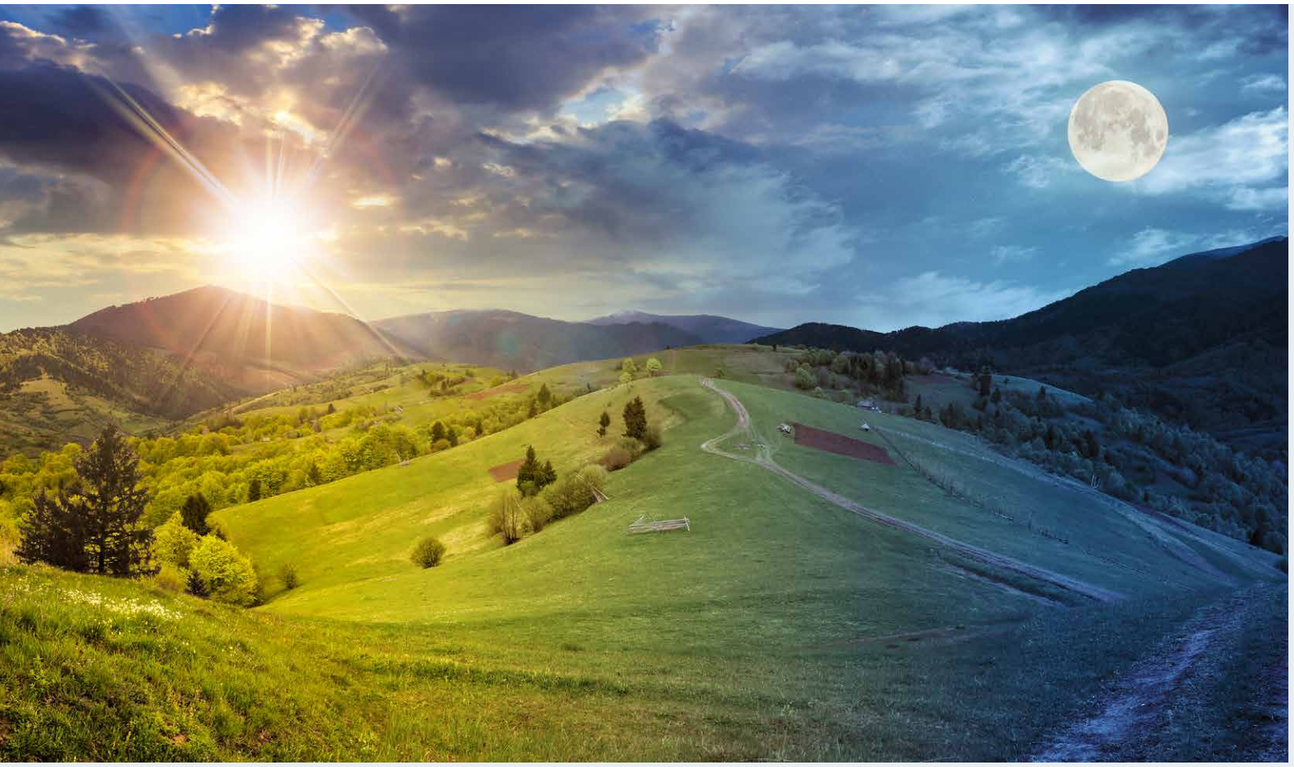
Test whatever you like.

From boot to bonnet – in research, development and quality control, you won't want to take any chances. We'll support you.



Corrosion firmly under control.

High humidity, salty air, seawater, and gritting salt – many small and large things in daily life are exposed to corrosive atmospheres. Corrosion does not just affect base metals, but also high-alloyed, tempered materials, plastics, and painted surfaces. That's why corrosion resistance is an important quality indicator and safety feature for many products. With the **weiss**technik® Corrosion Alternating Test Chambers SaltEvent SC, you can simulate the effect of salt spray and condensation. Reproducible, certified, and under accelerated conditions.

Lots to test? No problem!

When testing your products, you must adhere to numerous test standards and carry out long-term tests. Our test chambers are designed for these situations. Our models cover a wide range of applications and satisfy every need. For specific requirements, you can upgrade every system with many options based on your individual needs.

Perfection in performance, equipment and design.

Corrosion Alternating Test Chambers SaltEvent SC.

Completely thought through.

We know what matters for your tests: reliable, precise and reproducible results. That's why we design our test chambers to meet exactly these demands. Because incorrect results lead to incorrect conclusions. With this in mind, we already eliminate any interference factors during the design phase, relying on our comprehensive expertise and years of experience.

Perfectly manufactured.

For us, quality is our daily business. We use only high quality materials and manufacture many of the components for our test chambers in-house. In addition, we also have regular quality checks in place throughout the entire production process.

Absolutely low maintenance.

Set up, plug in, start the test. No installation necessary. The intelligent, compatible control elements and intuitive user interface guarantee easy operation. Easily accessible maintenance elements ensure minimal service times. Diagnostics and inspection systems in every machine additionally shorten downtimes and optimise maintenance periods.

Reliable measurement results are possible thanks to:

- Optimal spray mist distribution due to a precision two-component nozzle
- Extremely stable temperatures due to a double-shell construction with internal insulation and heated compressed air humidifier with water level control
- Adjustable flow meter and doser for solution
- Test space and hood construction in accordance with all standards: any droplets created by the spray cannot drip on the samples tested.

More equipment, right from the start.

Basic equipment setting standards.

Exterior

- **Everything is sealed**
  The hood and test chamber are hydrostatically sealed using a U-shaped profile. The resulting groove is automatically filled with demineralised water and prevents salt spray from getting into the laboratory – safely and permanently.

Interior

- **Stay flexible**
  The brine solution required for the tests is stored in a removable, portable brine tank. This tank is easy to clean and can be fully disconnected without using any tools if required.

- **Test more**
  The specimen can be distributed on the support beams or the floor grid. Beams can be placed at 2 different heights, the pipes can be arranged in a given pattern. This maintains flexibility while testing different samples.

Communication

- **Networking according to your needs**
  Test and diagnostics information are sent to a PC via Ethernet interface or can be stored on a flash drive using the USB interface. Monitoring and control is possible from any workplace computer.

You can find further details on equipment in our technical descriptions. **Contact us.**

Reliable control as a standard:
Digital measurement and control system for operating and monitoring the test chamber.

SIMPAC® controlled I.I

Tailor-made testing.

Optional equipment for individual solutions.

Exterior

- **Fresh air**
  Using a ventilation system complying with DIN 50014-5, the corrosive test chamber air can be removed from the test chamber.

Interior

- **Precise measurements**
  You can measure the corrosive precipitation rate automatically at up to 8 points in the test space. The mean value of the precipitation rate is displayed and updated throughout the test.

- **Safe dosages**
  The unit can also be equipped for tests in an alternating climate with an atmosphere containing SO_2 in accordance with DIN 50018 using an automatic gas dosing device. The additional lock prevents an accidental opening while the test is running.

Regulation & Control

- **Set standards in communication**
  With S!MPATI® software, operating, documenting and archiving your test sequences is as easy as child´s play.

You can find further details on equipment in our technical descriptions. **Contact us.**

Developed exclusively for you:
The unique software package
for the perfect test process.

Convincing technology. Reliable results.

The performance data at a glance:

Type			SaltEvent SC 500	SaltEvent SC 1000
Test space volume		**l**	504	1028
Test space dimensions	height with hood	**mm**	1140	1140
	height without hood	**mm**	700	700
	width	**mm**	875	1675
	width with spray duct	**mm**	765	1575
	depth	**mm**	645	645
Exterior housing dimensions	height	**mm**	1344	1344
	width	**mm**	2100	2930
	depth	**mm**	970	970
Temperature range	Salt spray test		5 K above ambient temperature up to +50 °C	
	Condensed water test		5 K above ambient temperature up to +42 °C	
Temperature stability in time[1]		**K**	±1	±1
Water consumption	Salt spray test	**l/h**	0.4	0.4
	Condensed water test	**l**	18	34
Consumption of brine	Salt spray test	**l/h**	0.4	0.9
Air throughput[2]	Salt spray test	**m^3/h**	1.4	1.4
Calibration values[3] **for test space temperature**	Salt spray test	**°C**	+35	+35
	Condensed water test	**°C**	+40	+40
Calibration value[3] **for pressure humidifier temperature**		**°C**	+49	+49

[1]The evidence of temperature stability takes place at ambient temperature of +23 °C ±2 K in the middle of the test space when this is empty and in a steady state, without specimen, heat radiation and optional equipment.
[2]At 0 °C and 1 bar.
[3]Factory calibration.

The performance data refer to +23 °C ±2 K ambient temperature, 230 V/50 Hz nominal voltage, without specimen and optional equipment. The permitted ambient temperature is between +18 °C and +30 °C. The max. permitted humidity must not exceed 75 % RH.

We reserve the right to make any technical changes.

Become more efficient.

Our solutions will save you time and money.

Get the most out of your test facility.

Create your own perfect testing process with the S!MPATI® software package.

Process management/Documentation/Networking

- Up to 99 systems can be connected
- Programs for automated processes
- Documentation, visualisation and management of process data
- Traceability of process data for seamless quality control

We measure ourselves by our service!

24/7 Service Helpline: +49 1805 666 556

Our services – lots of good arguments:

- Global service network
- Wide selection of preventive maintenance
- Reliable spare part supply
- Special deployments available any time
- Training programmes for our customers
- Certified proper disposal of outdated devices

You can always find a **weiss**technik® expert near you.

weisstechnik®
Test it. Heat it. Cool it.

Our solutions are deployed around the world in research, development, production and quality assurance of numerous products. Our experts from 21 companies are at your service in 14 countries, ready to provide support to ensure high operational reliability of your systems.

Weiss Umwelttechnik is one of the most innovative and significant manufacturers of environmental simulation systems. With these testing systems, we can simulate all climatic conditions around the globe and beyond, under accelerated conditions. Whether temperature, climate, corrosion, dust or combined shock testing: We have the proper solution. We supply systems in all sizes, from standard versions up to customised, process-integrated facilities – for high reproducibility and precise test results.

Vötsch Industrietechnik, a subsidiary of Weiss Umwelttechnik, offers a wide product portfolio in the field of heating technology. With an experienced team of engineers and designers, we develop, plan and produce high-quality and reliable heating technology systems for virtually any field of application. Products include heating/drying ovens, clean room drying ovens, hot-air sterilisers, microwave systems and industrial ovens. The portfolio reaches from technologically sophisticated standard versions to customised solutions for individual production operations.

A further Weiss Technik company, Weiss Klimatechnik, also offers reliable climate solutions wherever people and machinery are challenged: in industrial production processes, hospitals, mobile operating tents or in the area of IT and telecommunications technology. As one of the leading providers of professional clean room and climate solutions, we deliver effective and energy-saving solutions. Our experts will guide you from the planning to the implementation of your projects.

Weiss Pharmatechnik, a subsidiary of Weiss Klimatechnik, is a competent provider of sophisticated clean room and containment solutions. The product range includes barrier systems, laminar flow facilities, security workbenches, isolators and double door systems. The company emerged from Weiss GWE and BDK Luft- und Reinraumtechnik and has decade-long experience in clean room technology.

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