



Product Data Sheet

SAL 3000-FL (+60°C)

Relevant Test Standards

Salt Spray Test:

- DIN EN ISO 9227
- DIN 50942, DIN 53167
- ASTM B 117-73, ASTM B 287-74
- ASTM B 368-68
- ISO 7253 ISO 3678
- BS 1224, BS 2011, BS3900 F4
- BS 3900 F12
- BS 5466 Part I, BS 5466 Parts 2 + 3
- NFX 41002,
- AS 21331 Section 3.1
- SIS 1841190
- JIS Z 2371
- IEC 60028-2-11 KA



Product Description

These compact and easy to operate front loading corrosion test cabinet is designed for conducting salt spray tests pursuant to the most common international corrosion tests such as:

- **DIN EN ISO 9227 (SAL, ASS, CASS)**
- **ASTM B117-73**
- **IEC 60028-2-11 KA**

This type of cabinet also allows conducting standard water condensation (high humidity) tests acc. to ISO 6270-2 (CH) but only with manual refilling of the chamber with demineralized water. The compressed air and the solution pump should be also switched off manually.

Order Information

Basic model: SAL 3000-FL

Article number:

- V.718.072.020

Sales & Support:

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Monday to Friday

8:00 am – 17:00 pm

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Specification subject to changes
Pictures might differ from original

Customer Benefits

- Cost effective solution for basic salt spray (SAL)
- Compact front loading (cabinet) design
- The VLM technology allows the best possible reproducibility of the temperature conditions
- The test chamber with the bottom made of steel is more robust and less susceptible for damages compared to the competitive products made of glass reinforced plastic
- Lower cost of ownership compared to the competitive products where the test chamber is made of glass reinforced plastic (shorter test periods, better energy efficiency, easier for service and maintenance, longer life cycle, more resistive to mechanical damages)
- User friendly control system with preconfigured test parameters
- Test cabinet is made of recyclable materials



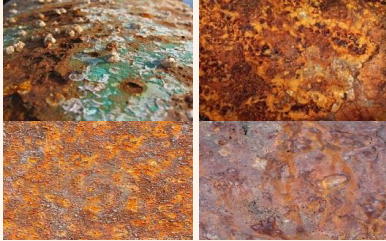
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Relevant Test Standards

Water condensation tests:

- DIN EN ISO 6270-2:2005
- BS 3900 F2
- BS 3900 F15
- ASTM D2247



Jumo dTRON controller

The following accessories are included:

- 6 rods for supporting test specimen
- 2 m exhaust hose Ø 125 mm
- 2 m drain water hose Ø 32 mm
- 1 female connector for the compressed air hose (size no. 7)



Option: System for specimen treatment

Technical Specifications

Capacity	ca. 3000 L
Inner test chamber dimensions (WxDxH1/H2)	ca. 2200 x 1100 x 1100/1450 mm
Outer dimensions of the casing (overall) W/D/H	ca. 3350 x 1300 x 2400 mm (height including bench cabinet)
Required power supply	400V, 50/60 Hz, 5,0 kW
Materials used	test chamber is made of stainless steel, bottom coated with ECTFE, side walls made of Polyethylene with milled openings for supporting rods
Heating	Flat Micanite heater under the bottom of the chamber for fast and uniform heat transfer
Sensors	- In basic type: 1x corrosion resistant and highly sensitive temperature sensor
Temperature stability	±0,2°C
Aeration (type AIR)	NA
Timer	Two channel timer for automated switch over from heating to aeration mode
Weight	800 kg
Max operating temperature	+60°C
Communication (option)	RS 232 interface
Other specification	
Purity demineralized water / filling volume / fitting	< 5 µS/cm / ca. 3,5 L / ¾" outer diameter Option: Automatic water refill
Tap water (connection type)	Always via Ion-exchanging cartridge (¾" outer diameter)
Compressed Air	6-8 bar (connection nipple size 7)
Waste water, drain	Pipe fittings (spiral hose ID 32 mm)
Exhaust pipe outer diameter	Pipe fitting (125 mm external diameter)
Supporting rods / max load	Stainless steel coated with plastic / 30 kg load each

Process Control

- User friendly, microprocessor based Jumo dTRON controller
- Programmable timer function
- **Option:** VisiCORR® software for visualisation of test trends, only in combination with RS 232 (only monitoring and documenting the test)
- Restricted access for authorised operators (security code)

Operating system salt spray test (SAL) according to ISO 9227

- Electronically controlled self-venting membrane pump with electronic flow check (flow quantity and bubble detector)
- Hi-end nozzle for two fluids (test solution and compressed air) with adjustable air cap made of polycarbonate with PEEK
- Transparent humidifier of Duran glass with easily replaceable PE-sintered filters for fine distribution of compressed air or full saturation with moisture and automatic water refill
- Manually activated air purge in order to blow out the salt mist from the test area before opening the lid

Options

- **CCL:** Chamber cleaning with rotating nozzle after the salt spray test is finished
- **ST:** The specimen treatment option is required when test procedure prescribes the corrosion process to be stopped after the salt spray test is finished. It is done by flushing the specimens with demineralized water and drying them with warm air. A number of nozzles are used to spray the demineralized water directly upon specimens and removing the remnants of the salt crust. In addition a ventilation system with air heater is added to enable fast drying of the specimens.