



# Product Data Sheet

## SAL 600-TL (+55°C)

### Applicable Test Standards



#### Salt Spray Test:

- DIN EN ISO 9227 (NSS, AASS, CASS)
- DIN 50942, DIN 53167
- ASTM-B 117-73, ASTM-B 287-74
- ASTM-B 368-68
- ASTM-G 85
- ISO 7253 ISO 3678
- BS 1224, BS 2011, BS 3900 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



### Legend

SAL – Salt spray test

### Product Description

**These compact and easy to operate top loading corrosion test chests are designed for conducting salt spray tests pursuant to the most common corrosion test standards such as:**

- **DIN EN ISO 9227 (NSS, AASS, 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 must also be switched off manually.**

### Order Information

Basic model:

**SAL 600-TL**

Article numbers version:

- V.714.065.050 (SAL)

### Sales & Support:

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Specification subject to changes  
Pictures might differ from original

### Customer Benefits

- Cost effective solution for basic salt spray (SAL)
- Compact top loading (chest) design
- The VLM technology allows the best possible reproducibility of temperature conditions
- The test chamber with the bottom made of steel is more robust 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 due to 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
- Possible to manually configure and operate this test chest acc. to ISO 6270-2 CH water condensation (high humidity) test
- Test chest is made of recyclable materials



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Figure 1 JUMO controller

### The following accessories are included:

- 6 rods for supporting test specimen
- 2 m exhaust hose  $\varnothing$  50 mm
- 2 m drain water hose  $\varnothing$  32 mm
- 1 female connector for compressed air hose (size no. 5)

### Technical Specifications

Capacity	ca. 600 L
Inner test chamber dimensions WxDxH1/H2	ca. 910 x 710 x 660 / 1000 mm
Outer dimensions of the casing (overall) WxDxH	ca. 1436 x 795 x 1192 mm
Required power supply	230V, 50/60Hz, 2000W
Materials used	The walls of the chamber are made of Polypropylene while the bottom is made of stainless steel and coated with ECTFE. The walls have milled openings for supporting rods
Heating	Flat Micanite heaters under the bottom of the chamber for fast and uniform heat transfer
Sensors	1x corrosion resistant and highly sensitive temperature sensor
Temperature stability	$\pm 0,5^{\circ}\text{C}$
Chamber washing	Optional
Test programming	yes
Weight	230 kg
Communication	RS 232 interface (optional)
Max operating temp.	+55°C
<b>Other specification</b>	
Purity demineralized water / fitting	< 5 $\mu\text{S}/\text{cm}$ / $\frac{3}{4}$ " outer diameter Option: Automatic water refill
Tap water (connection type)	Always via Ion-exchanging cartridge ( $\frac{3}{4}$ " outer diameter)
Compressed Air	6-8 bar (connection nipple size 5)
Waste water, drain	Pipe fittings (spiral hose ID 30mm)
Exhaust pipe outer diameter	Pipe fitting (50 mm external diameter)
Supporting rods / max load	Stainless steel coated with plastic / 30 kg load each

### Process control

- User friendly, microprocessor based controller (Figure 1)
- Programmable timer function
- **Option:** VisiCORR software for visualisation of test trends, only in combination with RS 232 (option)
- Restricted access for authorised operators (security code)

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

- Electronically controlled membrane pump (flow monitor)
- 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

### Notes