



Product Data Sheet

SAL 600-TL (+55°C)



Legend

SAL – Salt spray test

Applicable for the Following Salt Spray Tests

Salt Spray Tests SAL, NSS, CASS

Order Information

Basic model:

SAL 600-TL

Article numbers version:

V.714.065.050 (SAL)

Sales & Support:

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Monday to Friday

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Specification subject to changes

Pictures might differ from original

Product Description

These compact and easy to operate top loading chests are designed for conducting salt spray tests pursuant to the most common corrosion test such as DIN EN ISO 9227.

Customer Benefits

- ✚ Cost effective solution for basic salt spray (SAL)
- ✚ Compact top loading (chest) 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



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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



Figure 1 Jumo controller

The following accessories are included:

- 5 rods for supporting test specimen
- 2 m exhaust hose Ø 50 mm
- 2 m drain water hose Ø 18 mm
- 1 female connector for compressed air hose (size no. 5)

Technical Specifications

Capacity	ca. 600 L
Inner test chamber dimensions W/D/H1/H2	ca. 910 x 710 x 660 / 1000 mm
Outer dimensions of the casing (overall) W/D/H	ca. 1485 x 788 x 1213 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	±0,2 C°
Chamber washing	Optional
Timer	Two channel timer
Weight	230 kg
Communication	RS 232 interface (optional)
Other specification	
Purity demineralized water / filling volume / fitting	< 20µS/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 5)
Waste water, drain	Pipe fittings (spiral hose ID 18mm)
Exhaust pipe outer diameter	Pipe fitting (50 mm external diameter)
Number of supporting rods / max load	5 stainless steel rods coated with plastic / 30 kg 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 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