Compact
Corrosion Testing
Apparatus

Corrosion Testing Apparatus Model 606-Basic

Model 606-Basic, 400 l

Salt Spray Test

and

Condensation Water Tests

Model 606-Basic, 1000 l

testing equipment for quality management

ERICHSEN
since 1910

Technical Description

Tests in accordance with international standards

Purpose and application

Ferrous and non-ferrous metals are attacked continuously by humidity, acids, solutions, gases etc. It is therefore vitally important to choose the correct surface protection. There are many materials and qualities on the market and their properties must be properly assessed. Materials intended to prevent corrosion must be tested if failures are to be avoided. Furthermore the comparative quality control during production is of increasing importance.
The best known processes employ spray vapour tests using various salt solutions as well as condensation water climates.

Control Instruments

Test principle

Aggressive solutions are turned into a vapour mist in accordance with the tests that are listed below. These vapours surround the specimens in the test chamber either continuously or in a cyclic manner. The corrosion resistance of the individual specimens is established on the basis of the difference in time before the first corrosive effects become apparent.

Continuous Salt Spray Tests

DIN 40 046	ISO 1456	BS 3900/ F4
DIN EN ISO 9227	ISO 3768	NF X 41-002
DIN 50 907	ISO 3769	JIS Z 2371
DIN 53 167	ISO 3770	
	ISO 7253	SIS 184 190
ASTM B 117	ECCA T 8	
ASTM B 287		
ASTM B 368	DEF 1053 Meth. 24	
ASTM D 1735	DEF 1053 Meth. 36	

Condensation Water Tests

DIN EN ISO 6270-2	ISO 3231	BS 3900/ F4
DIN 50 958	ISO 11503	
DIN 55 991		

MIL STD 202 D MIL STD 810 C

Design

The compact Corrosion Testing Instrument, **Model 606-Basic,** to perform salt spray and condensation tests, is made of impact resistant, eco-friendly polypropylene material and is delivered in a rectangular design.
It consists of a test chamber, available either of 400 l or 1000 l capacity, and a built-in control unit. The control unit is equipped with a storage tank for the spray solution as well as the necessary control instruments. The test chamber can be opened manually.

A dosing pump serves for an infinitely variable adjustment to achieve optimum consumption of spray solution. The storage tank for approx. 90 l salt solution allows continuous testing without attention over a period of up to a week.

The scope of supply of each test chamber includes three specimen holders for weathering panels.

Technical Data

Capacity of the test chamber/ Test panels:	400 l - approx.100 pcs. 1000 l - approx.180 pcs
Specimen holders for Weathering panels: (18 panels /holder)	3 pcs.
Floor load of the test chamber:	up to approx. 300 kg
Test temperature range:	up to +50 °C ambient temperature
Power supply:	230 V / 50 Hz / 1~
Consumption:	400 l - approx. 2000 VA 1000 l - approx. 3000 VA
Compressed air connection:	4 - 10 bar
Air consumption:	6 Nm^3/h
Water connection (pressure):	2 - 8 bar

Order Information	
Ord.-No.	**Product-Description**
0292.01.31	**Corrosion Testing Apparatus, Model 606/400-Basic, 400 l test chamber volume**, with integrated control unit
0292.02.31	**Corrosion Testing Apparatus, Model 606/1000-Basic, 1000 l test chamber volume**, with integrated control unit
Scope of delivery includes: • 3 specimen holder • Operating Manual	

Further information please refer to our Price List No. 606-Basic.

Subject to technical modifications.
TBE 606-Basic – VI/2012

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