

Model 613

to carry out
salt spray tests

**Corrosion Testing
Apparatus
CORROCOMPACT**

Model 615

to carry out
salt spray and
condensate water tests

Model 617
to carry out
tests in altering climates
as well as
various salt spray and
condensation water tests



CORROCOMPACT 617-450 I

testing equipment for quality management

ERICHSEN

Technical Description

**Versatile
Instruments**

**Fast
Reliable
Compact**

**Tests in accordance
with international
standards**

General Information

In connection with preparatory treatment techniques and new materials, coating systems have achieved a high technical level. In addition, growing working requirements and environmental aspects are leading to further improvements of the coating systems. Therefore corrosion tests for quick quality monitoring and examination of weakest points are now as before indispensable.

The corrosion testing instruments of the **CORROCOMPACT series** are made of resistant glass fibre reinforced plastic.

The salt spray cabinets are opened pneumatically, and therefore both hands can be used to handle the test samples. The ergonomic design of the combined cabinet/chest shaped instrument enables a very user-friendly placing in of the test samples.



All relevant test parameters are entered and read using a "Full Color Touch Panel" with multilingual menu navigation.



The quantity of test solution is adjusted by means of the infinitely variable spray pressure and the dosing pump. This optimises the quantity of test solution proportionally to the required salt spray precipitation rate.

CORROCOMPACT 613

The **manually controlled salt spray test cabinets CORROCOMPACT 613** serve for tests in accordance to all current salt fog testing standards. They offer a budget-priced version for various application in business enterprises and laboratories where often short test series are carried out using a large variety of parameters. Corrosion test cabinets with test chamber capacities of 120 l, 450 l or 1000 l (please see Technical Data) are available.



CORROCOMPACT 613/120 l

Features

The removable solution tank of the **CORROCOMPACT 613 (120 l)** is integrated and extractable under the test chamber, whereas the mobile tank of the **CORROCOMPACT 613 (450 l and 1000 l)** can be separately placed next to the cabinet. Both types of reservoirs are featuring a graduated sight glass for ease of monitoring the solution level.

The control and display instruments of the test apparatus are ergonomically designed and clearly arranged so that only one glance is sufficient to inspect and act immediately if necessary.

The dosing pump is mounted on the outside of the test instrument thus enabling an easy check and exchange of the flexible tube.

Various optional accessories are available for additional control functions of the corrosion test apparatus (please refer to the price list no. 613 or contact us).

CORROCOMPACT 615

The corrosion test cabinets of the **CORROCOMPACT series 615**, to carry out **different salt spray and condensate water tests**, are automatically controlled and have specifically been designed for corrosion tests in compliance with all current standards (e. g. DIN EN ISO 9227, ASTM B 117, ISO 11503, DIN EN ISO 6270-2). Different versions with a chamber capacity of 120 l, 450 l, 1000 l or 2000 l are available (please see Technical Data).



CORROCOMPACT 615/1000 l

Features

By simply touching the display the required functions can be initiated. The graphics display indicates the set and the actual value, shows graphically the course of the last 72 hours.

For indicating the relative humidity the CORROCOMPACT series 615 are equipped with a humidity sensor.

The communication between test chamber control and PC will be realised by an Ethernet RJ45 communications port.

As described under model 613, the solution tank of the **CORROCOMPACT 615 (120 l)** is integrated and extractable under the test chamber, whereas the mobile tank of the other **CORROCOMPACT 615 versions (with a capacity of 450 l, 1000 l and 2000 l)** can be separately placed next to the cabinet

Various optional accessories are available for additional control functions of the corrosion test apparatus (please refer to the price list no. 615 or contact us).

CORROCOMPACT 617

The universal corrosion test cabinets of the **CORROCOMPACT series 617**, to carry out **tests in altering climates as well as various alt spray and condensation water tests**, are fully automatically operating corrosion instruments. They have specifically been designed for corrosion tests in compliance with all current standards (e. g. ISO 3768, ISO 9227, DIN EN ISO 9227 or DIN EN ISO 6270-2) as well as with standards concerning tests in varying climatic conditions. It is also possible to carry out Prohesion tests, Filiform tests and varying climatic conditions with humidity regulation function for tests at ambient conditions up to 95% (+/-5%) relative humidity and up to a maximum temperature of 60 °C. Different versions with a test chamber capacity of 450 l, 1000 l and 2000 l are available (please see Technical Data).



CORROCOMPACT 617/2000 l

Features

Via touch-screen operation the user can store up to 99 main programmes with sub-programs, each consisting of 5 individual programs. Therefore tests in varying climatic condition with differing specifications from the automotive standards can be pre-programmed. Furthermore, the basic instrument is equipped with a humidity regulation function, which allows the regulation during tests at ambient conditions up to 95 % relative humidity. The actual temperature as well as the air humidity are displayed both graphically and numerically.

The mobile solution tank of models **CORROCOMPACT 617** can be separately placed next to the cabinet and is featuring a graduated sight glass for ease of monitoring the solution level.

Various optional accessories are available for additional control functions of the corrosion test apparatus (please refer to the price list no. 617 or contact us).

Technical Data

Cabinet volume (in liter)	120 l* (Mod. 613/615)	450 l (Mod. 613/615/617)	1000 l (Mod. 613/615/617)	2000 l (Mod. 615/617)
Dimensions (W x D x H) in mm	1350 x 680 x 780	1600 x 800 x 1508	2100 x 1350 x 1670	2950 x 1350 x 1670
Internal dimensions (B x T x H) in mm	715 x 490 x 485	1010 x 640 x 1145	1300 x 978 x 1355	2163 x 978 x 1355
Net weight in kg (approx.)	90	400	600	700
Storage capacity for test samples	100	192	368	736
Temperature range °C (from ambient)	to +50	to +50	to +50	to +50
Salt solution reservoir capacity in l	approx. 40	approx. 100	approx. 100	approx. 100
Compressed air supply in bar	4 - 6	4 - 6	4 - 6	4 - 6
Water supply in bar	0.5 - 5	0.5 - 5	0.5 - 5	0.5 - 5

* for standards without minimum volume

	Model 613	Model 615	Model 617
Power supply	(120/450/1000 l) 110/230 V 50/60 Hz	(120/450/1000 l) 110/230 V 50/60 Hz (2000 l) 400 V 3~, 50/60 Hz	(450/1000/2000 l) 400 V 3~, 50/60 Hz
Power consumption in VA (approx.)	1100 (120 l) 1560 (450 l) 2050 (1000 l)	1100 (120 l) 2750 (450 l/1000 l) 4750 (2000 l)	4990 (450 l/1000 l) 9230 (2000 l)

Order Information	
Ord.-No.	Product description
0613.01.51	CORROCOMPACT 613, 120 l cabinet volume, including 4 specimen holder for weathering panels
0613.02.51	CORROCOMPACT 613, 450 l cabinet volume, including 6 specimen holder for weathering panels
0613.03.51	CORROCOMPACT 613, 1000 l cabinet volume, including 8 specimen holder for weathering panels
	Standard testing apparatus 613, incl. - LCD control unit - Dosing pump - Compressed air scrubber - Condensate receptacle
0615.01.51	CORROCOMPACT 615, 120 l cabinet volume, including 4 specimen holder for weathering panels
0615.02.51	CORROCOMPACT 615, 450 l cabinet volume, including 6 specimen holder for weathering panels
0615.03.51	CORROCOMPACT 615, 1000 l cabinet volume, including 8 specimen holder for weathering panels
0615.04.51	CORROCOMPACT 615, 2000 l cabinet volume, including 16 specimen holder for weathering panels
	Comfort testing apparatus 615, incl. - Color-Touch-Panel - Ethernet communications port - Dosing pump - Compressed air scrubber - Condensate receptacle

Order Information	
Ord.-No.	Product description
0617.02.51	CORROCOMPACT 617, 450 l cabinet volume, including 6 specimen holder for weathering panels
0617.03.51	CORROCOMPACT 617, 1000 l cabinet volume, including 8 specimen holder for weathering panels
0617.04.51	CORROCOMPACT 617, 2000 l cabinet volume, including 16 specimen holder for weathering panels
	Universal testing apparatus 617, incl. - Color-Touch-Panel - Humidity control unit - Dehumidifying - Ethernet communications port - Dosing pump - Airflow meter - Salt solution reservoir - Compressed air scrubber - Condensate receptacle

For further informations please refer our price lists nos. 613, 615 and 617.

The right of technical modifications is reserved.
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