

CH & VCK

CH – Humid corrosion chamber (humidostatic test)

VCK- Saturated atmosphere with SO₂ (Kesternich's test)



The Kesternich Corrosion Test has been designed to simulate industrial or urban atmospheres by means of the creation of an artificial atmosphere, by adding Sulphurous Anhydrid to the air, with or without Carbon Dioxide.

With the Kesternich Test we can get an artificial atmosphere with the best aproximation to the results obtained when in sulphurous natural atmospheres some metals are expounded to it.

The Kesternich Test consists of a cycle of 24 hours slit in two parts: the first one consists of 8 hours with closed chamber and the pieces in its indoor, situated according to the Regulations and expounded to 40°C inside of which 0,2 or 2 liters/ gr. of Sulphurous Anhydrid are introduced with a 100% of RH.

After this period of time, another stage of 16 hours goes on. In this stage the door is open, the heating is stopped and the pieces are exposed to the Ambiance Temperature of the air (according to SFW variant of the DIN 50.017/ 50.018). The test finishes when an inadmissible influence appears in the aspect of the expounded pieces or when the accorded number of cycles for the Test's duration has been reached.

DYCOMETAL EQUIPOS DE C.C., S.L.

C/ De la Ciència, 35-37

08840 - Viladecans (Barcelona) - SPAIN

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FEATURES:

Construction

- Chamber built on a Steel Tube structure. Externally made of AISI 304 (18/8) Stainless Steel Sheet, painted with acrylic paint dried to the oven in light grey colour, according to RAL-9002.
- Indoor chamber completely made of AISI 316 Stainless Steel and a AISI 316 Stainless Steel 4 liters water tank, according to DIN Legal Regulation.
- Stands inside the useful chamber made of PVC to hang the piece under test.
- Measure of the Temperature in the Indoor of the useful chamber by Class A PT-100, according to DIN 43760.
- All the Control and regulation systems are together on the control Panel, located on the inferior frontal, to make their management and observation easier.

Control

The control has the next elements:

- Digital electronic regulator with PT-100.
- Timer to program 8 hours of the test, with acoustic alarm and door automatic aperture.
- Function mode: manual/automatic
- Lights for high and low water level.



TECHNICAL SPECIFICATIONS:

Model	VCK-300	CH-300
Volume (Liters)	300	300
External Dimensions (without dosifier) mm		
Height	1150	1150
Width	1040	810
Depth	610	610
External Dimensions mm		
Height	800	800
Width	710	710
Depth	550	480
Temperature range from room to:	+60°C	+60°C
Humidity:	100% RH	100% RH
Power supply:	Monophase 220V/ 50 Hz.	
Potency:	0,8 kW	
Door:	Transparent, securit glass	
External paint:	Acrylic, colour RAL-9010	
Sulfur dioxide dispenser	Serial	---
Timed door opening:	Serial	Optional

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