

# SSCK

## Cyclical Corrosion Chamber

- 5 models
- Design to test laboratories
- Easy to install, easy to use and reliable
- Robust construction
- Comply with standards: Renault, Volvo, Nissan, etc



After making the test based on the Japanese Cyclical Corrosion Test (C.C.T.), most of the automobile's manufacturers have checked that with this Chamber they get better results than the ones of the Salt Spray Chamber because of its faster corrosion velocity.

The Cyclical Corrosion Test Chamber DYCOMETAL (SSCK) has been created for making the tests of state change in function of the different levels of Temperature, Humidity or Corrosion.

The optional range of temperature (from 35°C for Salt Spray Test, 60°C for Climatic Test) as well as its control of the Humidity point by the Capacitive proceeding ensure a perfect control and the reliability of the Test.

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

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# FEATURES:

## Construction

The construction of the SSSCK Chambers is highly robust and suitable for the function they have to do in order to guarantee a hardly unlimited life.

- Steel Tube and AISI 304 (18/8) Stainless Steel Sheet outdoor structure , painted with acrylic paint dried to the oven in light grey colour, according to RAL-9010.
- Opening top cover made of transparent methyl methacrylate with a thickness of 10 mm and 15 mm sides. It allows a perfect observation of the indoor and therefore, a perfect observation of the parts in Test. Its shape of roof of a double slope with 30° inclination by side makes that the condensed drop slides in a natural way to the indoor walls avoiding the dripping on the samples.
- Indoor Test Chamber made of AISI 316 Stainless Steel Sheet .
- The Tank has on its superior part a groove to adjust the cover and ensure a total tightness.
- Air channels made of AISI 316 Stainless Steel.
- Filling, emptying and cleaning Salt Spray system, automatic supply of water and NaCl solution.
- Indoor support to hang the sample holder bars.
- Control and electric panel in the Test Chamber, easy access to the interior by the hinges opening.



- The system's intelligence is based on the use of our regulation and control system to store a large number of programs in memory.
- Optimization of the process by PID parameters (in cold and in heat), by adjusting the characteristics of the Programmer to the process ones with the aim to get a better control.
- RS-232 port for PC computer.



## Standards

- DIN 50017-KK/ -KFW/ -KTW
- DIN 50021-SS/ -ESS/ -CASS
- DIN/IEC-68, parte 2-52
- ASTM B-117
- NISSAN M0007 CCTI, II y IV
- FORD EU B153-2
- VDA 621-415
- VOLKSWAGEN PV-1210
- RENAULT D17-2028 (ECC-1)
- JIS 96302 ND500
- GMW 14872
- NES MC 158
- ISO 11997-1
- ISO 14993

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## TECHNICAL SPECIFICATIONS:

Model	SSCK-216	SSCK-400	SSCK-600	SSCK-1000	SSCK-2000
Capacidad (Liters)	216	400	600	1000	2000
<b>External dimensions (without canopy) (mm)</b>					
High	600	750	800	900	1150
Width	600	950	1000	1300	1950
Depth	600	600	700	900	900
<b>Internal dimension, base to canopy (mm)</b>					
High	950	1300	1412	1600	1850
Width	1770	2115	2185	2480	3300
Depth	900	1200	1320	1500	1500
Temperature Range:	Ambient/ +60°C				
Humidity Range:	45% to 100% HR.				
Regulation precision	±0,1°C in temperature and ±1% in RH				
Voltage	Three-phase 380V/3N~/50 Hz.				

## OPTIONS:

- Reserve tank of salt spray with a cover, made of metallic frame with a direct connection to the Chamber. Capacity from 200 liters and autonomy from 100 to 140 hours of work.
- Pluviometer with graduated scale to get and measure the salt spray.
- Set of 4 support device with an inclination angle from 60° to 75° angle, according to DIN 50.021.
- Temperature and Humidity Recording Equipment.
- Auxiliar compact air compressor.
- Pneumatic cylinders to open the door (model SSCK-1000 and SSCK-2000).
- RS-232 communication port.
- Control and Programming Software in Windows® environment.

## OTHER PRODUCTS:

**DYCOMETAL** also offer an extensive line of field proven test systems specially for simulating exposure to corrosion, like: Salt spray chambers, walk-in corrosion chambers, kester nich chambers and humidity chambers.



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