PHOENIX Instrument
Lab Solutions

Climatic Chambers

Operation Range: 10 °C to 70 °C / 45 to 95 %RH

The climatic chambers are the ideal instrument to do stability and aging test on materials, simulation of environmental conditions and stress test in several fields such as: industry, food, textile, packaging, rubber/plastics, etc.

Thanks to the digital control by PID regulator of the temperature and of the humidity percentage, it's possible simulate many environmental situations and use of materials, and moreover test the forced aging effects. The external steel door is equipped of a wide glass window that permits the observation of the materials during test.

The stainless steel chamber with rounded corners, the shelves and their fixing system completely removable, make the chamber perfectly cleanable. A LED inner lamp for observation of the samples is included.

The standard supplied side through hole of 25 mm diameter allows to install probes inside the chamber. Digital backlit alphanumeric LCD screen. Digital timer, clock and date for GLP functions.

Standard supplied mini printer for operating and set parameters output. Safety class 3.1 with double digital limiter of temperature and additional fluid expansion limiter.



Technical Data	CH-150	CH-250
Useable Volume	150 Liters	250 Liters
Temperature Range	0 to 85 °C (without humidity) +10 to 70 °C (with humidity)	
Temperature Resolution	0.1 °C	
Temp. homogeneity in chamber	± 0.5 °C (without humidity) ± 1.5 °C (10 to 70 °C / 45 to 95% RH)	
Temperature variation on a point	± 0.2 °C (without humidity) ± 0.5 °C (10 to 70 °C / 45 to 95% RH)	
Humidity Range	45 % - 95 %	
Humidity variation on a point	≤ 2% RH (10 to 70 °C / 45 to 95 %RH	
Timer / programs	continuous mode / Programs 1-100 step	
Safety class	3.1	
Voltage / Power	230V / 2,200 W	
Internal Dimension (WxHxD)	550 x 670 x 405 mm	600 x 830 x 500 mm
Number of shelves (standard/max.)	3/10	3/12
Useful min. distance between shelves	45 mm	
Max. load of shelf	10 kg	15 kg
External Dimension (WxHxD)	690 x 1520 x 790 mm	740 x 1680 x 885 mm
External water tank dimensions (W x H x D)	370 x 340 x 560 mm	
Weight	145 kg	185 kg

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Accessories

CH-1001462	Steel wire shelf for climatic chamber CH 150
CH-1001472	Steel wire shelf for climatic chamber CH 250
CH-1000152	Hole Ø 25 mm complete of closing caps for climatic chambers CH 150/CH 250
CH-1000142	Hole Ø 50 mm complete of closing caps for climatic chambers CH 150/CH 250
CH-1009002	Paper Manual IQ/OQ

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