

Climatic chambers
Operation range: 10 °C ÷ 70 °C / 45 ÷ 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, dock 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	-10 - 85 °C (without humidity)	+10 - 70 °C (with humidity)
Temperature Resolution	0,1°C	
Temp. homogeneity in chamber	± 0,5 °C (without humidity) ± 1,5 °C (10 ÷ 70 °C / 45 ÷ 95% RH)	
Temperature variation on a point	± 0,2 °C (without humidity) ± 0,5 °C (10 ÷ 70 °C / 45 ÷ 95% RH)	
Humidity Range	45 % - 95 %	
Humidity variation on a point	± 2% RH (10 ÷ 70 °C / 45 ÷ 95% RH)	
Timer / programs	continuous mode / Programs 1-100 step	
Safety class	3,1	
Voltage / Power	230V / 2200W	
Internal Dimension (WxHxD) in mm	550 x 670 x 405	600 x 830 x 500
Number of shelves (standard/max.)	3/10	3/12
Useful min. distance between shelves	45	
Max. load of shelf	10kg	
External Dimension (WxHxD) in mm	690 x 1520 x 790	740 x 1880 x 885
External water tank dimensions (WxHxD) in mm	370 x 340 x 560	
Weight (kg)	145	165

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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