

Climate Chamber 0°/+80°C

CLIMA series CS

Temperature range 0°/+80°C. Setting and readability temperature in increments of 0.1°C. **Temperature Stability** $\pm 0.1^\circ\text{C}$. Average speed up / down temperature 0.5°C / min. Built entirely in white plastic coated galvanized steel or stainless steel AISI 304. **Polyurethane insulation CFC and HCFC Free. Reversible doors** with self-closing hinges with retainer beyond 90° and replaceable magnetic gaskets plug. Inside with rounded corners. **Grids removable and height adjustable** stain-less plastic. Adjustable steel feet. The cabinet is equipped with a microprocessor controller with a single program in 20 steps. **Electronic temperature controller** with microprocessor to continuously monitor and display digital bright indoor temperature and the set temperature. **Audio-visual alarm** minimum and maximum temperature with acoustic acknowledgment and dry contact remote connection. The temperature settings and alarm can be inhibited to strangers by password access to the controls. Relative **humidity control** between 10% and 98% $\pm 1\%$. **Humidification** with generator and regulator of low pressure steam can operate with demineralized water, softened or aqueduct water with hardness from 0 to 400 ppm of CaCO₃. Mains water supply with pressure between 1 and 10 bar. **Dehumidification** by direct expansion of Freon into the evaporator. Heating elements with low inertia. Internal ventilation. **Safety device** with manual reset **class 1** (DIN 12880): completely off the heating when the temperature exceeds the preset maximum value cannot be modified. Noise level less than 55 dB. Power supply 220-230V 1-50Hz.



Model

model	external dimensions WxDxH cm	capacity liters	internal dimensions WxDxH cm	doors n	shelves n	Electric power W
C270S	60x65x164	270	50x43x95	1	2	1300
C370S	60x60x192	370	50x48x125	1	3	1500
C440S	60x70x192	440	50x58x125	1	3	1500
C600S	75x70x210	600	60x57x130	1	3	1600
C700S	75x82x210	700	60x67x130	1	3	1800
C900S	120x70x192	900	110x58x125	2	3	2000
C1200S	150x70x210	1200	132x57x130	2	6	2000
C1500S	150x82x210	1500	132x67x130	2	6	2000

C-S white plastic coated galvanized steel model
 C-SX stainless steel AISI 304 model

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Accessories									
Model	130l	270l	370l	440l	600l	700l	900l	1200l	1500l
Lock and key	•	•	•	•	•	•	•	•	•
Temperature and humidity continuous trace recorder	•	•	•	•	•	•	•	•	•
Continuous monitoring network of alarm devices with local PC management, recording and printing standard of graphs	•	•	•	•	•	•	•	•	•
Glass door					•	•		•	•
Fluorescent horizontal lighting on shelves or fluorescent vertical lateral lighting					•	•		•	•
Light intensity control with fractional power on of the lamps	•	•	•	•	•	•	•	•	•
Fluorescent lighting with dimmable reactors	•	•	•	•	•	•	•	•	•
Fluorescent lighting with vertical outer side wall glass	•	•	•	•	•	•	•	•	•
Photo-period control with cycle timer 24 hours	•	•	•	•	•	•	•	•	•
Day / night temperature control	•	•	•	•	•	•	•	•	•
Day / night humidity control	•	•	•	•	•	•	•	•	•
Microprocessor controllers with 10 programs in 50 steps each, 25 programs in 100 steps or 50 programs in 200 steps can be installed in place of the serial programmer (1 program in 20 steps)	•	•	•	•	•	•	•	•	•
Nanodac graphical recorder	•	•	•	•	•	•	•	•	•
Cable hole with diameter of 35/50 mm and rubber cap	•	•	•	•	•	•	•	•	•
Internal power supply 220-230V (different voltages on request)	•	•	•	•	•	•	•	•	•



Humidity controller

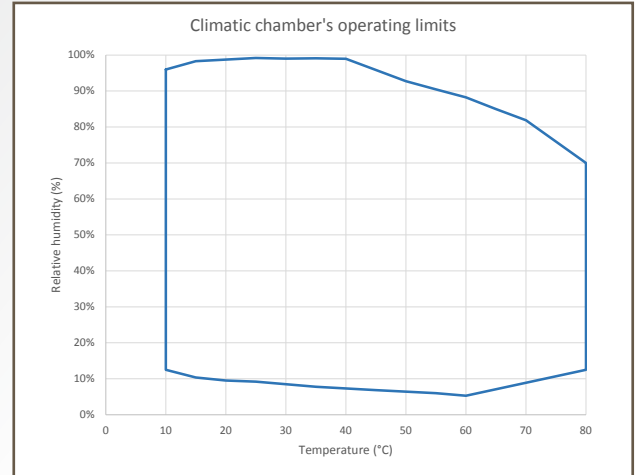




Support shelves

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Technical specifications	
Temperature range (°C)	0/+80
Temperature stability (°C)	±0,1
Humidity range (%)	10/98
Humidity stability (%)	±1
Power supply (V/Hz)	220/50
Noise level (dB)	53



	Standard equipment	Optional
Device specifications	 Programmable controller	 Nanodac Graphical recorder
Display Type	Main PV: 5 digit plus 4 line alphanumeric	3.5" TFT colour 320 x 240 pixels
Data storage	-	50MB onboard Flash memory, removable USB and data transfer via FTP to a specified server
PV Accuracy	<0.1%	<0.25%
Specification	The 3504 controller offer much more than temperature control - advanced features and options make them capable of small machine control. They provide flexible I/O options to control and measure a multitude of processes - temperature, potential, humidity, flow, pressure, level, viscosity, additive dosing and many more. Specialist function blocks, recipe selection, setpoint programmers, maths, logic, timer functions and flexible communication options are just a few examples of what makes these instruments a key part of a total process solution.	The nanodac graphical recorder offers the ultimate in graphical recording combined with for a box of its size. The compact ¼ DIN panel mount unit offers four high accuracy universal inputs for data recording. This secure data recording device with accurate control is enhanced by a full colour, ¼ VGA display to bring a crystal clear operator interface to even the smallest of machines.
SP Programmer	50 Programmes, 500 segments max	

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