



# climatronix

## CLIMATE CHAMBERS

CTX | Pharma Stability - LED Plant Growth - Environmental - R&D | Chambers



built with pride by Climatronix



# CTXI Pharma Stability - LED Plant Growth - Environmental - R&D Chambers

## SPECIFICATIONS:

Model version:		CTX 700	CTX 1400
Testspace:	Litres, appr.	540	1205
Testspace dimensions:	Hight mm, appr.	1430	1430
	Width mm, appr.	594	1327
	Depth mm, appr.	663	663
Overall dimensions:	Hight mm, appr.	2090	2090
	Width mm, appr.	733	1463
	Depth mm, appr.	800	800
<b>Temperature test:</b>			
Temperature range	°C	+ 5 / + 45	
Temperature fluctuation	K	time: +/- 0,7	spatial: +/- 1,5
<b>Climatic test:</b>			
Temperature range	°C	+ 15 / + 45	
Humidity range	%RH	30 / 95	
Dew point range	°C	10 / 43	
Humidity fluctuation	%RH	time: +/- 3,0	spatial: +/- 5,0
Temperature fluctuation	K	time: +/- 0,7	spatial: +/- 1,5
<b>Standard configuration:</b>			
Casing in/outside		Stainless - steel (excl. backside)	
Number of shelves (dim. 530mm x 650mm)		3	6
↳ Plastified steel, adjustable in height, max load/shelve 40 kg		x	x
Number of doors (lockable)		1	2
Number of fans (circulation air axial)		1	2
<b>Regulation:</b>			
PID – microprocessor - controller			
Temperature (actual + set value digital in °C)		x	x
Relative humidity (actual + set value digital in % RH)		x	x
<b>Measuring system:</b>			
Temperature		PT - 100 sensor	
Relative humidity		Capacitive sensor	
Fixed T°- protection for testspecimen		x	x
Low - noise refrigeration unit		Air cooled version	
Refrigerants		Chloride free, hermetically sealed	
Condenswater outlet		x	x
Heating		Electrical resistances	
Humidification		Ultrasonic device	
Dehumidification		Direct expansion	
Reservoir for humidification System		x	x
Specifications demineralised water		< 20 microS/cm – 0,4l/h – 0,2...6 bar	
Maximum laboratory conditions	°C	15...35	
Nominal voltage	V	230 Vac, 1/N/PE,50Hz	
Nominal power	kW, appr.	1,8	2
Weight	kg, appr.	250	310

### Optional accessories:

- Entry ports diameter 50 mm
- Add. shelves + clips (plastified steel)
- Add. shelves + clips (stainless- steel)
- Door with window
- CTX – software for programming and documentation
- Castors (mobile version)
- Programmable Tmin/Tmax-regulation
- Air guidance - add. baffle
- Dehumidification (Td= - 20°C)
- Interior lighting
- Data – acquisition measurementsystem
- Qualification package (IQ,OQ,PQ,DQ)
- Digital loggingsystem
- Spatial qualification
- Add. RS 232-interface for ethernet communication
- Malfunction message by SMS-box
- Potential-free contact for malfunction signal
- Extended temperature range down to +/- 0°C
- Condensate recirculating system
- Defrost package, for operation down to 0°C
- LED lighting system with timer for day/night simulations
- Phenolic coated coils

### We can offer additional packages, see list underneath:

- LED plant growth chamber
- Cooled incubator - 25°C
- Insect incubation chamber
- Tissue culture chamber
- Seed storage chamber
- Constant temperature chamber
- Photostability chamber according ICH-Q1B (option 2)
- Stability chamber according ICH-Q1A (long term - intermediate - accelerated)
- Environmental chamber

### Other chamber sizes and options on request (custom tailored design):

All performances are based on average values which have been obtained at a temperature of + 25°C, without test specimens, without thermal load and without accessories. We reserve the right to make alterations/modifications due to technical development.