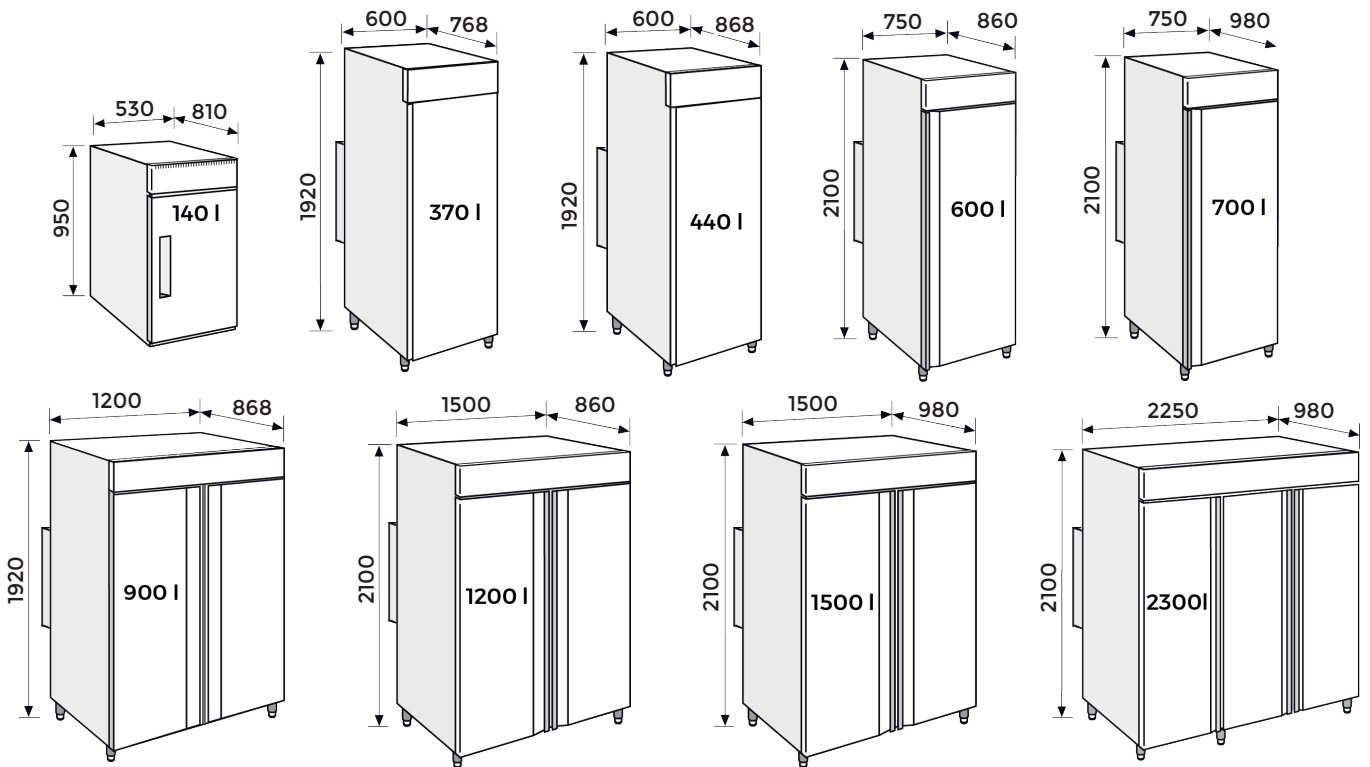


# Climatic Chambers

## CB-CS Series



## EQUIPMENT



### Volumes

140...2300 liters



### Temperature

0°C...+70°C  
-25°C...+70°C



### Humidity

10 to 98% r.h.



### Rack

Adjustable height



### stillFACE

Controller for stability testing



### revoFACE

Programmer for dynamic testing



### Fan

Forced ventilation



### Alarms

High/low temperature and humidity



### Electric power

220-240V ~ /50Hz  
or  
110-115V ~ /60Hz

Positive Range (S)	C140S	C370S	C440S	C600S	C700S	C900S	C1200S	C1500S	C2300S
Negative Range (B)	C140B	C370B	C440B	C600B	C700B	C900B	C1200B	C1500B	C2300B
Temperature range without humidity [°C]	(S)				0...+70				
	(B)				-25...+70				
<b>Temperature performance</b>									
Temperature uniformity depending on setpoint [± K]					0.5..2.5				
Temperature fluctuation depending on setpoint [± K]					0.1..0.5				
Average heating-up rate according to EN 60068-3-5 [K/min]					+2				
Average cooling down rate according to EN 60068-3-5 [K/min]					-1				
<b>Performance Data Climate</b>									
Temperature range [°C] humidity is on					+10/+70				
Humidity range in according to Chart <sup>*1</sup> [% r.h.]					10/98				
Humidity fluctuation depending on setpoint [± %]					≤ 3				
Humidification system	Ultrasonic humidification system								
Water filter	Water softening filter and replaceable cartridge equipped <sup>*2</sup>								
Max Water hardness permitted	600 ppm CaCO <sub>3</sub>								
Water inlet	Pressure 0.2÷5 BAR Temperature 10÷40°C Pipe connection 3/4"								
<b>Outer dimensions</b>									
Width net [mm]	530	600	600	750	750	1200	1500	1500	2250
Depth net [mm]	810	768	868	860	980	868	860	980	980
Height net [mm]	950	1920	1920	2100	2100	1920	2100	2100	2100
<b>Doors</b>									
Unit doors	1	1	1	1	1	2	2	2	3
<b>Internal Dimensions</b>									
Width [mm]	450	500	500	600	600	1090	1340	1300	2090
Depth [mm]	540	480	580	570	670	580	570	670	670
Height [mm]	520.5	1257	1257	1340	1340	1257	1350	1340	1340
<b>Measures</b>									
Interior net volume [L]	130	310	370	450	530	810	1020	1180	1830
Net weight of the unit (empty) [kg]	78	98	108	130	165	195	210	213	365
Permitted load per rack [kg]	30	30	30	30	30	30	30	30	30
<b>Fixtures</b>									
Number of shelves (std./max.)	3/5	3/5	3/5	3/6	3/6	6/10	6/12	6/12	9/14
Shelf Width [mm]	400	460	460	530	530	460	530	530	530
Shelf Depth [mm]	500	470	570	550	650	570	550	650	650
<b>stillFACE Controller</b>									
Controller	Constant monitoring temperature and humidity controllers								
Interface port	Optional: RS485								
<b>revoFACE Programmer</b>									
Set-up Display	Programme status, set up temperature and humidity, date, time and language								
Programmer	10 programs and 50 segments each, adjustable from 1 min. to 999 hrs.								
Calibration	Possibility to calibrate all parameters								
Interface port	Optional: RS485 - Optional: Ethernet - Wifi - Dedicated mobile app								
<b>Environment-specific data</b>									
Sound-pressure level [dB(A)]	60								

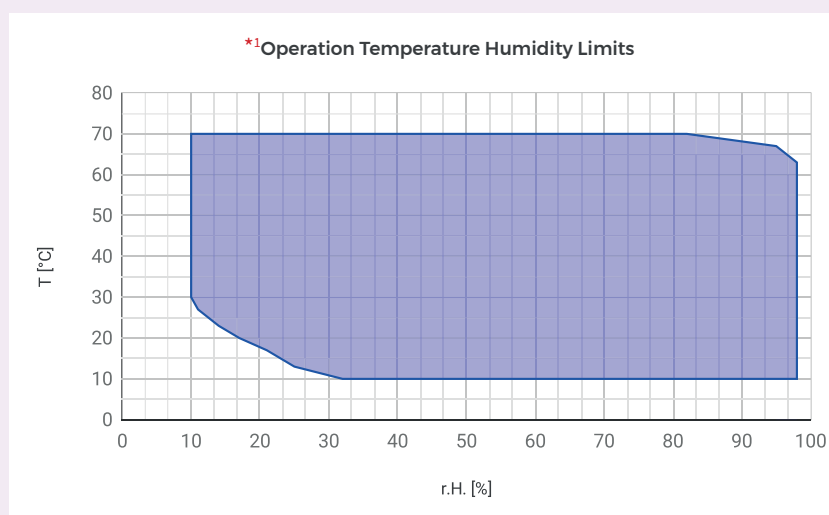
<sup>\*2</sup>The cartridge should be change every 4÷6 months at most.

All technical data are specified for units with standard equipment at an ambient temperature of +24 °C and a voltage fluctuation of ±10 %.



Positive Range (S)	C140S	C370S	C440S	C600S	C700S	C900S	C1200S	C1500S	C2300S	
Negative Range (B)	C140B	C370B	C440B	C600B	C700B	C900B	C1200B	C1500B	C2300B	
<b>Structure and insulation</b>										
Exterior material	Stainless steel AISI 304									
Internal material	Stainless steel AISI 304									
Insulation	CFC and HCFC free									
Shelf grill	Removable and height adjustable steel grid									
<b>Ventilation</b>										
Fan	forced ventilation									
<b>Safety</b>										
Temperature	Class 2 independent adjustable temperature safety devices (DIN 12880)									
Alarm	Audio-Visual									
<b>Electrical data</b>										
Rated Voltage [V]	220/240									
Power frequency [Hz]	50									
Nominal power [kW]	(S)	1.4	1.5	1.4	1.8	1.8	2.2	2.4	2.6	4.1
	(B)	1.6	1.7	1.7	2.2	2.3	2.6	2.7	2.9	4.7
Unit fuse [A]	16									
Phase (nominal voltage)	1 ~									

## Charts



## Main Options

- **MINI T-RH** - Temperature/humidity Datalogger
- **UDB100** - USB port for storage data
- **ETH100** - Ethernet interface for remote connection
- **SND20T** - Additional temperature sensor (Pt 100)
- **SND80H** - Additional humidity sensor
- **ASW00** - Water filtration system
- **GD100** - Glass door
- **BDS020** - Relative humidity decreasing up to 2% @ 20°C
- **CO200** - CO2 Regulation System for EN 12390-10
- **PE100** - Interior socket coverable universal 220-230 V
- **IR000** - Interior neon lighting
- **IR000LED** - Interior LED lighting
- **IS200** - Dimmable adjusting light for individual lamp
- **FP100** - Photoperiod 24h control
- **IR000LED** - Interior LED lighting
- **SP100** - Internal compartments lexan door
- **GW100** - Phorthole with anti-fogging glass (Ispection window)
- **UMS100** - Sterilised flux vapor humidifier
- **SPS07** - Pools system for EN1348-2007
- **PAC00** - Wooden crate packaging
- **PAW00** - Wooden boxes packaging
- **RT100** - Castors kit
- **FD100** - Access cables port with plug
- **GP100** - Additional rack
- **GP100R** - Additional reinforced rack
- **TE110** - Power supply 110 V 50-60 Hz

For the full options availability go to: [bit.ly/2ltjSuP](https://bit.ly/2ltjSuP)

For other information click or go to:

[bit.ly/2O9U9rN](https://bit.ly/2O9U9rN)

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FDM - ENVIRONMENT MAKERS  
Technical specifications are subject to change