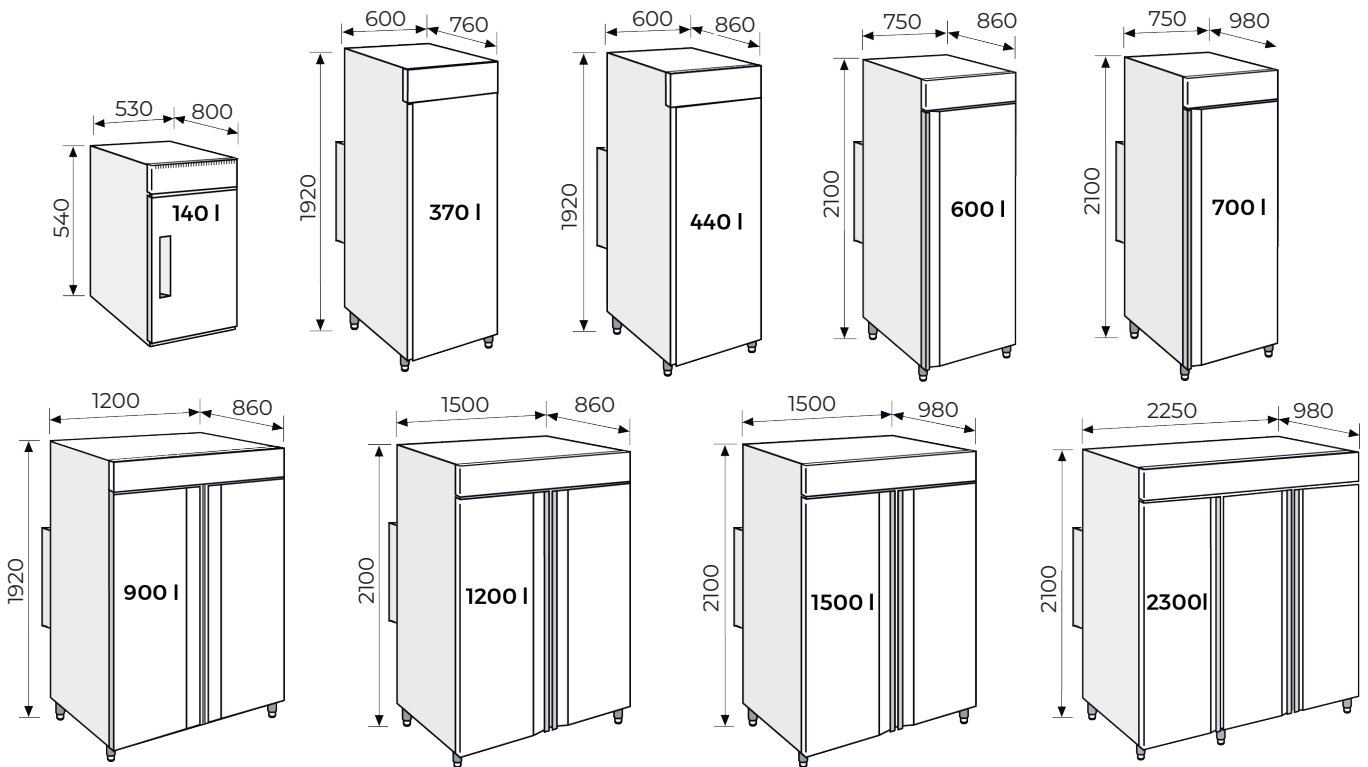


Climatic Chambers

CB-CS Series



EQUIPMENT



Volumes

140...2300 liters



Temperature

0°C...+70°C
-25°C...+70°C



Humidity

10 to 98% rh



Rack

Included



stillFACE

Controller for stability testing



revoFACE

Programmer for dynamic testing



Fan

Forced ventilation



Alarms

High/low temperature and humidity



Electric power

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

Negative Temperature Models	C140B	C370B	C440B	C600B	C700B	C900B	C1200B	C1500B	C2300B
Temperature range without humidity [°C]					-25...+70				
Positive Temperature Models	C140S	C370S	C440S	C600S	C700S	C900S	C1200S	C1500S	C2300S
Temperature range without humidity [°C]					0...+70				
Volumes	140	370	440	600	700	900	1200	1500	2300
Temperature performance									
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				
Performance Data Climate									
Temperature range [°C]					10/90				
Humidity range in according to Chart*1 [% RH]					10/98				
Humidity fluctuation depending on setpoint [± %]					≤ 3				
Humidification system	Ultrasonic humidification system								
Water filter	Water softening filter and replaceable cartridge equipped*2								
Max Water hardness permitted					600 ppm CaCO ₃				
Water inlet					Pressure 0.2±5 BAR Temperature 10÷40°C Pipe connection 3/4"				
Outer dimensions									
Width net [mm]	530	600	600	750	750	1200	1500	1500	2250
Depth net [mm]	800	760	860	860	980	860	860	980	980
Height net [mm]	940	1920	1920	2100	2100	1920	2100	2100	2100
Doors									
Unit doors	1	1	1	1	1	2	2	2	3
Internal Dimensions									
Width [mm]	450	500	500	600	600	1100	1320	1320	2070
Depth [mm]	535	480	580	570	670	580	570	670	670
Height [mm]	520	1250	1250	1350	1350	1250	1350	1350	1350
Measures									
Interior net volume [L]	130	310	370	450	530	810	1020	1180	1830
Net weight of the unit (empty) [kg]	70	80	95	110	160	165	205	245	360
Permitted load per rack [kg]	30	30	30	30	30	30	30	30	30
Fixtures									
Number of shelves (std./max.)	2/3	3/5	3/5	3/6	3/6	6/10	6/12	6/12	9/14
stillFACE Controller									
Controller	Constant monitoring temperature and humidity controllers								
Interface port	Optional: RS485								
revoFACE Programmer									
Set-up Display	Programme status, set up temperature and humidity, weekdays, time and language								
Programmer	10 programs and 200 segments each, adjustable from 1 min. to 999 hrs.								
Calibration	Possibility to calibrate all parameters								
Interface port	Standard: RS485 - Optional: Ethernet - Wifi - Dedicated mobile app								
Environment-specific data									
Sound-pressure level [dB(A)]					60				

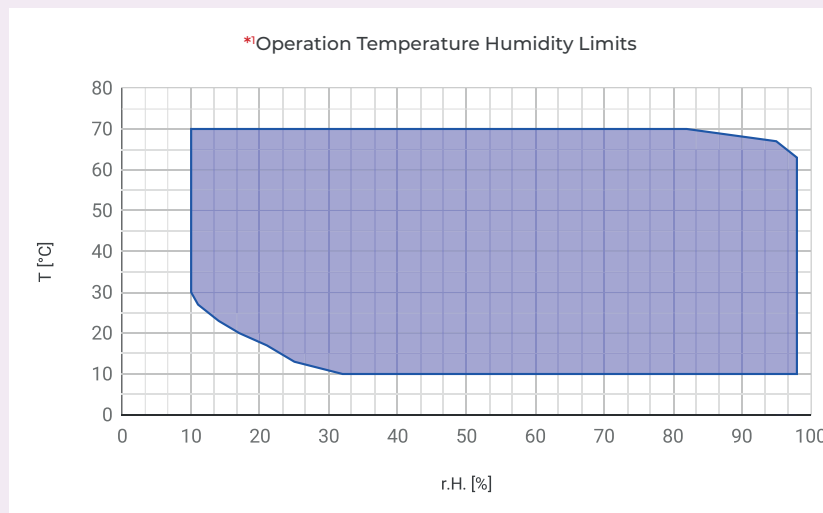
*2The cartridge should be change every 4÷6 months at most.

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



Volumes	140	370	440	600	700	900	1200	1500	2300
Structure and insulation									
Exterior material	White coated galvanized steel or <i>full Stainless steel AISI 304</i>								
Internal material	AISI 304 Stainless Steel								
Insulation	CFC and HCFC free								
Shelf grill	Removable and height adjustable steel grid								
Ventilation									
Fan	forced ventilation								
Safety									
Temperature	Class 2 independent adjustable temperature safety devices (DIN 12880)								
Alarm	Audio-Visual								
Electrical data									
Energy consumption at 37°C [kWh/]	1.55	1.65	1.92	2.08	2.18	2.53	3.66	4.22	4.3
Rated Voltage [V]	220/240								
Power frequency [Hz]	50								
Nominal power [kW]	1.8	1.8	1.8	2.2	2.2	2.5	2.5	2.6	3
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
- **HPA14** - Hair ventilation filter (Hepa 14)
- **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
- **GD100** - Glass door
- **SP100** - Internal compartments lexan door
- **GW100** - Phorthole with anti-fogging glass (Inspection window)
- **UMS100** - Sterilised flux vapor humidifier
- **SPS07** - Pools system for EN1348-2007
- **PAC00** - Wooden crate packaging
- **PAW00** - Wooden boxes packaging
- **RT100** - Castors kit
- **FA100C** - 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

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FDM - ENVIRONMENT MAKERS
 Technical specifications are subject to change