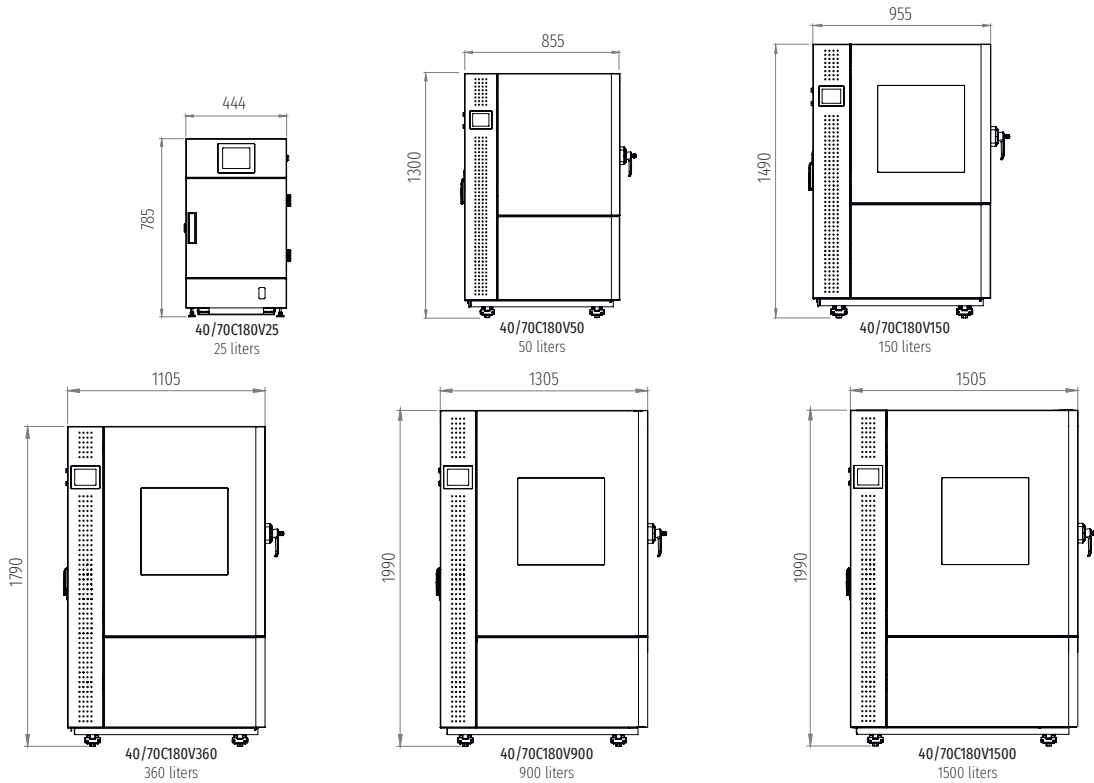


Environmental Chambers

40/70C180V Pro - Series



EQUIPMENT



Volumes

25...1500 liters



Temperature

A -40°C...+180°C
B -70°C...+180°C



Humidity

10...98% rh



Rack

Stainless steel



stillFACE

Controller for stability testing



revoFACE

Programmer for dynamic testing



Viewing window

Anti-fog



Water tank

Internal with easy access



Cables port

1 hole Ø50 with plug



Fan

Forced ventilation



Alarms

High/low temperature and humidity



Electric power

230V / 1ph / 50Hz
400V / 3ph / 50Hz

Model A	40C180V25	40C180V50	40C180V150	40C180V360	40C180V900	40C180V1500
Model B	70C180V25	70C180V50	70C180V150	70C180V360	70C180V900	70C180V1500
Temperature performance						
Temperature range without humidity [°C]	A		-40/+180			
	B		-70/+180			
Temperature range with humidity [°C]	+10/+90					
Temperature uniformity depending on setpoint [± K]	0,5..1,5					
Temperature fluctuation depending on setpoint [± K]	0,1..0,5					
Average heating-up rate according to EN 60068-3-5 [K/min]	+2			+5		
Average cooling down rate according to EN 60068-3-5 [K/min]	-2			-4		
Performance Data Climate						
Humidity range [%]	30/98			10/98		
Humidity fluctuation depending on setpoint [±%]	0,5..2					
Water tank [L]	4	5	12	12	18	25
Outer dimensions						
Width net [mm]	444	855	955	1105	1305	1505
Depth net [mm]	695	902	1102	1202	1559	1912
Height net [mm]	785	1300	1490	1790	1990	1990
Wall clearance back/ sidewise [mm]	250/250	250/250	250/250	250/250	250/250	250/250
Viewing window width/ height [mm]	0	0	480/480	480/480	480/480	480/480
Doors						
Unit doors	1	1	1	1	1	1
Internal Dimensions						
Width [mm]	300	350	450	600	800	1000
Height [mm]	280	350	550	650	1000	1360
Depth [mm]	300	410	600	900	1100	1100
Measures						
Interior volume [L]	25	50	150	360	900	1500
Net weight of the unit (empty) [kg]	80	150	450	700	860	950
Load per rack [kg]	20	20	20	20	20	20
Fixtures						
Number of shelves (std./max.)	1/2	1/2	2/4	2/4	2/4	2/4
Width net [mm]	300	350	450	600	800	1000
Depth net [mm]	235	350	550	900	1000	1360
stillFACE Controller						
Controller	Constant monitoring temperature and humidity controllers					
Interface port	Optional: RS485					
revoFACE Programmer						
Set-up Display	Programme status, set up temperature, humidity and time					
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					
Environment-specific data						
Sound-pressure level [dB(A)]	< 65					

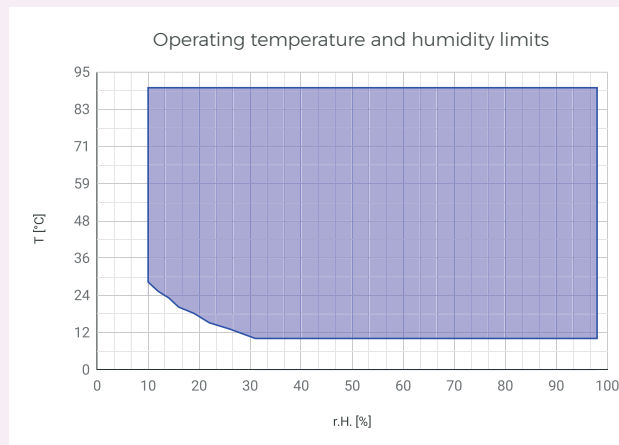
O = Optional

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



Model A	40C180V25	40C180V50	40C180V150	40C180V360	40C180V900	40C180V1500	
Model B	70C180V25	70C180V50	70C180V150	70C180V360	70C180V900	70C180V1500	
Structure and insulation							
Exterior material	Painted phosphated steel sheet						
Internal material	AISI 304 Stainless Steel						
Insulation	CFC and HCFC free						
Shelf grill	Removable and height adjustable steel grid						
Ventilation							
Fan	Forced						
Safety							
Temperature	Class 2 independent adjustable temperature safety devices (DIN 12880)						
Alarm	Audio-Visual						
Electrical data							
Rated Voltage [V]	A	230	230	230	230	400	400
	B	230	230	230	400	400	400
Power frequency [Hz]	50						
Nominal power [kW]	A	2,3	5,2	7,1	8,5	15	18
	B	5	8	10	13	19	23
Phase (nominal voltage)	A	1	1	1	1	3	3
	B	1	1	1	3	3	3

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
- **BDS020** - Relative humidity decreasing up to 2% @ 20°C
- **CO200** - CO2 Regulation System for EN 12390-10
- **VOLXXE** - Volume extension of testing area
- **W65T00** - Kit for directly connection to the water source
- **UMS100** - Sterilised flux vapor humidifier
- **GS85M** - GSM module for sms alerts

- **PAC00** - Wooden crate packaging
- **PAW00** - Wooden boxes packaging
- **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

**Click and go to
Online Configurator**



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FDM - ENVIRONMENT MAKERS
Technical specifications are subject to change