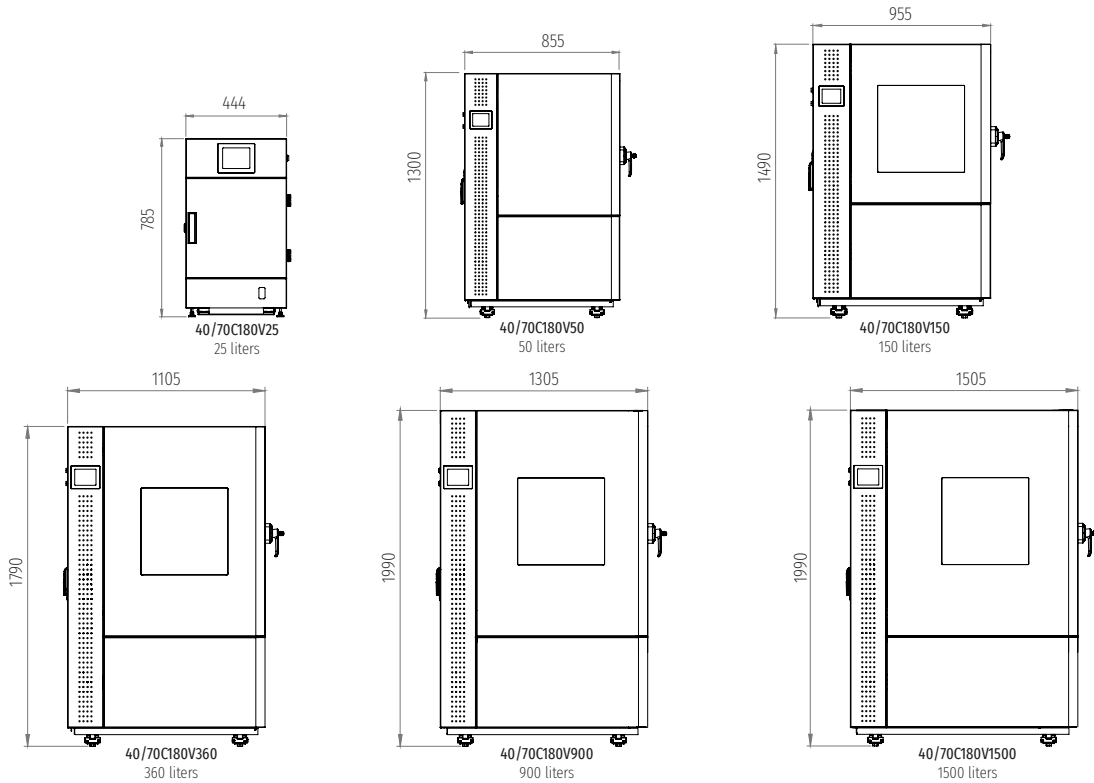


# Environmental Chambers

## 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 <b>A</b>	40C180V25	40C180V50	40C180V150	40C180V360	40C180V900	40C180V1500
Model <b>B</b>	70C180V25	70C180V50	70C180V150	70C180V360	70C180V900	70C180V1500
<b>Temperature performance</b>						
Temperature range without humidity [°C]	<b>A</b>				-40/+180	
	<b>B</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	
<b>Performance Data Climate</b>						
Humidity range [%]	30/98				10/98	
Humidity fluctuation depending on setpoint [±%]					0,5..2	
Water tank [L]	4	5	12	12	18	25
<b>Outer dimensions</b>						
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
<b>Doors</b>						
Unit doors	1	1	1	1	1	1
<b>Internal Dimensions</b>						
Width [mm]	300	350	450	600	800	1000
Height [mm]	280	350	550	650	1000	1360
Depth [mm]	300	410	600	900	1100	1100
<b>Measures</b>						
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
<b>Fixtures</b>						
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
<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, 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					
<b>Environment-specific data</b>						
Sound-pressure level [dB(A)]	< 65					

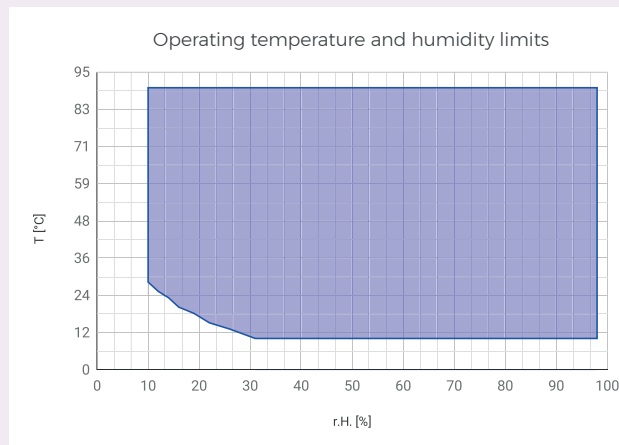
O = Optional

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



Model	<b>A</b>	40C180V25	40C180V50	40C180V150	40C180V360	40C180V900	40C180V1500
Model	<b>B</b>	70C180V25	70C180V50	70C180V150	70C180V360	70C180V900	70C180V1500
<b>Structure and insulation</b>							
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						
<b>Ventilation</b>							
Fan	Forced						
<b>Safety</b>							
Temperature	Class 2 independent adjustable temperature safety devices (DIN 12880)						
Alarm	Audio-Visual						
<b>Electrical data</b>							
Rated Voltage [V]	<b>A</b>	230	230	230	230	400	400
	<b>B</b>	230	230	230	400	400	400
Power frequency [Hz]	50						
Nominal power [kW]	<b>A</b>	2,3	5,2	7,1	8,5	15	18
	<b>B</b>	5	8	10	13	19	23
Phase (nominal voltage)	<b>A</b>	1	1	1	1	3	3
	<b>B</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](https://bit.ly/2ltjSuP)

**Click and go to  
Online Configurator**



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FDM - ENVIRONMENT MAKERS  
Technical specifications are subject to change