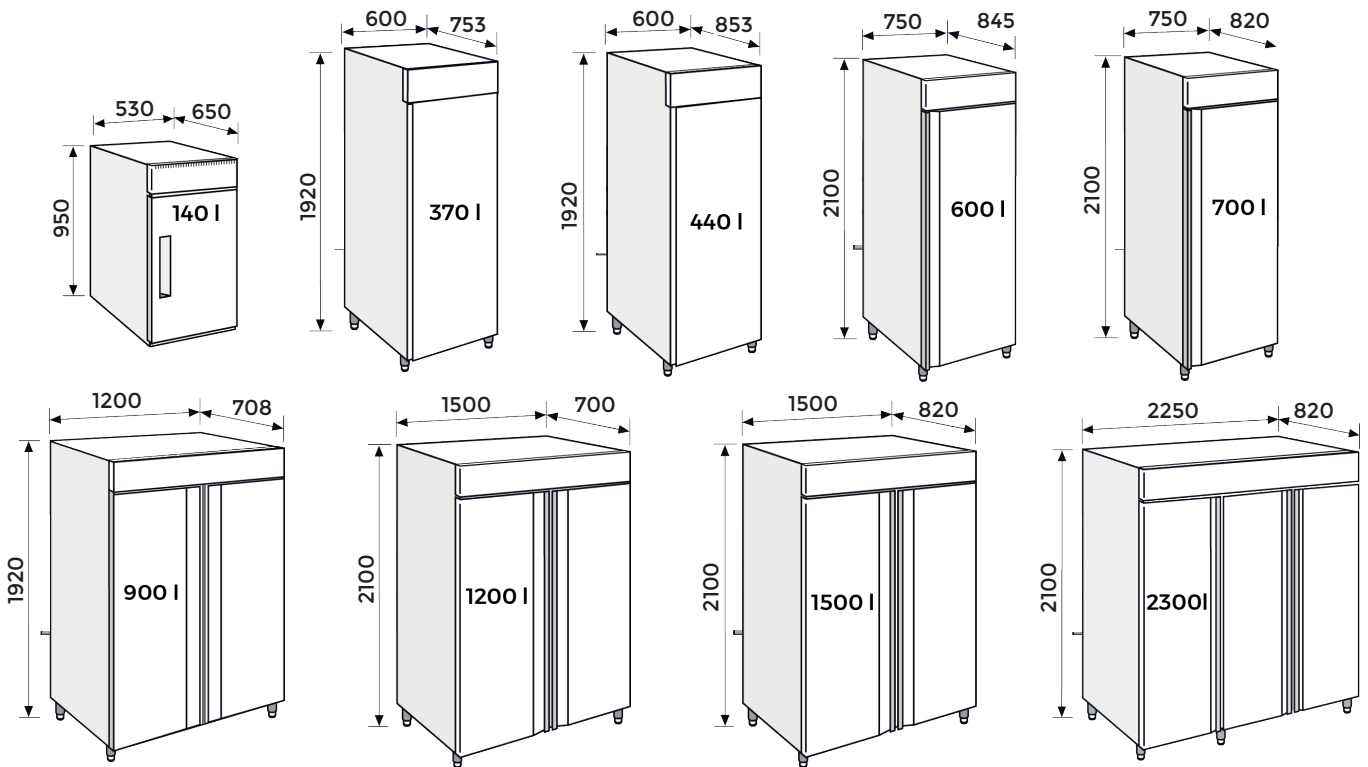


# Temperature Chambers

TB-TS Series



## EQUIPMENT



### Volumes

140...2300 liters



### Temperature

0°C...+70°C  
-25°C...+70°C



### Stability

± 0.1...0.5°C\*



### Rack

Included



### stillFACE

Controller for stability testing



### revoFACE

Programmer for dynamic testing



### Fan

Forced ventilation



### Alarms

High/low temperature



### Electric power

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

\*Depends on operating and environmental conditions

Positive Range (S)	T140S	T370S	T440S	T600S	T700S	T900S	T1200S	T1500S	T2300S
Negative Range (B)	T140B	T370B	T440B	T600B	T700B	T900B	T1200B	T1500B	T2300B
Temperature range [°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>Outer dimensions</b>									
Width net [mm]	530	600	600	750	750	1200	1500	1500	2250
Depth net [mm]	650	753	853	845	820	708	700	820	820
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]	70	93	103	125	160	190	205	208	360
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 controller								
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				

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)	T140S	T370S	T440S	T600S	T700S	T900S	T1200S	T1500S	T2300S	
Negative Range (B)	T140B	T370B	T440B	T600B	T700B	T900B	T1200B	T1500B	T2300B	
<b>Structure and insulation</b>										
Exterior material	White coated galvanized steel or full Stainless steel AISI 304									
Internal material	AISI 304 Stainless Steel									
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	1,4	1,4	1,7	1,8	2,2	2,3	2,5	4,0
	(B)	1,5	1,6	1,6	2,2	2,2	2,6	2,7	2,8	4,6
Unit fuse [A]	16									
Phase (nominal voltage)	1 ~									

### Main Options

- **MINI T** - Temperature Datalogger
- **UDB100** - USB port for storage data
- **ETH100** - Ethernet interface for remote connection
- **SND20T** - Additional temperature sensor (Pt 100)
- **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)
- **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

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