

Temperature & Humidity Chamber

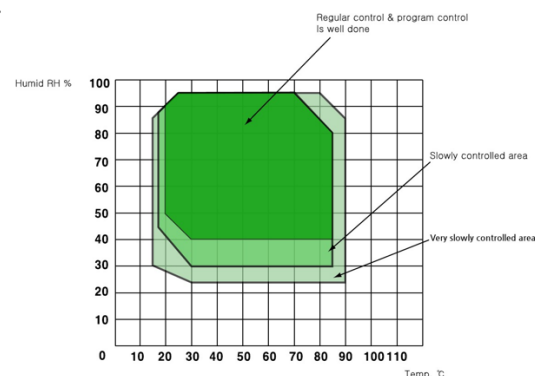
항온항습기



Features

- The grounded circuit and ELB prevent a short circuit and over current of electricity. Fuse change is not required.
- Equipped overheat protection sensor.
- Accurate temperature controls by Digital PID controller. (Touch screen : Option)
- Glass wool , ceramic wool optimized for insulation and heat loss.
- Set time /temperature function to dry and to culture.
- Fourfold tempered safety glass windows with fluorescent light for excellent observation.
- Transparent pot level box and humidifier box easy to clean and maintain.

- Equipped cable hole, air exhaust port for easier and safer experiment.



Specifications

Made in Korea

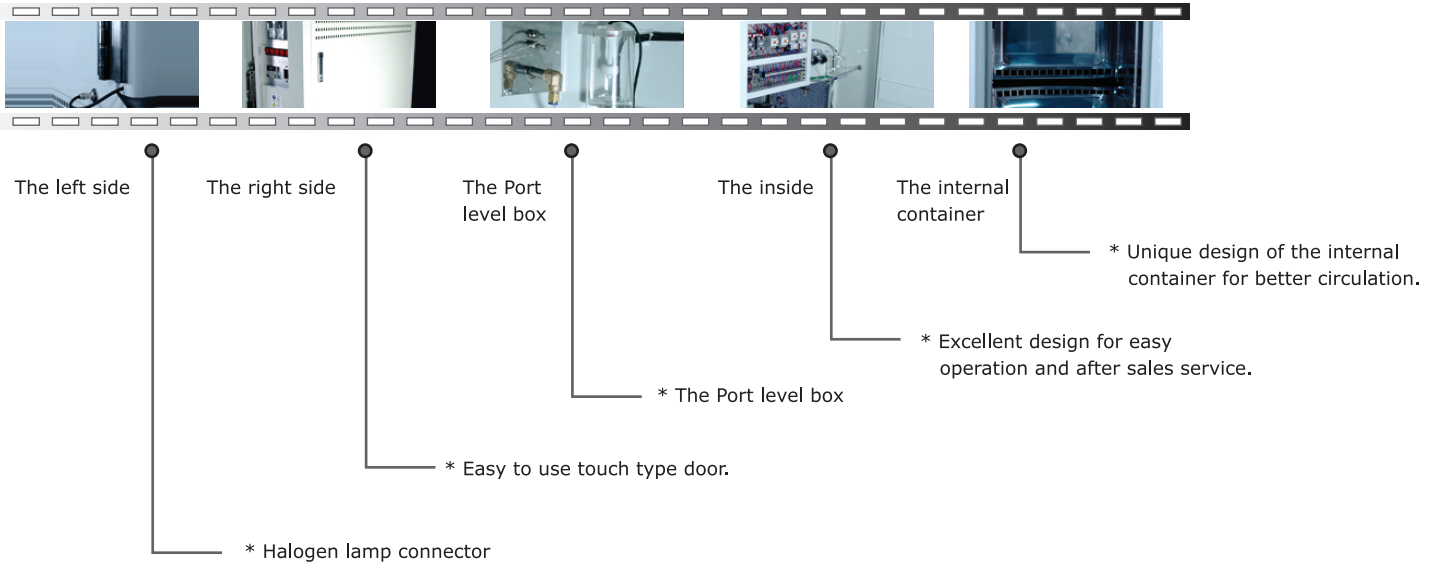
Spec.100		TH-81	TH-150	TH-288	TH-81G	TH-150G	TH-288G
Chamber volume		81ℓ	150ℓ	288ℓ	81ℓ	150ℓ	288ℓ
Control system		Digital PID Controller					
Temperature Working Range		-10℃～120℃			-30℃～120℃		
Humidity Working Range		30%～98%					
Heater	Drying bulb	1.6KW x 1ea					
	Humidity	1.5KW x 1ea					
Sensor	Temperature	Pt 100Ω					
	Humidity	Electric sensor					
Air FAN		3"x6"					
Water tank		20ℓ					
Size	Internal (WxDxH, mm)	450x400x450	500x500x600	600x600x800	450x400 x450	500x500x600	600x600x800
	External (WxDxH, mm) (without Motor box 150mm)	1100x850x1290	1150x950x1440	1250x1050x1640	1100x950x1290	1150x950x1440	1250x1050x1640
Safety		ELB(Earth Leakage Circuit Breaker)					
Material	Internal	Stainless steel #304					
	External	Steel, Powder coating					
	Shelves	SUS #304 Wire, Electro-Polished					
	Insulation	Urethane form					
	Door Packing	High Temp, Ceramic Rubber					
Electric Requirements		220VAC 50 /60Hz					
Option	Control	Touch Screen / Conroller / Recoder					
	(-50℃～120℃)	TH-81U / TH-150U / TH-288U					

Temp & Humi Chamber

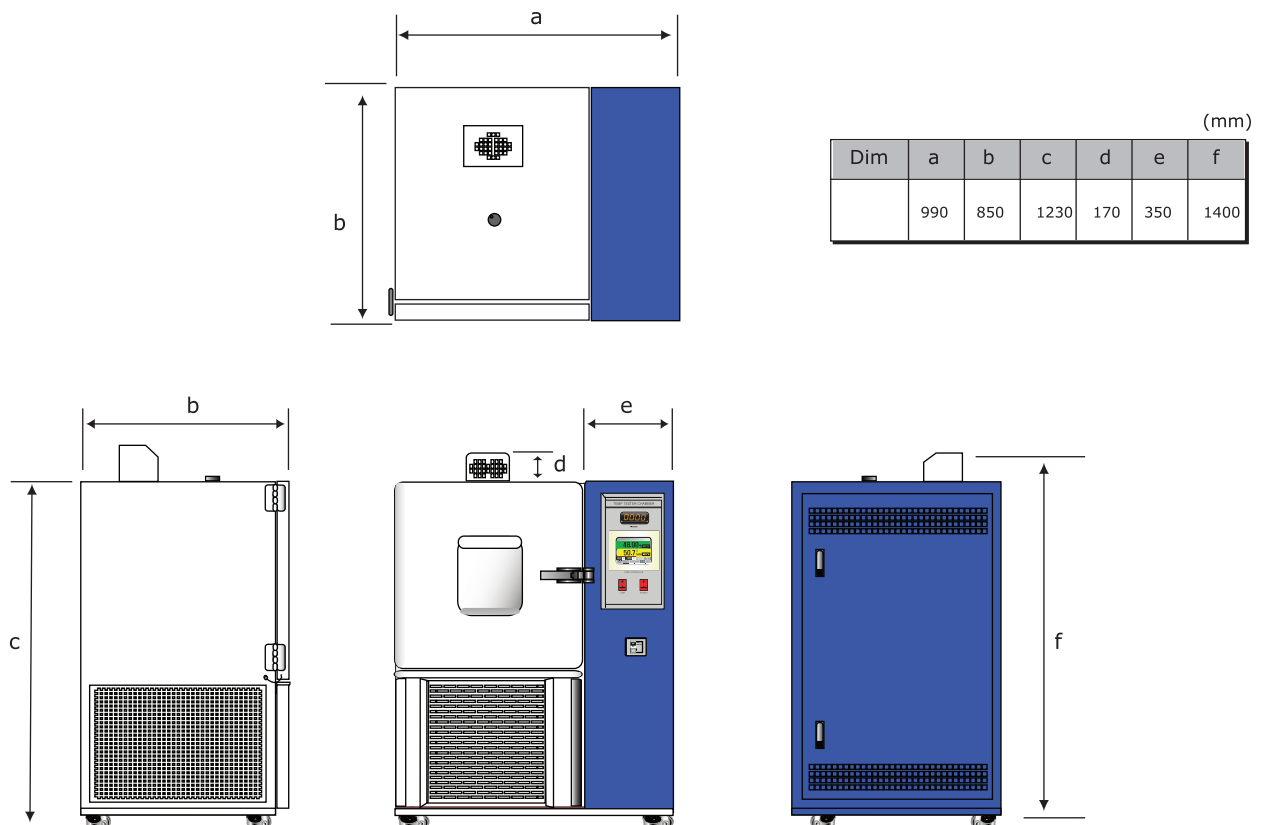
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Distinction



Structure



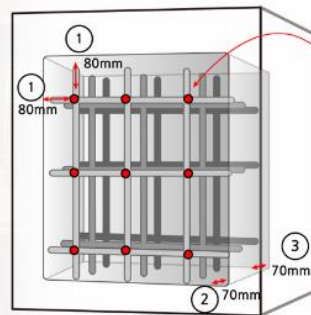
Temp & Humi Chamber

Standard equipment for reliability testing

Provides optimal temperature and humidity environment.



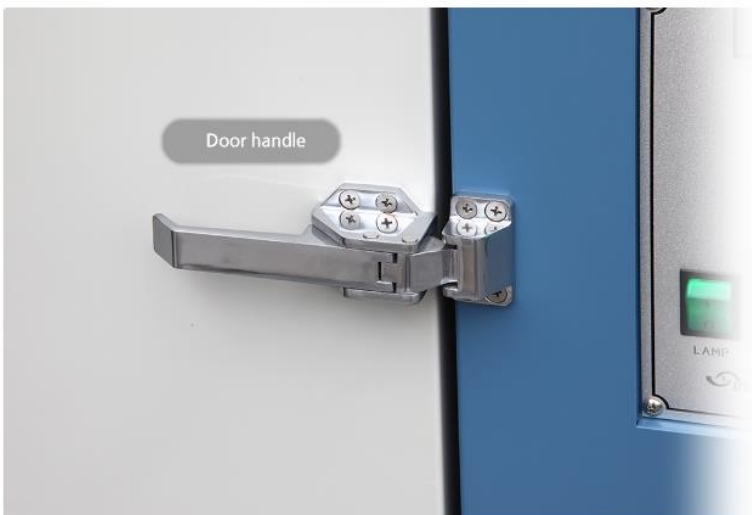
27 Point testing



PT Sensor

Test structure

Through rigorous quality testing
Product reliability is enhanced.

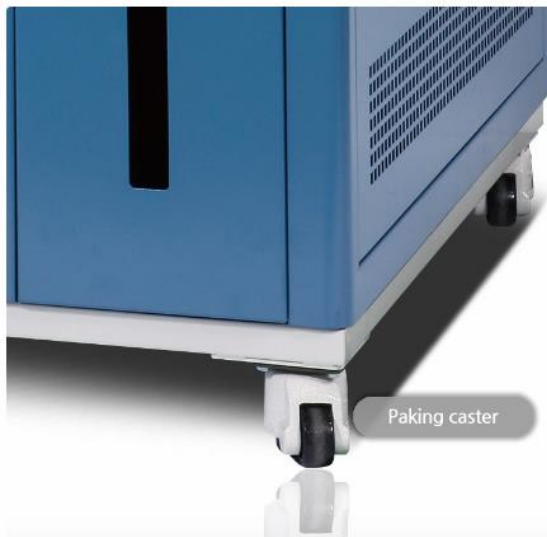
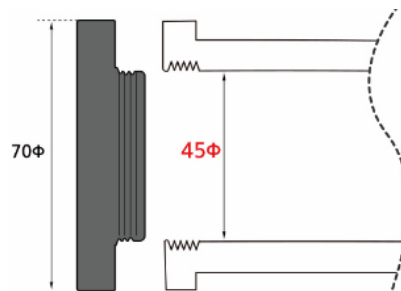


Door handle

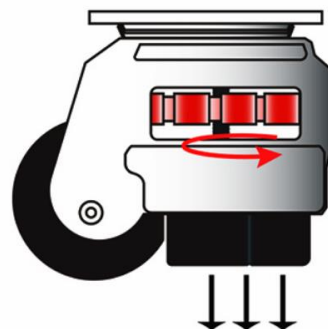
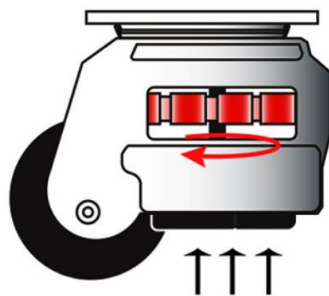
Increase the tightness of the door
Handle

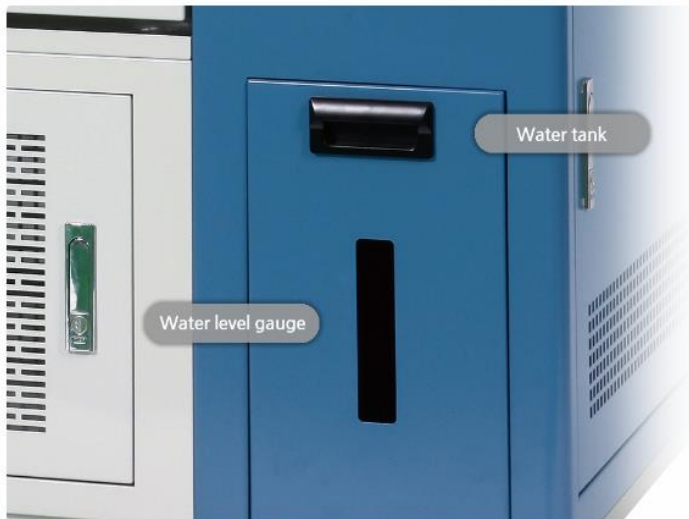


For connecting external devices
Cable hole



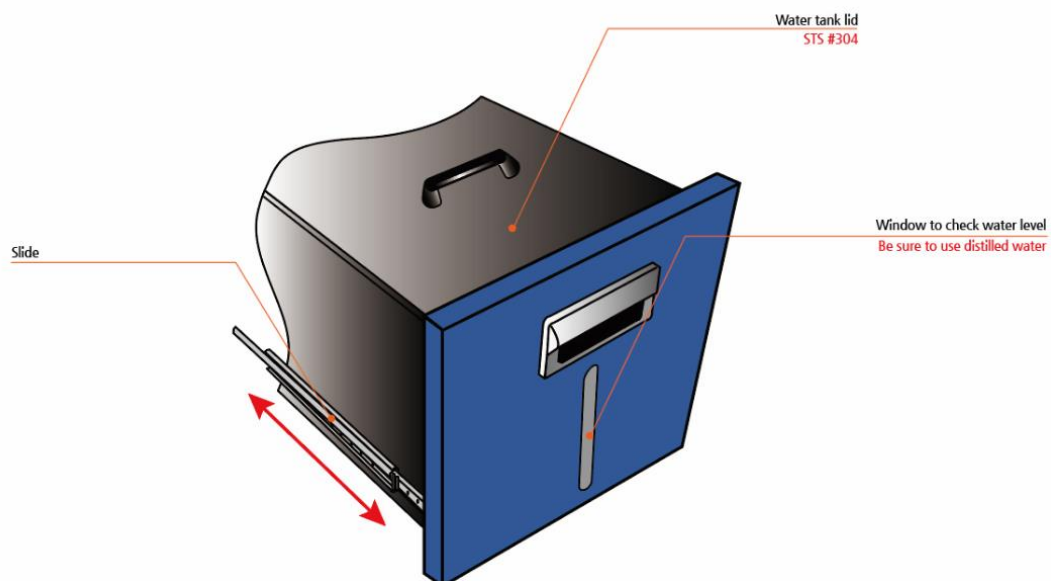
Prevent shaking of the device
In a horizontal position
Packing Caster





You can check the water level
An automatic distilled water bottle
(20L)

The automatic distilled water bottle is
an option specification.



PT 100Ω sensor
for various temperature & humidity

For precise humidity control
Electronic humidity sensor



For internal heat circulation
Fan flow

Height adjustable
Shelf unit

Reliability, stability, precision

PID Controller

Typically used in practical applications
A precision controller using **PID control** techniques

