

Product Presentation



Application

For conditioning of samples prior to testing. It also can be used for a variety of materials of high - low temperature alternating test. The test temperature, humidity and time can be programmed.



Control System

- Touch screen, South Korean import, 900 temperature controller
- Control mode: Touchpad
- Display: LCD display, Korean TEMi880, programmable.
- System capacity: 120 groups program X 100 sections, required segmentation sections of each group can be arbitrarily divided and each program can freely link another.
- Cycle setting: each operation procedure can carry out 9999 times or heaps of times cycle and repeated performance, and to the degree, divide further 5 segmentation sections to do part cycle of the extra.

Test space



- To place sample on test support for test.
- Space could be optional.

Control Panel



- PLC touch screen control
- Auto-test by set programs.
- Automatically stop when test finishes and can do alarm.
- With over-temp. protection device
- Can export test data

Power Switch



Power supply: AC220V or customized by user's power supply.

Water Inlet



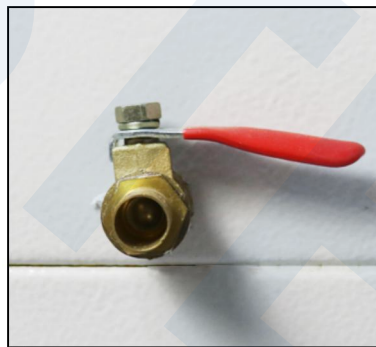
- Distilled water inlet
- Water level gauges

Air Exhaust



To remove or seal water vapor inside the chamber by sealing or opening.

Water Outlet



To drain off waste water

Right-side View



Right side view of the whole machine

Left-side View



Left side view of the whole machine

Test Space Options

Capacity	80L	150L	225L	408L	608L	1000L
Inside dimension WxHxD(cm)	40x50x40	50x60x50	50x75x60	60x85x80	80x95x85	100x100x100
Outside dimension WxHxD(cm)	95x136x94	100x146x104	100x161x117	110x171x137	130x181x137	152x 210x 127

Key Specification

Temperature range (optional, can be custom-made)	-20~150°C,	-40~150°C,	-60~150°C
Humidity range	20%~98%, can be set.		
Rate of temperature increasing	Room temperature~150°C	About 45 minutes(non-linear no-load, about 3.5°C/minute)	
	Room temperature~-20°C	About 45 minutes(non-linear no-load, about 1.2°C/minute)	
Machine precision	Control accuracy (test precision)	Temperature	+/-0.5°C
		Humidity	+/-1%RH
	Distribution accuracy (uniformity)	Temperature	+/-1.0°C
		Humidity	+/-2%RH
Environment temperature	5°C-28°C		
Relative humidity	≤85%RH		
Power voltage	220V AC(+/-10%), protect ground wire, ground resistance≤4Ω.		
Frequency	50+/-0.5Hz		
Power switch	Air-break switch(40A, knife switch or outlet is prohibited to use.)		
Power	4.5KW		
Humidification water	Resistivity(≥500MΩ)		
Requirement of ambient air quality	Do not contain high concentration dust and flammable gas, without strong electromagnetic radiation source nearby.		
Power supply	AC1 ∅ 3W 380V 50/60HZ, voltage change allowed value: ±10% of fixed voltage.		
Max loading capacity	8KVA		
Max operating current	30A		

Main Electrical Components Parts

Part Name	Brand	Country of Origin
Controller	TEMI880	Korea
AC Contactor	Schneider	France
Thermorelay	Schneider	France
AC Relay	Aomron	Japan
Sensor	Honeywell	USA
Pressure controller	DANFOSS	Denmark
Wind wheel	Cam York	Taiwan
Compressor	Taikan	France
Expansion	DANFOSS	Denmark
Plate heat exchanger	ALFA	Sweden
Expansion valve	DANFOSS	Denmark
Condenser	SECESPOL	Germany
Evaporimete	Juncheng	Taiwan
Oil separator	DANFOSS	Denmark
Heater	TAIDE	Taiwan
Refrigerant	Honeywell	USA
Desiccator	DANFOSS	Denmark
High-pressure cock	DANFOSS	Denmark
Solenoid valve	Saginomiya	Japan

Components Parts

Item NO.	Parts Name	Remark	Brand and Country of Origin
1	Compressor		TAIKAN - FRANCE
2	Oil separator		DANFOSS -DENMARK
3	AC Contactor		SCHNEIDER -FRANCE
4	Thermorelay		SCHNEIDER - FRANCE
5	AC Relay		AOMRON - JAPAN
6	Pressure controller		DANFOSS - DENMARK
7	Solenoid valve		SAGINOMIYA - JAPAN
8	Refrigerant		HONEYWELL - USA