

CATALOGUE

[2026 - 2027]

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ALP Technology (T&M) Ltd

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About Us



ALP TECHNOLOGY (T&M) LTD operates from dedicated manufacturing facilities and office complexes. As a joint-stock enterprise specializing in the R&D, manufacturing, and distribution of environmental testing instrumentation systems, ALP TECHNOLOGY is committed to delivering optimal value for global clients. Our expert engineering team and innovative management framework have established our leadership in developing industry-defining testing solutions.

Through relentless technological innovation and precision engineering, **ALP TECHNOLOGY** provides advanced testing equipment to critical sectors including aerospace, defense, energy, telecommunications, and academic research. Our client portfolio spans government institutions, Fortune 500 corporations, and leading research organizations worldwide.

Core Philosophy

Guided by our foundational principle of "Technological Excellence Rooted in Integrity,"

ALP TECHNOLOGY empowers clients to enhance product reliability through cutting-edge testing methodologies. Our enduring mission focuses on creating mutually beneficial partnerships that drive technological advancement.

Global Operations

Under the operational tenets of "Premium Quality · Customized Solutions · Sustainable Development," we maintain strategic hubs in Shanghai while expanding our global footprint.

ALP TECHNOLOGY testing systems have been successfully deployed in 50+ countries/regions across five continents.



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Warranty & Services

3 Years Warranty, Lifelong Follow-up Services

Advanced service:

Supply timely and perfect support on skill and business.

Going to review the locale of the customer and do professional design according to the desire of the customer.

Mid service:

Supply whole set of the technical documents (manual of use and repair, national standard concerned)

Support professors to the customer to help installation and testing, admit finish training at least 2 persons to be able to use it.

After-sales service:

Pay return visit periodically, listen to the advices of the customers and set up a service record for them. Supply technical support and using instruction lifelong. Once you call the service line of **ALP +86-18092160430**, send the question to our service Email info@alp-environment.com, we will contact with you at the highest speed. We admit that we will give the customers the feedback within 1 hour once we receive the call and also send the service engineers concerned to the locale to solve the problem within 24 hours. (except the special circumstance such as statutory holidays)

Packing & Shipping

First: Seal chamber with waterproof plastic film. Protect chamber from seawater corrosion.

Second: buffer foam is placed in the four corners of the chamber. It is used for fixing equipment to prevent shaking and damaging chamber during transportation.

Plywood: standard wood export packaging.



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Some Customer References





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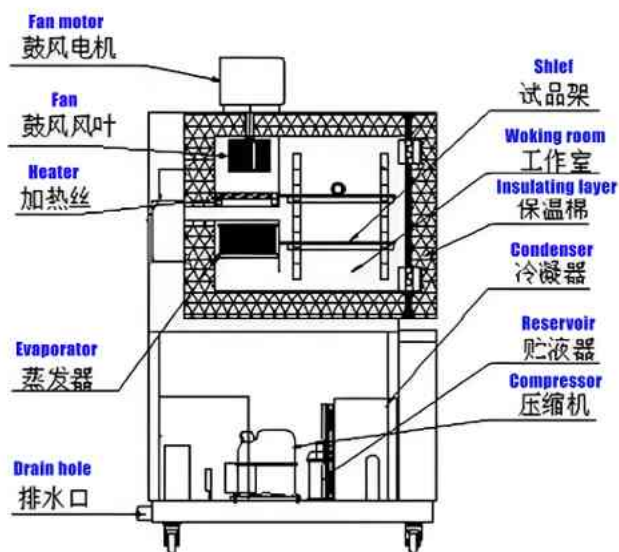
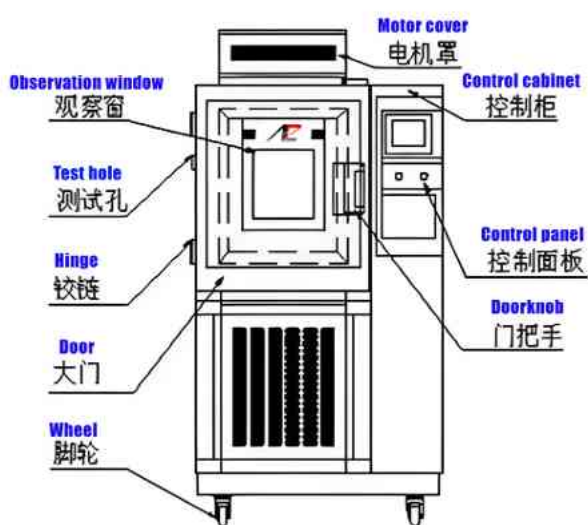
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Temperature test chamber





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Purpose

The inner bladder of the chamber is made of SUS304 stainless steel plate while the outer bladder is made of A3 steel plate sprayed with plastic.

A large observation window is set on the chamber door.

A test hole with 25mm, or 50mm or 100mm diameter is set on the left of the chamber body.

A fixable PU moving wheel is adopted on the bottom of the test chamber.

Controller

The temperature controller is Touch screen control panel [\(Customer specified brands can also be used\)](#)

Cooling and Air Path Circulation System

The cooler adopts original French Tecumseh fully-closed compressor.

The cooling system adopts single or dual low-temperature loop system design.

Specs & Technical Parameters

Model	ALP-GDW100	ALP-GDW225	ALP-GDW500	ALP-GDW1000
Workroom Dimensions(mm)	450*450*500	500*600*750	800*700*900	1000*1000*1000
Exterior Dimensions(mm)	1050*970*1760	1050*1020*2000	1320*1320*2170	1700*1520*2310
Power (@-40°C)	4.5 KW	5.5 KW	8.0 KW	10.0 KW
Temperature Range	A:-20°C~+150°C B:-40°C~+150°C C:-60°C~+150°C D:-70°C~+150°C			
Fluctuation/Evenness	≤±0.5°C/≤±2°C			
Temperature Rise Speed	1.0~3.0°C/min			
Temperature Fall Speed	0.7~1.0°C/min			



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Thermal shock test chamber



(2-zoom type)



(3-zoom type)



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Application					
It is necessary test equipment for the aerospace, automotive, home appliances, research and other fields, used for examination and identification of parameters, performance and the use of adaptive of electrical, electronics, automotive electronics, materials and other products, after making high and low temperature impact test. Applied to schools, factories, military, research, and other organizations.					
Specs & Technical Parameters		TS-100	TS-210	TS-300	TS-500
Pre-heat room	Upper limit pre-heat temperature	200°C			
	Heating time	R.T.~+200°C, about 40min (unload)			
Pre-cool room	Lower limit pre-cool temperature	-75°C			
	Cooling time	R.T.~-70°C, about 90min (unload)			
Workroom	Temperature shock range	-20°C、-40°C、-70°C~+150°C			
	Temperature fluctuation	≤±0.5°C			
	Temperature deviation	≤±3°C			
Transform time		≤15S			
Temperature revert time		≤5min			
Capacity		100 L	210 L	300 L	500 L
Workroom dimensions	D	500mm	700mm	700mm	900mm
	W	500mm	600mm	780mm	800mm
	H	400mm	500mm	550mm	700mm
Exterior dimensions	D	1150mm	1350mm	1350mm	2500mm
	W	1950mm	2100mm	2250mm	2250mm
	H	2100mm	2200mm	2300mm	2150mm



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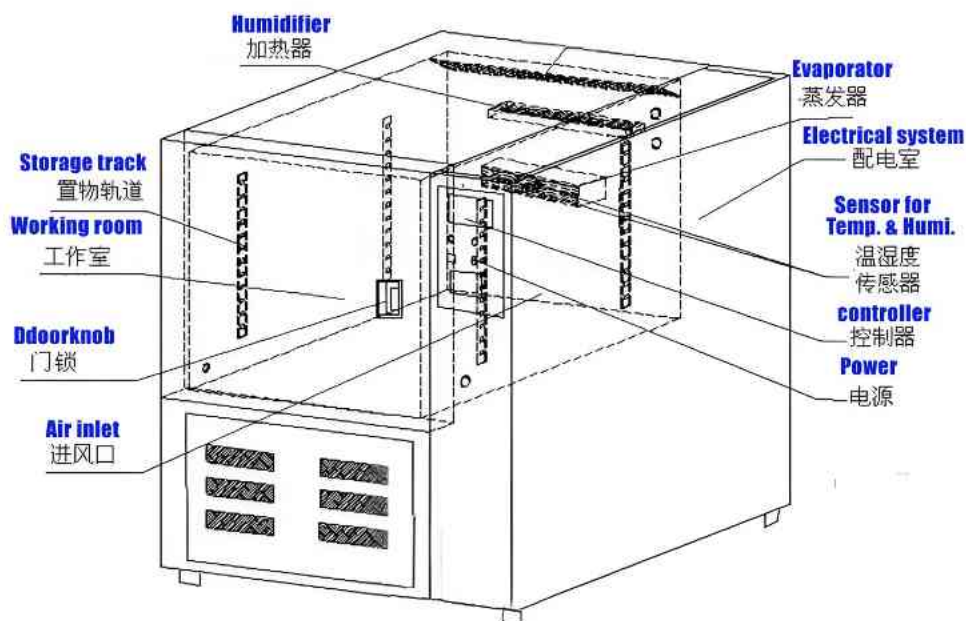
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Temperature & Humidity test chamber





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Purpose

This series is applicable for the testing of the indices of the spaceflight and aviation products, information electronic instruments and meters, materials, electrical and electronic products, and electronic and electrical components and parts in high-temperature, low-temperature, humid and heat environment.

Chamber Structure

The inner bladder of the chamber is made of SUS304 stainless steel plate while the outer bladder is made of A3 steel plate sprayed with plastic.

A large observation window is set on the chamber door.

Double-layer high-temperature resistant and high-intensity seal is adopted between the chamber door and the chamber body in order to ensure the obturation of the testing area.

A test hole with 25mm, or 50mm or 100mm diameter is set on the left of the chamber body.

A high-quality fixable PU moving wheel is adopted on the bottom of the test chamber.

Control System

The temperature controller is Touch screen control panel ([Customer specified brands can also be used](#))

The capacity of 100 sets of programmable 1,000-section 999-circular steps is available, and the set maximal time every section is 99h 59min.

There is USB, RS-232 or RS-485 communication interface and can connect to PC for corresponding operation.

Specs & Technical Parameters

Model	ALP-GDWS100	ALP-GDWS225	ALP-GDWS500	ALP-GDWS1000
Workroom Dimensions (mm)	450*450*500	500*600*750	700*800*900	1000*1000*1000
Exterior Dimensions (mm)	1050*970*1760	1050*1020*2000	1320*1320*2170	1700*1520*2310
Power	5.0 KW	7.0 KW	9.0 KW	12.0 KW
Temperature Range	A:-20°C~+150°C B:-40°C~+150°C C:-60°C~+150°C D:-70°C~+150°C			
Humidity Range	20~98% R.H			
Fluctuation/Evenness	≤±0.5°C/≤±2°C			
Humidity Deviation	+2, -3% R.H			
Temperature Rise Speed	1.0~3.0°C/min			
Temperature Fall Speed	0.7~1.0°C/min			



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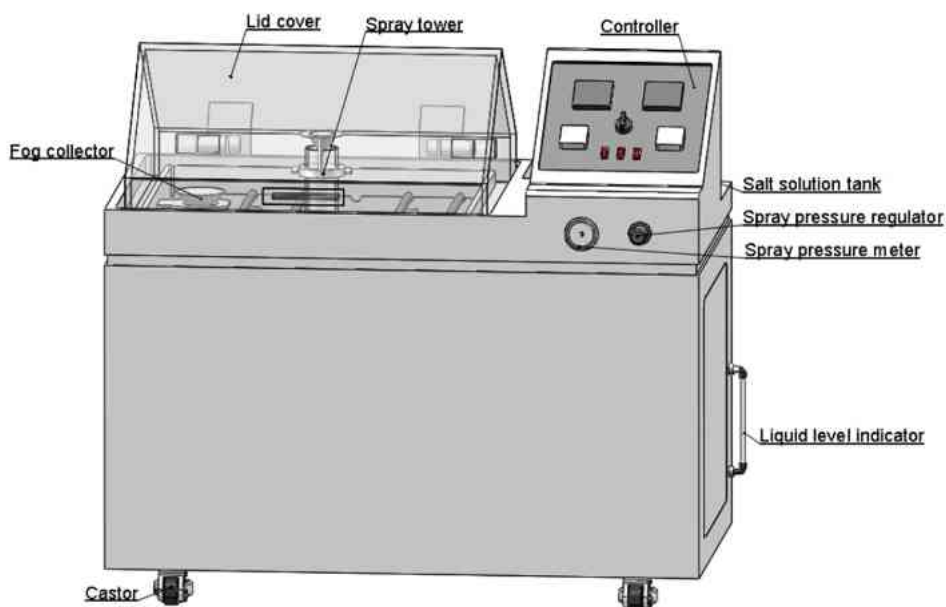
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Salt spray test chamber





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Purpose

The salt-mist chamber which tests corrosion resistance ability of the product, after painting, dope, galvanization, anodic treatment, rust prevention and so on to surface treatments for various materials. It is a corrosion test method which can spray the sodium chloride solution onto coated electroplating by atomizing spurts using in the salt mist testing machine.

Chamber Structure

The inner and external shell of the chamber is made from PVC materials; Corrosion resistant, shock resistant, easy launder no leakage phenomenon.

The number display of high-precision temperature control instrumentation, control precision, steady.

Long-term operation will not be permeated out, water airtight structure, no salt spray overflow. (Optional pneumatic rod, not a gas source close Cover effortlessly.)

Tower (or baffle) spray, salt spray evenly distributed, the settlement of the free adjustment of the nozzle without crystallization, double pressure adjustment and

Over-temperature protection; continuous cycle spray or optional (at the orders), excluding air compressor (such as customer needs, random configuration).

Specs & Technical Parameters

Model	ALP-YWX150	ALP-YWX250	ALP-YWX750	ALP-YWX010
Workroom Dimensions (mm)	450*600*400	600*900*500	750*1100*500	850*1300*600
Exterior Dimensions (mm)	800*1080*1080	960*1400*1350	1150*1750*1400	1250*2000*1550
Power	1.3 KW	2 KW	2.5 KW	4.5 KW
Temperature Range	+35°C~+55°C			
Humidity Range	95~98% R.H.			
Temperature Fluctuation	≤±0.5°C			
Temperature Uniformity	±2°C			
Air saturator	RT+5°C ~+55°C			
Spray deposition	1~2ml / 80cm ² · h			
Spray Type	Continuous / Periodic			
Test type	NSS, ASS, SS, CASS			



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CCT Salt spray test chamber





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Feature

- ▶ New generation appearance design, cabinet structure and control technology have been greatly improved, easy to install, stable technical indicators, reliable operation, easy maintenance, equipped with high-end universal rollers (according to model), easy to move in the experiment.
- ▶ Ultra-large touch screen (optional) operation, more concise and elegant appearance, easier operation, simple parameter setting, no need to enter the program menu, you can directly enter the parameter menu to modify, display the set value, current value
- ▶ Fully transparent flip cover design, convenient for observing the salt spray test status
- ▶ Large record volume, USB output, computer connection printing, large storage for paper and paperless records, etc. (optional)
- ▶ High reliability: The main components are selected from famous professional manufacturers to ensure the reliability of the whole machine

Safety protection

- ▶ Short circuit protection, water shortage protection, over-temperature protection, operator safety protection, test piece protection

Specs & Technical Parameters

Item No.	ALP-CCT60	ALP-CCT90	ALP-CCT120	ALP-CCT160	ALP-CCT200
Internal Size(mm)	600×450×X400	900×600×500	1200×850×500	1600×1000×500	2000×1000×600
Internal Size(mm)	1100×670×1180	1410×910×1220	2000×1150×1450	2400×1350×1450	2800×1350×1550
Volume	108L	270L	600L	680L	800L
Brine tank capacity	15L	25L	40L	40L	60L
Material thickness	5mm	6mm	8mm	8mm	10mm
Technical Parameters	Temperature	RT+5°C~50°C (set according to test standards)			
	Temperature fluctuation	≤±0.5°C			
	Salt spray deposition	1~2ml/h.80cm ²			
Spray	Spray Tower	Self-designed acrylic cone diffuser, which can adjust the size of the spray and make the mist fall evenly			
	Nozzle	PYREX glass precision nozzle (originally imported from Taiwan)			
	Spray method	Continuous or intermittent spraying			
Defogging method	The mist is expelled by air compression. The box cover is designed in a conical shape with a top angle of 120°, which is beneficial for the droplets generated by the salt mist to not drip directly on the sample. Ensure the accuracy of the test				



Control (optional touch screen instrument)	Laboratory temperature control: 0~99.9°C, accuracy 0.1°C (double digit display) PID automatic calculation
	Heating tank liquid expansion over-temperature protection controller 0~110°C
	Saturated barrel temperature controller: 0~99.9°C, accuracy 0.1°C (double display) PID automatic calculation
	Total time: 0~9999.9 h Interval time: 0~99.9 h
	Pressure adjustment structure: primary pressure regulating valve, secondary pressure regulating valve, pressure gauge, 2 Kg/cm ²
Material	CSS, ASS test (working room temperature 35°C): PVC high-grade sheet CASS test (working room temperature 50°C): PP high-grade sheet
Test environment	1. Temperature: In order to stably exert the functions and performance of the laboratory, a place with a year-round temperature of 5°C~35°C should be selected
	2. Relative humidity: not more than 85%RH.3 Atmospheric pressure: 86~106kPa.
	3. No strong vibration around
	4. No direct sunlight or other direct radiation from heat sources
	5. There is no strong airflow around. When the surrounding air needs to flow strongly, the airflow should not blow directly onto the box
	6. No strong electromagnetic field influence around
	7. There is no high concentration of dust and corrosive substances around.
Remark	Special requirements for non-standard, can be customized

Implementation of compliance standards and test methods

- ▶ ASTM B117 《Standard Practice for Operating Salt Spray (Fog) Apparatus》
- ▶ ASTM G85 《Standard Practice for Modified Salt Spray Testing》
- ▶ GB/T2423.17-2008 Environmental test procedures for electrical and electronic products Test KA Salt spray test method
- ▶ GB/T2423.18-2000 Environmental test procedures for electrical and electronic products Test Kb Salt spray test method
- ▶ GB/T10125-1997 Artificial atmosphere salt spray corrosion test
- ▶ GB/T10587-2006 Technical conditions for salt spray test chambers
- ▶ GB/10593.2-1990 Environmental parameter measurement methods for electrical and electronic products Salt spray
- ▶ GB/12967.3-2008 Copper accelerated acetic acid salt spray test (CASS)
- ▶ GB/T5170.8-2008 Inspection methods for environmental test equipment for electrical and electronic products Salt spray test equipment
- ▶ GB/T1771-2007 Determination of neutral salt spray resistance of paints and varnishes



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Other

- ▶ Ambient temperature: +5~+35°C
- ▶ Safety: short circuit protection, water shortage protection, over-temperature protection, operator safety protection, test piece protection

Accessories standard configuration

- ▶ Standard sample rack: 1 set of storage rods (can bear test products within 2Kg), 1 set of V-grooves, other special customization
- ▶ Test drug: 2 bottles of 500g NaCl
- ▶ Brine preparation bucket: 1 5 kg
- ▶ Standard collection cup: 80cm² Imported 1 (depending on model or 2)
- ▶ Measuring cylinder: 1 (or 2 depending on the model) 50mL measuring cylinder.

Bench Top Test Chamber



Application

They are widely used in fields of aviation, aerospace, information, electronic instruments, materials, parts, equipment for heat/cold tests and storage in high/low temperature.

Model MT4003 Series

Temperature range	-70°C~+150°C
Temperature fluctuation	±0.5°C
Temperature deviation	≤2°C
Heating power	2.0 KW
Internal dimensions (D x W x H)	250x300x400 mm
Power supply	220V/50Hz



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Box rain test chamber



(closed type)



(IPX 1-6) (open type)



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Purpose

This product is applicable for the outer protection of exterior lighting, signal devices and car lamps.

Chamber Structure

The guiding upright column is made with high-quality channel steel welding and exterior splicing of stainless-steel drawing blocks.

A sample table with rotate speed adjustable is available.

Control System

Adjusts pressure with flow meter.

Adopts imported frequency converter to control rotate speed in order to ensure the test can be conducted as per the applied standards.

A water filter is equipped.

Technical Requirements

Model	ALP-BR500	ALP-BR010
Workroom Dimensions	800*800*800 mm	1020*1200*1000 mm
Exterior Dimensions	1020*1360*1560 mm	1280*1720*1820 mm
Power	2.0(KW)	2.5(KW)
Water Spray Ring Radius	375mm	500mm
Water Pipe Diameter	φ16mm	
Spraying Hole Diameter	φ0.4mm	
Aperture Spacing	50mm	
Swing Range	±45°, ±60°, ±90°, ±180°	
Test Bench Rotation Speed	1r/min, or stepless speed regulating (optional)	



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Sand and dust test chamber



Purpose

This product is applicable for the dust proof and resistant test of various auto components and parts including lamps, meters, electric dust proof sheath, steering system and lock etc.

Executive Components of Sand Dust Test Chamber

The temperature controller is Touch screen control panel [\(Customer specified brands can also be used\)](#)

Specs & Technical Parameters

Model	ALP-SC500	ALP-SC800	ALP-SC1000	ALP-SC1500
Workroom Dimensions	800*800*800 mm	800*1000*1000 mm	1000*1000*1000 mm	1000*1500*1000 mm
Exterior Dimensions	1050*1220*1550 mm	1050*1420*1820 mm	1250*1420*1820 mm	1250*1920*1820 mm
Power	0.5 KW	1.0 KW	1.2 KW	2.5 KW
Mesh Diameter	50um			
Wire Spacing	75um			
Stone Powder Quantity	2kg~4kg/m3			
Hitting Time	0~99H59M			
Blower Time	0~99H59M			



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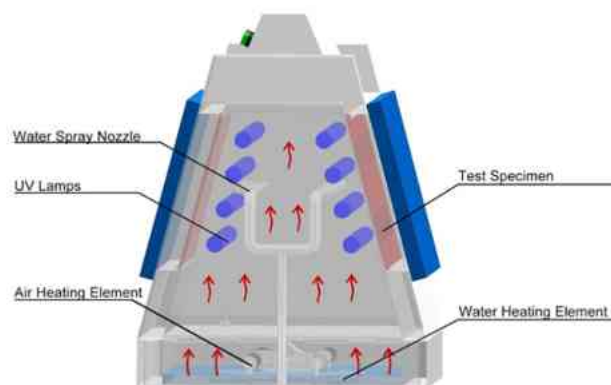
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UV weather resistance test chamber



Purpose

This series is applicable for the sunlight resistant test of nonmetallic materials and aging test of artificial light sources.

Chamber Structure

The inner bladder of the chamber is made of imported high-class stainless-steel plate while the outer bladder is made of A3 steel plate sprayed with plastic.

The heating mode adopts inner bladder trough type heating with its rapid temperature rise and even temperature distribution.

Control System

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Adopts black aluminum plate to connect temperature sensor and adopts black board temperature meter to control heating so as to ensure more stable temperature.

The radiometer probe is fixed so as to avoid the frequent installation and disassembly.

The radiation quantity adopts the special UV irradiator with high-precision display and measurement.

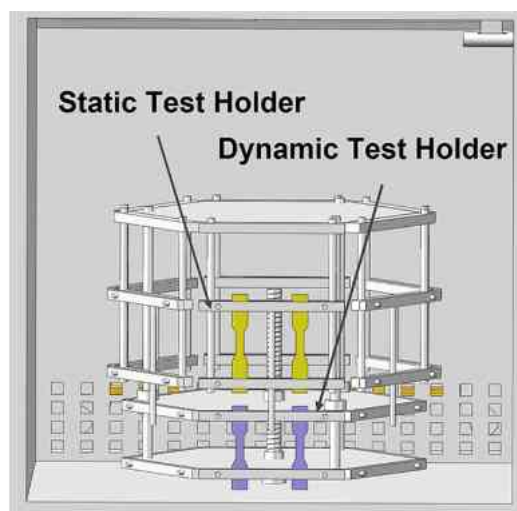
The radiation intensity is not more than 50W/m².

The illumination and condensation can be controlled independently or alternatingly and circularly.

Specs & Technical Parameters

Model	ALP-UV-P
Workroom Dimensions	450*1170*500 mm
Exterior Dimensions	580*1280*1350 mm
Power	4.0 KW
Temperature Range	RT+10°C~70°C
Humidity Range	≥95 % R.H
Lamp Spacing	35mm
Distance between Sample and Lamp	50mm
Quantity of Samples Supported	150mm (L) × 75mm (W), about 40 pcs
UV Wavelength	290nm~400nm UV-A, UV-B, UV-C (Subject to the specifications in order)
Lamp Power	40W

Xenon-lamp weather resistance test chamber





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Purpose

ALP xenon lamp test chamber adopts the xenon arc lamp that can simulate full sunlight spectrum to reproduce destructive light waves existing in different environments so as to provide the corresponding environment simulation and acceleration test for scientific research, product development and quality control.

Chamber Structure

The inner bladder of the chamber is made of imported high-class stainless-steel plate while the outer bladder is made of A3 steel plate sprayed with plastic. Adopts the full spectrum xenon lamp with the functions of temperature and humidity, illumination, spray and condensation.

The controller is Touch screen control panel ([Customer specified brands can also be used](#))

Specs & Technical Parameters

Model	ALP-XL500	ALP-XL900
Workroom Dimensions	500*760*500 mm	950*950*850 mm
Exterior Dimensions	1200*1150*1480 mm	1280*1320*1980 mm
Lamp Quantity	3 pcs	1 pcs
Lamp Cooling Mode	Air cooling	Water cooling
Temperature Range	RT+10°C~70°C	
Humidity Range	50~98%R.H	
Rainfall Time	0~9999 min (adjustable)	
Spectrum Wavelength	290nm~800nm	

Lab Oven

Summary

Provided to industrial and mining enterprises, laboratories and scientific research for desiccation, torrefaction, wax-melting and sterilization.

Features

- ✚ Microprocessor control (with timing function)
- ✚ Interior of oven is made of specular steel by argon-arc-welding techniques, and the exterior of oven is made of high-quality steel sheet with a beautiful and novel appearance.
- ✚ Microprocessor PID temperature controller with temperature control protection, digits display and timing function ensures a precise and reliable temperature control. (Intelligent programmable LCD temperature controller is and option).
- ✚ Hot-air circulating system consists of a fan keeping running under a high temperature and proper air ducts to ensure a uniform distribution of temperature in chamber.
- ✚ Independent alarm system for temperature-limiting ensures experiments run safely and no accident would happen. (Option)
- ✚ Recorder and printer are options which can print or record setting parameters and tracing variation curves of temperature. (Option)



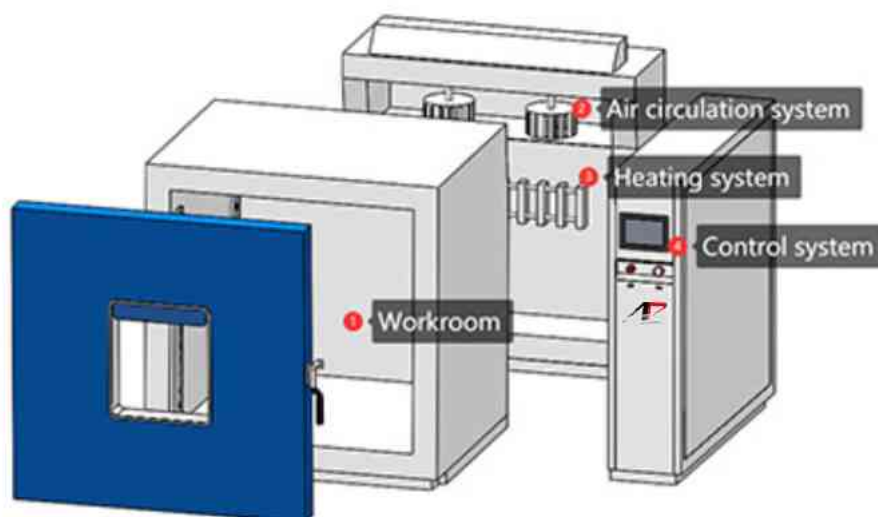
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Industrial Oven



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Model	Power	Input power	Temperature Range	Temperature Control	Temperature Stability	Interior Dimension (W×D×H)(mm)	Overall Dimension (W×D×H)(mm)
ALP-9023A	220V 50Hz	500W	RT+10℃~250℃	±0.1℃	±0.5℃	300×300×270	500×450×440
ALP-9053A		750W				420×350×350	710×520×520
ALP-9123A		1500W				550×350×550	840×530×730
ALP-9203A		2000W				600×550×600	890×730×780

Model	Power	Input power	Temperature Range	Temperature Control	Temperature Stability	Interior Dimension (W×D×H)(mm)	Overall Dimension (W×D×H)(mm)
ALP-9030A	220V 50Hz	550W	RT+10℃~250℃	±0.1℃	±0.5℃	340×320×320	620×530×490
ALP-9070A		1050W				400×350×500	600×550×755
ALP-9140A		1500W				450×550×550	600×710×845
ALP-9240A		2100W				500×600×750	650×755×1045
ALP-9420A		4000W				600×550×1300	745×750×1670
ALP-9620A		4500W				800×600×1300	945×800×1690
ALP-9920A		6000W				1000×600×1600	1140×800×2150



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Muffle Furnace



Corrosion-resistant lightweight furnace



Ceramic fiber furnace

Application

- Specially used in laboratories of industrial and mining enterprises, universities, scientific research institutions, etc. for chemical element analysis and high-temperature heat treatment such as quenching, tempering, etc. of small steel parts;
- It can also be used for high-temperature heating such as sintering, dissolving, and analysis of metals, stone tools, ceramics, etc.

Feature

- Unique furnace door design, safer and easier to open, ensuring that the high-temperature hot air in the furnace does not leak out;
- Microcomputer PID controller, easy to operate, accurate, reliable and safe temperature control;
- Corrosion-resistant lightweight furnace, ensuring durability (Corrosion-resistant lightweight furnace or ceramic fiber furnace is available);
- Special door seal design minimizes heat loss and increases the stability of the temperature in the furnace;
- Programmable controller, 30-stage programmable each stage can be set to heat up or stay, and provide program storage temperature, time, heating power cycle (Programmable type furnace has this function);
- Multi-stage programmable control can simplify complex experimental processes and truly realize automatic control and operation. The furnace door liner and the panel are made of stainless steel, which has the advantages of corrosion resistance and high temperature non-deformation. (Programmable type furnace has this function)



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Safety protection

- When operating, you only need to open the furnace door, and the furnace door safety switch will automatically disconnect the heating power supply to ensure the safety of the operator;
- There are multiple safety protection measures such as overcurrent, overvoltage, and overheating to ensure the safe use of the electric furnace;

Specs & Technical Parameters

Product name	Model	Temp.	Interior Dimensions	Volume	Voltage	Watt
Muffle furnace	ALP-2.5-10N	1000°C	120x200x80mm	2L	220V/50HZ	2.5KW
	ALP-4-10N	1000°C	200X300X120mm	7L	220V/50HZ	4KW
	ALP-8-10N	1000°C	250X400X160mm	16L	380V/50HZ	8KW
	ALP-12-10N	1000°C	300X500X200mm	30L	380V/50HZ	12KW
	ALP-2.5-12N	1200°C	120X200X80mm	2L	220V/50HZ	2.5KW
	ALP-5-12N	1200°C	200X300X120mm	7L	380V/50HZ	5KW
	ALP-10-12N	1200°C	250X400X160mm	16L	380V/50HZ	10KW
	ALP-4-13N	1300°C	150X250X100mm	4L	220V/50HZ	4KW
Programmable furnace	ALP-2.5-10NP	1000°C	120x200x80mm	2L	220V/50HZ	2.5KW
	ALP-4-10NP	1000°C	200X300X120mm	7L	220V/50HZ	4KW
	ALP-8-10NP	1000°C	250X400X160mm	16L	380V/50HZ	8KW
	ALP-12-10NP	1000°C	300X500X200mm	30L	380V/50HZ	12KW
	ALP-2.5-12NP	1200°C	120X200X80mm	2L	220V/50HZ	2.5KW
	ALP-5-12NP	1200°C	200X300X120mm	7L	380V/50HZ	5KW
	ALP-10-12NP	1200°C	250X400X160mm	16L	380V/50HZ	10KW
	ALP-4-13NP	1300°C	150X250X100mm	4L	220V/50HZ	4KW
	ALP-8-13NP	1300°C	200X500X180mm	18L	380V/50HZ	8KW
	ALP-8-16NP	1600°C	150X300X120mm	5L	380V/50HZ	8KW
	ALP-12-16NP	1600°C	200X400X160mm	13L	380V/50HZ	12KW
	ALP-2.5-10TP	1000°C	120X200X80mm	2L	220V/50HZ	2.5KW
	ALP-4-10TP	1000°C	200X300X120	7L	220V/50HZ	4KW
	ALP-8-10TP	1000°C	250X400X160mm	16L	380V/50HZ	8KW
	ALP-10-12TP	1200°C	250X400X160mm	16L	380V/50HZ	10KW



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Multi-function test chamber





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Walk-in test chamber





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Aging Room





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