

ESTON

We can produce for you



CLIMATIC TEST SPECIALIST

2019 PRODUCT CATALOGUE
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Catalogue

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About Us

ESTON was founded on 2004 year, we located at the beautiful city of Shanghai, China.

We produce environment test equipments and service for China users and foreign distributors. We have professional R&D team, our engineers have more design experience, most of them came from some world famous environment test equipments manufactures, and takes us more new design and idea for our products.

Our plant area is about 1500 square meters, and we have professional production facilities, the equipments' materials and sheet metal workings are done by ourselves. So we can customize any specifications test equipments in our side. We always believe that, there is no best equipments in the world, but our test equipments are best suitable for users.

We have passed the ISO production management certificate, each of equipments must be tested more than 1 week before shipment. So our test chambers can keep high performance testing functions and can be also very competitive in the market for distributors.

Our main market is in China, since from 2013 year, we started to develop the foreign markets, and by now, we have established many cooperation relationships with foreign distributors. We hope more and more foreign distributors can choose to cooperate with us in future. We can make effort together to provide the best suitable environment test equipments to the world.

ESTON welcome users and distributors come to visit us, your suggestions and ideas are best important for us.

Thank you to choose **ESTON** environment test equipments.

Temperature & Humidity Test Chamber



Model	Working Room Size WDH	Temperature Range	Model	Working Room Size WDH	Temperature Range
GDWS-120A	450×450×600mm	- 20℃ ~ +180℃	GDWS-225A	600×500×750mm	- 20℃ ~ +180℃
GDWS-120B		- 40℃ ~ +180℃	GDWS-225B		- 40℃ ~ +180℃
GDWS-120C		- 70℃ ~ +180℃	GDWS-225C		- 70℃ ~ +180℃
GDWS-408A	600×800×850mm	- 20℃ ~ +180℃	GDWS-500A	700×800×900mm	- 20℃ ~ +180℃
GDWS-408B		- 40℃ ~ +180℃	GDWS-500B		- 40℃ ~ +180℃
GDWS-408C		- 70℃ ~ +180℃	GDWS-500C		- 70℃ ~ +180℃
GDWS-800A	1000×800×1000mm	- 20℃ ~ +180℃	GDWS-1000A	1000×1000×1000mm	- 20℃ ~ +180℃
GDWS-800B		- 40℃ ~ +180℃	GDWS-1000B		- 40℃ ~ +180℃
GDWS-800C		- 70℃ ~ +180℃	GDWS-1000C		- 40℃ ~ +180℃

Specifications

Temperature Fluctuation	± 0.5℃	Heating Rate	2℃/min heat-up
Temperature Uniformity	± 2.0℃	Cooling Rate	1℃/min cool-down
Humidity Test Range	20% ~ 98%RH	Controller Type	5.7 inch true color screen
Humidity Fluctuation	± 2.0%	Program Capacity	Max 120 groups, and all groups can be circulated.
Humidity Uniformity	± 2.0%	Communication Interface	RS232, USB
Internal Material	SUS304 stainless steel	External Material	Stainless steel plate with electrostatic painting
Shelf Material	Stainless steel	Insulation Material	High quality polyurethane foam
Observation Window	√	Test Hole Diameter	100mm
Cooling Way	Air cooling	Compressor Brand	Tecumseh or other famous brands
Refrigrant Oil Type	R404A/ R23	Condenser	Air cooled condenser
Motor Fan	Low noise centrifugal fan	Power Supply	220V, 50Hz, 1-ph or 380V, 50Hz, 3-ph
Relative Room Temperature	5℃ ~ 35℃	Relative Room Humidity	≤ 85% RH

Benchtop Climatic Test Chamber



Model	Internal Size External Size WDH	Temperature Range	Model	Internal Size External Size WDH	Temperature Range
BT-27L2	300×300×300mm 700×1100×750mm	- 20℃ ~ +180℃	BT-50L2	370×370×370mm 770×1200×850mm	- 20℃ ~ +180℃
BT-27L4		- 40℃ ~ +180℃	BT-50L4		- 40℃ ~ +180℃
BT-27L7		- 70℃ ~ +180℃	BT-50L7		- 70℃ ~ +180℃

Specifications

Temperature Fluctuation	± 0.5℃	Heating Rate	2℃/min heat-up
Temperature Uniformity	± 2.0℃	Cooling Rate	1℃/min cool-down
Humidity Test Range	20% ~ 98%RH	Controller Type	5.7 inch true color screen
Humidity Fluctuation	± 2.0%	Program Capacity	Max 120 groups, and all groups can be circulated.
Humidity Uniformity	± 2.0%	Communication Interface	RS232, USB
Internal Material	SUS304 stainless steel	External Material	Stainless steel plate with electrostatic painting
Shelf Material	Stainless steel	Insulation Material	High quality polyurethane foam
Observation Window	√	Test Hole Diameter	50mm
Cooling Way	Air cooling	Compressor Brand	Tecumseh or other famous brands
Refrigrant Oil Type	R404A/ R23	Condenser	Air cooled condenser
Motor Fan	Low noise centrifugal fan	Power Supply	220V, 50Hz, 1-ph or 380V, 50Hz, 3-ph
Relative Room Temperature	5℃ ~ 35℃	Relative Room Humidity	≤ 85% RH

Constant Temperature & Humidity Test Chamber



Model	Internal Size External Size WDH	Temperature Range	Model	Internal Size External Size WDH	Temperature Range
HWS-250L	580×510×835mm 740×800×1610mm	0℃ ~ +80℃	HWS-450L	600×650×1400mm 760×900×2010mm	0℃ ~ +80℃

Specifications

Temperature Fluctuation	± 0.5℃	Heating Rate	2℃/min heat-up
Temperature Uniformity	± 2.0℃	Cooling Rate	1℃/min cool-down
Humidity Test Range	20% ~ 98%RH	Controller Type	5.7 inch true color screen
Humidity Fluctuation	± 2.0%	Program Capacity	Max 120 groups, and all groups can be circulated.
Humidity Uniformity	± 2.0%	Communication Interface	RS232, USB
Internal Material	SUS304 stainless steel	External Material	Stainless steel plate with electrostatic painting
Shelf Material	Stainless steel	Insulation Material	High quality polyurethane foam
Observation Window	√	Test Hole Diameter	50mm
Cooling Way	Air cooling	Compressor Brand	Single Compressor System Dual-Compressors System
Refrigrant Oil Type	R404A	Condenser	Air cooled condenser
Motor Fan	Low noise centrifugal fan	Power Supply	220V, 50Hz, 1-ph 240V, 50Hz, 1-ph
Relative Room Temperature	5℃ ~ 35℃	Relative Room Humidity	≤ 85% RH

High-Speed Temperature Rate Test Chamber



Model	Working Room Size WDH	Heating/Cooling Rate	Model	Working Room Size WDH	Heating/Cooling Rate
KSWB-120B	450×450×600mm	Average 15℃/min	KSWB-500B	700×800×900mm	Average 15℃/min
KSWB-225B	600×500×750mm		KSWB-1000B	1000×1000×1000mm	

Specifications

Temperature Range	- 40℃ ~ +180℃	Heating Rate	Average 15℃/min heat-up
Temperature Fluctuation	± 0.5℃	Cooling Rate	Average 15℃/min heat-up
Temperature Uniformity	± 2.0℃	Cooling Way	Water Cooling
Internal Material	SUS304 stainless steel	Controller Type	7.0 inch true color screen
External Material	Stainless steel plate with electrostatic painting	Program Capacity	Max 120 groups, and all groups can be circulated.
Shelf Material	Stainless steel	Communication Interface	RS232, USB, Ethernet
Insulation Material	High quality polyurethane foam	Compressor Brand	Bitzer Compressor Groups
Observation Window	√	Condenser	Water cooled condenser
Test Hole Diameter	100mm	Refrigrant Oil Type	R404A/ R23
Motor Fan	Low noise centrifugal fan	Power Supply	380V, 50Hz, 3-ph
Relative Room Temperature	5℃ ~ 35℃	Relative Room Humidity	≤ 85% RH

Note: **ESTON** can design and customize this type of High-speed temperature rate test chamber, users can provide:

- 1) working room size, 2) temperature range, 3) heating/cooling rate,
- 4) average change or linear change, 5) air cooling or water cooling

Thermal Shock Chamber



Model	Working Room Size WDH	Temperature Shock Range	Model	Working Room Size WDH	Heating/Cooling Rate
TS-120C	450×450×600mm	-65℃ ~ +150℃	TS-500C	700×800×900mm	-65℃ ~ +150℃
TS-225C	600×500×750mm		TS-1000C	1000×1000×1000mm	

Specifications

Pre-Heat Temperature Range	+60℃ ~ +200℃	Temperature Fluctuation	±0.5℃
Heating Rate	+60℃~+200℃≤40 minutes	Temperature Uniformity	±2.0℃
Pre-Cold Temperature Range	-10℃ ~ -70℃	Temperature Recovery Time	≤5 minutes
Cooling Rate	-10℃~-70℃≤100 minutes	Cooling Way	Water Cooling
Controller Type	7.0 inch true color PLC controller	Internal Materials	SUS304 stainless steel
Controller Run Mode	Fix and Program	External Materials	Stainless steel plate with electrostatic painting
Program Capacity	Max 120 groups, all groups can be circulated	Shelf Materials	Stainless steel
Controller Language	English Russian-option	Insulation Materials	High-quality polyurethane foam
Communication Interface	RS232, USB, Ethernet	Test Hole	50mm or 100mm diameter Rubber plug
Controller Software	Yes	Test Hole Quantity	1 or 2 pcs
Compressor Brand	Bitzer Compressor Groups	Power Supply	380V, 50Hz, 3-ph
Refrigerant Oil Type	R404A/R23/R508B	Relative Room Temperature	+5℃ ~ +35℃
Motor Fan	Low noise centrifugal fan	Relative Room Humidity	≤ 85% RH

Note: **ESTON** can design and customize this type of Thermal shock chamber, users can provide:

- 1) working room size, 2) basket type or 3-boxes type, 3) temperature shock range,
- 4) air cooling or water cooling

Altitude Chamber

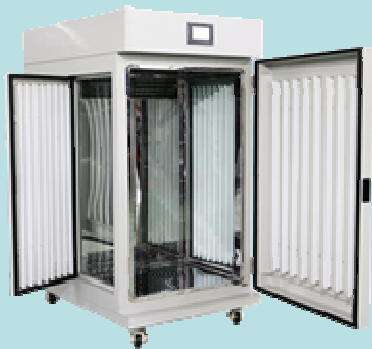


Model	Internal Size External Size WDH	Air Pressure Range	Model	Internal Size External Size WDH	Air Pressure Range
DQY-150D	500×500×600mm 800×1600×1700mm	Normal ~ 0.5 KPa	DQY-512D	800×800×800mm 1100×1900×1900mm	Normal ~ 0.5 KPa
DQY-252D	600×600×700mm 900×1700×1800mm		DQY-1000D	1000×1000×1000mm 1300×2200×2100mm	

Specifications

Temperature Range	- 75℃ ~ +150℃	Air Pressure Range	Normal ~ 0.5 KPa
Temperature Fluctuation	± 0.5℃ Per IEC60068 3-5	Heating Rate	1.0~3.5℃/min heat-up
Temperature Uniformity	± 2.0℃	Cooling Rate	0.7~1.2℃/min cool-down
Humidity Test Range	20% ~ 98%RH 10% ~ 98%RH -Option	Controller Type	7.0 inch true color screen
Humidity Fluctuation	± 2.0%	Program Capacity	Max 120 groups, and all groups can be circulated.
Humidity Uniformity	± 2.0%	Communication Interface	RS232, USB, Ethernet
Air Pressure Down Speed	DQY-150D, DQY-252D ≤20 mins (Normal ~1KPa) DQY-512D, DQY-1000D ≤30 mins (Normal ~1KPa)	Air Pressure Deviation	Normal ~ 40KPa: ± 1.8KPa 40KPa ~ 4KPa: ± 4.5% 4KPa ~ 0.5KPa: ± 0.1KPa
Pressure Sensor	Electronic Pressure Transmitter	Vacuumize Way	Mechanical rotary vane vacuum pump
Internal Material	SUS304 stainless steel	External Material	Stainless steel plate with electrostatic painting
Shelf Material	Stainless steel	Insulation Material	High quality polyurethane foam
Observation Window	√	Test Hole Diameter	100mm
Cooling Way	Water cooling	Compressor Brand	Semi-hermetic compressor (mechanical refrigeration)
Refrigrant Oil Type	R404A/ R508B/R14	Condenser	Water cooled condenser
Motor Fan	Low noise centrifugal fan	Power Supply	380V, 50Hz, 3-ph
Relative Room Temperature	5℃ ~ 35℃	Relative Room Humidity	≤ 85% RH

Lighting Chamber

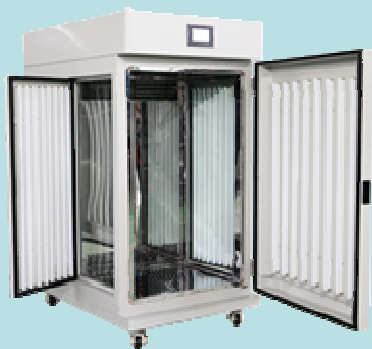


Model	Internal Size External Size WDH	Illumination Range	Model	Internal Size External Size WDH	Illumination Range
WG-250L	580×510×835mm 740×800×1610mm	0 ~ 12000 LUX adjusted	WG-450L	600×650×1400mm 760×900×2010mm	0 ~ 25000 LUX adjusted

Specifications

Temperature Range	0℃ ~ +80℃	Lamp Type	Fluorescent lamp
Temperature Fluctuation	± 0.5℃	Heating Rate	2℃/min heat-up
Temperature Uniformity	± 2.0℃	Cooling Rate	1℃/min cool-down
Lamp Control Mode	Controlled by PID	Controller Type	5.7 inch true color screen
Spectral Type	Full Spectrum	Program Capacity	Max 120 groups, and all groups can be circulated.
Lamp Install Location	Door, Shelf, Door and Shelf	Communication Interface	RS232, USB
Internal Material	SUS304 stainless steel	External Material	Stainless steel plate with electrostatic painting
Shelf Material	Stainless steel	Insulation Material	High quality polyurethane foam
Observation Window	No with door lamps	Test Hole	No with door lamp
Cooling Way	Air cooling	Compressor Brand	Single Compressor System Dual-Compressors System
Refrigrant Oil Type	R404A	Condenser	Air cooled condenser
Motor Fan	Low noise centrifugal fan	Power Supply	220V, 50Hz, 1-ph 240V, 50Hz, 1-ph
Relative Room Temperature	5℃ ~ 35℃	Relative Room Humidity	≤ 85% RH

Lighting Climatic Chamber



Model	Internal Size External Size WDH	Illumination Range	Model	Internal Size External Size WDH	Illumination Range
WSG-250L	580×510×835mm 740×800×1610mm	0 ~ 12000 LUX adjusted	WSG-450L	600×650×1400mm 760×900×2010mm	0 ~ 25000 LUX adjusted

Specifications

Temperature Range	0℃ ~ +80℃	Lamp Type	Fluorescent lamp
Temperature Fluctuation	± 0.5℃	Heating Rate	2℃/min heat-up
Temperature Uniformity	± 2.0℃	Cooling Rate	1℃/min cool-down
Lamp Control Mode	Controlled by PID	Spectral Type	Full Spectrum
Lamp Install Location	Door, Shelf, Door and Shelf	Lamp Quantity	18 pcs
Humidity Test Range	20% ~ 98%RH	Controller Type	5.7 inch true color screen
Humidity Fluctuation	± 2.0%	Program Capacity	Max 120 groups, and all groups can be circulated.
Humidity Uniformity	± 2.0%	Communication Interface	RS232, USB
Internal Material	SUS304 stainless steel	External Material	Stainless steel plate with electrostatic painting
Shelf Material	Stainless steel	Insulation Material	High quality polyurethane foam
Observation Window	No with door lamp	Test Hole	No with door lamp
Cooling Way	Air cooling	Compressor Brand	Single Compressor System Dual-Compressors System
Refrigrant Oil Type	R404A	Condenser	Air cooled condenser
Motor Fan	Low noise centrifugal fan	Power Supply	220V, 50Hz, 1-ph 240V, 50Hz, 1-ph
Relative Room Temperature	5℃ ~ 35℃	Relative Room Humidity	≤ 85% RH

Walk In Test Room



Model	Internal Size WDH	Temperature Range Humidity Range	Model	Internal Size WDH	Temperature Range Humidity Range
Room-8cbm	580×510×835mm 740×800×1610mm	-40℃ ~ +150℃ 20% ~ 98%RH	Room-16cbm	600×650×1400mm 760×900×2010mm	-40℃ ~ +150℃ 20% ~ 98%RH

Specifications

Temperature Fluctuation	± 0.5℃	Heating Rate	Average ≥1.0℃/min
Temperature Uniformity	± 2.0℃	Cooling Rate	Average ≥1.0℃/min
Humidity Test Range	20% ~ 98%RH	Controller Type	10 inch true color screen
Humidity Fluctuation	± 2.0%	Program Capacity	Max 120 groups, and all groups can be circulated.
Humidity Uniformity	± 2.0%	Communication Interface	RS232, USB, Ethernet
Internal Material	1.5mm thickness SUS#304 stainless steel	External Material	2.0mm thickness cold-roll steel sheet + paint
Bottom Board	3.0mm thickness skidproof steel plate	Bottom Load	≥3000kg/m2
Insulating Layer	Insulation board + Rock wool + PU foaming	Insulating Thickness	150mm
Observation Window	4-layers explosion-proof type hollow tempered glass	Test Hole Diameter	100mm
Cooling Way	Water Cooling	Compressor Brand	2 sets 15HP copeland compressors
Refrigrant Oil Type	R404A+ R23/R508B	Condenser	Water cooled condenser
Motor Fan	Low noise centrifugal fan	Power Supply	220V, 50Hz, 1-ph 240V, 50Hz, 1-ph
Relative Room Temperature	5℃ ~ 35℃	Relative Room Humidity	≤ 85% RH

PVC Salt Spray Corrosion Chamber



Model	Internal Size WDH	Production Material	Model	Internal Size WDH	Production Material
YWX-150	600×450×400mm	PVC	YWX-010	1600×1000×500mm	PVC
YWX-250	900×600×500mm		YWX-020	2000×1000×600mm	
YWX-750	1200×1000×500mm				

Specifications

Test Way	SS, NSS, ASS, CASS	Test Standards	ASTM B-117, ASTM B-268, JIS D-0201, JIS H-8502 etc.
Production Materials	PVC	Temperature Range	RT+5℃ ~ +55℃
Temperature Fluctuation	± 0.5℃	Temperature Uniformity	± 2.0℃
Humidity Test Range	≥85%RH	Salt Spray Deposition	0.5 ~ 2.0ml/80cm ² .h
Salt Spray Way	Continuation or Cycle	Controller	Digital Controller Program Touch Screen Controller - Option
Defog Function	√	Sensor	PT100
Timer	√	Power Supply	220V, 50Hz, 1-ph 380V, 50Hz, 3-ph
Relative Room Temperature	5℃ ~ 35℃	Relative Room Humidity	≤ 85% RH
Accessory	Nozzle × 3, Manual×1, NaCl×2, Shelf ×2, Measuring Cylinder ×1, Stir bar ×1		

Glass Fiber Salt Spray Corrosion Chamber



Model	Internal Size WDH	Production Material	Model	Internal Size WDH	Production Material
YWX-150BP	630×500×450mm	Glass Fiber	YWX-010BP	1300×1000×600mm	Glass Fiber
YWX-250BP	900×550×600mm		YWX-020BP	2000×1000×800mm	
YWX-750BP	1100×750×500mm				

Specifications

Test Way	SS, NSS, ASS, CASS	Test Standards	ASTM B-117, ASTM B-268, JIS D-0201, JIS H-8502 etc.
Production Materials	Glass Fiber	Temperature Range	RT+5℃ ~ +55℃
Temperature Fluctuation	± 0.5℃	Temperature Uniformity	± 2.0℃
Humidity Test Range	≥85%RH	Salt Spray Deposition	0.5 ~ 2.0ml/80cm2.h
Salt Spray Way	Continuation or Cycle	Controller	Program Touch Screen Controller
Defog Function	√	Sensor	PT100
Timer	√	Power Supply	220V, 50Hz, 1-ph 380V, 50Hz, 3-ph
Relative Room Temperature	5℃ ~ 35℃	Relative Room Humidity	≤ 85% RH
Accessory	Nozzle × 3, Manual×1, NaCl×2, Shelf ×2, Measuring Cylinder ×1, Stir bar ×1		

Rain Aging Test Chamber



Model	Internal Size WDH	Spray Ring Diameter	Model	Internal Size WDH	Spray Ring Diameter
LY-500L	800×700×900mm	375mm	LY-1000L	1000×1000×1000mm	500mm

Specifications

Test Way	IPX3, IPX4	Test Standards	JIS D-0201, H-8502, H-8610, ASTM G154, ASTM G151 etc
Internal Materials	SUS304 Stainless Steel	Water Pipe Diameter	16mm
Nozzle Diameter	0.4mm	Nozzle Spacing	50mm
Swing Pipe Range	±45° , ±60° , ±90° , ±180°	Shelf Rotation Speed	5~20r/min (adjustable)
Shelf material	PVC	Time Controller	Integrated Time Controller
Water Pressure	98 kPa	Water Pressure Controller	Flowmeter
Water supply volume	10 Liter/min	Water Supply System	Water tanker and Booster pump
Controller	PLC controller	Running mode	Fix or Program running
Sensor	PT100	Power Supply	220V/240V, 50Hz, 1-ph 380V, 50Hz, 3-ph
Relative Room Temperature	5℃ ~ 35℃	Relative Room Humidity	≤ 85% RH

Ozone Aging Test Chamber



Model	Internal Size WDH	Ozone concentration	Model	Internal Size WDH	Ozone concentration
CY-100L	450×450×500mm	0 pphm ~ 500 pphm	CY-500L	800×700×900mm	0 pphm ~ 500 pphm
CY-225L	500×600×750mm		CY-1000L	1000×1000×1000mm	

Specifications

Test Standards	ASTM B-117、ASTM B-268 B-268、GB-T2423、GJB150 etc	Internal materials	SUS304 stainless steel
Ozone concentration	0 pphm ~ 500 pphm (200 ~ 300mg/hour)	External materials	High quality cold rolled steel sheet
Read resolution	≤ ± 10%	Air flow	0 ~ 5 Liter / hour
Ozone generator	Made in UK ozone generator	Temperature Range	RT+10 ~ +60℃
Temperature fluctuation	± 0.5℃	Temperature uniformity	± 2.0℃
Heating rate	2.0~3.0℃ / min (no-load)	Observation window	Non-condensation observation window with light
Test shelf	Rotation test shelf with stainless steel materials	Rotation speed	1~ 10 rotations / min
Movement wheel	4 sets movement wheels (fixation function)	Sealing material	Silicon rubber sealing ring
Heat insulating material	PU FOAM + Glass fiber cotton	Compressor	Franch Tecumseh Compressor
Controller	PLC touch screen controller	Running mode	Fix and Program running
Sensor	PT100	Power Supply	220V/240V, 50Hz, 1-ph 380V, 50Hz, 3-ph
Relative Room Temperature	5℃ ~ 35℃	Relative Room Humidity	≤ 85% RH

Sand & Dust Aging Test Chamber



Model	Internal Size External Size WDH	Test Standards	Model	Internal Size External Size WDH	Test Standards
Dust-500L	800×700×900mm 1270×970×1800mm	Mil, IEC-60529, JIS D-0201, H-8502, H- 8610	Dust-1000L	1000×1000×1000mm 1500×1200×2050mm	Mil, IEC-60529, JIS D-0201, H-8502, H- 8610

Specifications

Dust Constituent	Silicon dioxide (97% ~ 99% Purity)	Sand Constituent	Silicon dioxide (≥95% Purity)
			Roundness factor: 0.2
			Moh's hardness: 7
Dust particle size	45um, 75um, 106um, 150um	Sand particle size	150um, 212um, 300um, 425um, 600um, 850um
Blowing Dust Concentration	2Kg/m3 ~ 4Kg /m3	Blowing Dust Concentration	2Kg/m3 ~ 4Kg /m3
	10.6±7g/m3 (8.9m/s±1.2m/s Wind Speed)		Wind speed: 2m/s
Internal Materials	SUS304 Stainless Steel	Standards	Dust scraping device on the internal window
Concentration Meter	Measurement Range: 0~15g/m3 , 400~4000 g/m3	Controller	PLC controller
Sensor	PT100	Power Supply	220V/240V, 50Hz, 1-ph 380V, 50Hz, 3-ph
Relative Room Temperature	5℃ ~ 35℃	Relative Room Humidity	≤ 85% RH

Xenon Aging Test Chamber



Model	Internal Size WDH	Cooling Way
Xe-500XL	800×800×800mm	Water Cooling Way

Specifications

Test Standards	AATCC, ASTM, GM, IEC etc.	Internal Materials	SUS304 Stainless Steel
Temperature Range	Rt+10℃ ~ +80℃	Humidity Range	65% ~ 98%RH
Temperature Fluctuation	±0.5℃	Rain Time	0 ~ 9999 minutes(Adjustable)
Temperature Uniformity	±1.0℃	Rain Period	0 ~ 240 minutes(Adjustable)
Water Lamp Quantity	1 pc	Effective Irradiation Area	6500 cm2 for water cooling chamber
Lamp Power	4.5 Kw	Irradiation Distance	250 ~ 375mm
Lamp Life	2000 hours	Test Shelf Rotation Speed	≤3r/min (adjustable)
Irradiation Wave Length	(290 ~ 800nm) 550W/m2 (adjustable)	Nozzle Water Pressure	78 ~ 127kPa
Controller	PLC controller	Running mode	Fix or Program running
Sensor	PT100	Power Supply	220V/240V, 50Hz, 1-ph 380V, 50Hz, 3-ph
Relative Room Temperature	5℃ ~ 35℃	Relative Room Humidity	≤ 85% RH

UV Aging Test Chamber



Model	Internal Size External Size WDH	UV Lamp	Model	Internal Size External Size WDH	UV Lamp
Se-177L	1140×400×390mm 1300×500×1470mm	UVA-340 UVB-313- option	Se-503L	1140×640×690mm 1300×700×1630mm	UVA-340 UVB-313- option

Specifications

Test Standards	ASTM G154, ASTM G151, JIS D-0201, H-8502, H-8610 etc.	Condensation	Yes
Internal Materials	SUS304 Stainless Steel	Irradiance Control	Yes
Lamps	UVA-340 or UVB-313 (8 pcs)	Water Spray	Yes
Internal Materials	SUS304 Stainless Steel	"Eye"	Yes
Wave Length	UVA (315 ~ 400nm) UVB (280 ~ 315nm)	Controller	PLC controller
Lamp Power	40W / Each	Center distance of lamp	70 mm
Lamp Life	≥1600 hours	Distance of specimen and lamp	50±3mm
Test Time	0 ~ 999 hours(Adjustable)	Irradiance	1.0 W/m2 (Adjustable)
Effective Radiation Area	900×290mm	Irradiance blackboard temperature	+50℃ ~ +70℃
Specimen Size	75×290mm	Specimen Shelf Quantity	24 sets
Temperature Range	Rt +10℃ ~ +70℃	Humidity Range	≥90%RH
Temperature Fluctuation	±0.5℃	Water Consumption	18 liters/ day
Temperature Uniformity	±1.0℃	Controller	PLC controller
Sensor	PT100	Power Supply	220V/240V, 50Hz, 1-ph 380V, 50Hz, 3-ph
Relative Room Temperature	5℃ ~ 35℃	Relative Room Humidity	≤ 85% RH

Water Condensate Chamber



Model	Internal Size External Size WDH	Test Standards
CW-300L	745×505×770mm 1100×675×1000mm	It can meet the VW, FORD, GM automobile standard, and reach the DIN EN ISO 6270-2(DIN 50017), DIN 50018, DIN EN ISO 6988 test requirements, for example: GMW 14729-B, GMW 14124 Cycle A, C, D, E, G, J, K, O, U, V, TL226 3.11.1.

Specifications

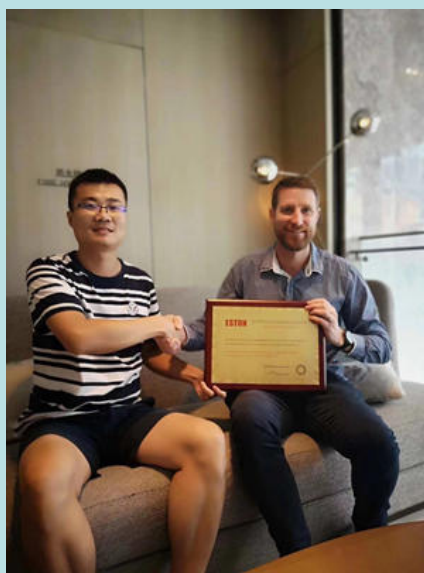
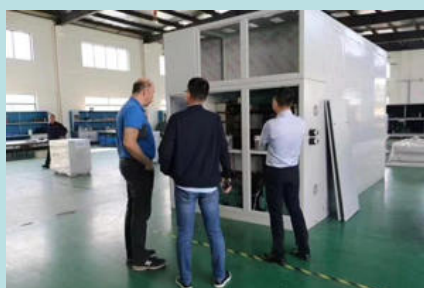
Temperature Range	+40℃ ~ +60℃	Humidity Range	100% RH
Temperature Fluctuation	±0.5℃	Humidity Fluctuation	±3%RH
Control Accuracy	±0.1℃	Controller	TH300 P.I.D controller
Max. Load Specimen Holder	15 kg/tier	Connected Load	700 W
Gross Weight	55 kg	Power Supply	220~240V, 50/60Hz, Single-phase
Total Power	2.5 kw	Fuse	6A
Relative Room Temperature	5℃ ~ 35℃	Relative Room Humidity	≤ 85% RH

PCB Hotoil Test Chamber



Model	RY-3A	Specimen Basket Size	150×300×320mm WHD
Maximum Test Board	200×290mm WL	High-Temperature Slot Size	330×455×330mm WHD
Low-Temperature Slot Size	330×450×330mm WHD	Machine Size	1430×2000×1200mm WHD
Testing Methods	GB/T4677-2002 9.2.1 IPC-TM-650 2.4.6 etc.		
Temperature Range	High-temperature bucket: RT ~ +280℃ (The dedicated #316 texture is adopted for electrical heated tube) Low-temperature bucket: RT ~ +20℃ (Adopting constant temperature of compressor system)		
Temperature Fluctuation	High-temperature slot: When tested object is immerse into the slot, the temperature fluctuation presents -5.0℃. Low-temperature slot: When tested object is immerse into the slot, the temperature fluctuation presents +5.0℃.		
Temperature Uniformity	High-temperature slot: ±5.0℃, Low-temperature slot: ±5.0℃		
Satisfying Test Standard	GB/T4677-2002 9.2.1, IPC-TM-650 2.4.6 and other standards		
Heat Retaining Maintenance Structure	Out-wall material: Special steel plate + Powder stoving varnish (1.2mm thick) In-wall material: Dedicated SUS304 stainless steel plate Thermal insulation material of high-temperature bucket: High-density nanometer resin cotton		
High-Temperature Slot Heater	Customized import nickel-chromium heater strip Control mode of heater: Contactless recurrent pulse for width adjustment, SSR(Solid-state relay)		
Trundle And Standing Leg	4 sets		
Door	Double fully-transparent tempered glass door with automatic spring cotter matched		
Door Lock	High-end galvanized lock with key rotation		
Pneumatic Device For Specimen Basket	Step-by-step moving entrance module to keep specimen basket moving smoothly and put it into oil slot accurately Left-right displacement time can be adjusted: 10~60 sec Up-down displacement time can be adjusted: 5~60 sec Immersing standing time can be adjusted: 0 ~ 999 s Testing number of cycle: 0 ~ 9999 cycles		
Oil Storage Bucket	Set in the right of maching. In the testing machine, when the oil in high-temperature and low-temperature oil slot exceeds standard liquid level, the redundant oil will be returned to oil storage bucket; when the liquid level of oil slot comes below standard liquid level, the oil slot automatically by circulating motor, to guarantee the normal operation of test.		
Relative Room Temperature	5℃ ~ 35℃	Relative Room Humidity	≤ 85% RH

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