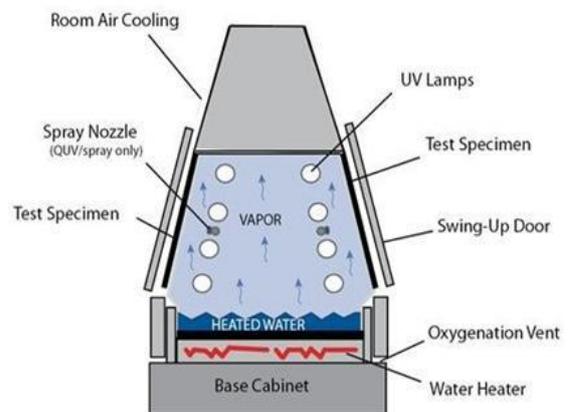


## UV Aging Test Chamber

### EQUIPMENT DETAILS



Q-test PLC controller



Chamber structure

## GENERAL SPECIFICATIONS

Packaging Dimensions: (WxDxH) 1490\*620\*1620mm

Power supply source: single-phase, 220V±10%, 50Hz (can be appointed)

Gross Weight: 180kg

## Standard Features

Item	Specification
Chamber dimension (W*D*H)	1300*500*1460mm
Chamber material	SUS#304 stainless steel
Temperature range	RT to 70°C
Temperature fluctuation	≤ ±1.0°C
Temperature uniformity	3°C
Humidity range:	≥75%RH
Controller	Programmable controller, LCD touch screen
Control mode	Balance temperature humidity control (BTHC)
Test cycle setting	Exposure, condensation and water spray test cycle is programmable
Water spray cycle	Spray 18mins in every 120mins / spray 12mins in every 60mins
Water usage	8L/day
Distance from sample to lamp	55±2mm
Centre distance between lamps	65~70mm
Irradiance range	0.45~0.90W/m <sup>2</sup>
UV lamps	Imported Atlas UV-A: 315-400nm (8pcs, 1600h lifetime)
Lamp power	40W/Piece
Specimen Size	75×290mm (24pcs) / 75x150mm (48pcs), maximum thickness 5mm
Testing time	0~999H, adjustable
Protection system	Overload short circuit protection Over temperature protection Water lacking protection Earth leakage protection Auto shut off protection

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## Applications

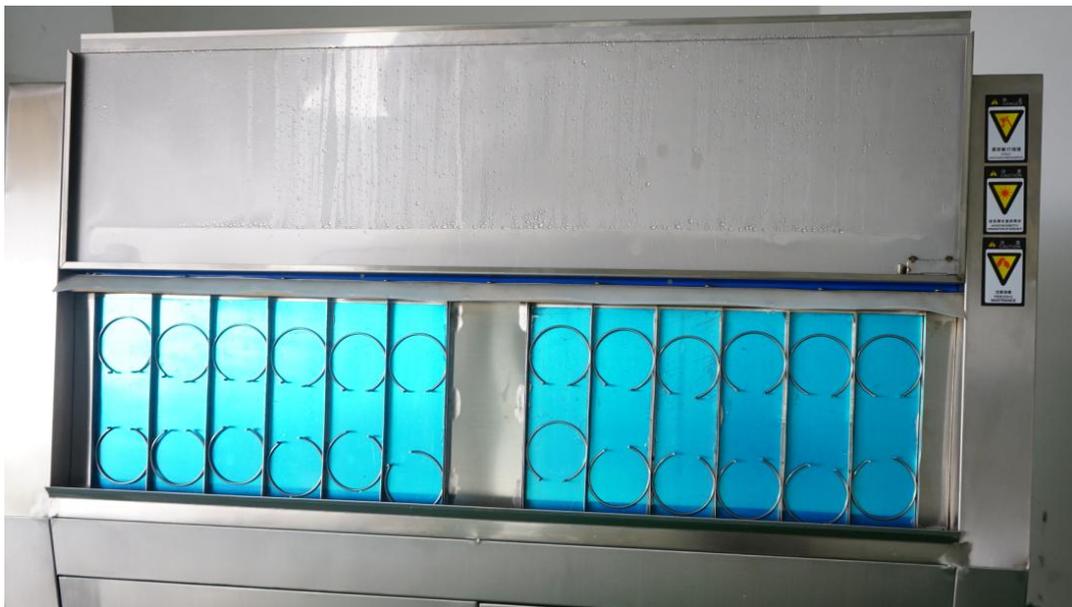
1. Simulate the sun, rain spray and condensation resulting damage to test the materials by exposure to sunlight with moisture and temperature.
2. To get the results of damage after several days or weeks which is equal to expose to outside for a few months. The damages include fading, discoloration, brightness down, powder, crack, blur, brittle, strength decreases and oxidation.
3. Provide reference with testing data for improvement of existing materials, or to assess the impact of changes in product durability and other aspects.

## Test Criteria

ISO 4892-3

ASTM G154

## EQUIPMENT IMAGE



Sample tray



**Atlas UV lamps**



**Irradiance meter**