

UV Accelerated Weathering Aging Test Chamber

Model: RC-UV2



Product Introduction:

UV accelerated weathering aging test chamber can provide reliable aging test data to make the exact prediction of products' weathering fastness (aging resistance), which is conducive to sift and optimize the formula. UV accelerated weathering aging test chamber is used in many industries, such as: paint, inks, resin, plastics, printing and packaging, adhesives, auto and motorcycle industry, cosmetics, metal, electronic, electroplating, medicine, etc.

Introduction:

UV accelerated weathering aging test chamber is the most widely used UV Weathering tester in the world, there are thousands of ultraviolet aging testers coming into use. UV accelerated weathering aging test chamber has become the standard of the UV test, fit standards of ISO, ASTM, DIN, JIS, SAE, BS, ANSI, GM, U.S.GOV'T, etc. It can simulate the damage of sunshine, rain, dew to the material quickly and exactly. Damage types including bleaching, discoloration, loss of light, powder, crack, turbidity, bubble-based, embrittlement, strength decline and oxidation need to be engendered in months or years but can engender in a few days or weeks.

Standards:

IEC61215, ASTM D4329, D499, D4587, D5208, G154, G53;
ISO 4892-3, ISO 11507; EN 534; BS 2782; JIS D0205; SAE J2020, etc.

Features:

- UV accelerated weathering aging test chamber is designed according to uses' operation, it's easy to operate, safe and reliable.
- The thickness of specimen installation is adjustable and the specimen installation is fast and convenient
- UV accelerated weathering aging test chamber door rotating up does not interfere with the operation and the tester takes a very small space only.
- UV accelerated weathering aging test chamber has unique compensating system can be contented by tap water.
- The heater is under the container rather than in the water, which is long life, easy to maintain.
- The water level controller is outside the box, easy to monitor.
- UV accelerated weathering aging test chamber has truckles, convenient to move.
- Computer programming is convenient, automatically alarming when incorrect operated or faulted.
- UV accelerated weathering aging test chamber has Chinese and English instruction book, convenient to consult.

Technical parameters:

Chamber Dimension	450*1170*500mm
Materials	Inside and Outside SUS#304 stainless steel
Temperature range	RT+10~70°C
Temperature uniformity	±2°C
Temperature fluctuation	±0.5°C
Temperature control	PID SSR control
Humidity range:	95%RH
Controller	Korean TEMI 880 programmable controller
Control mode	Balance temperature humidity control (BTHC)
Test Cycle setting	Illumination, condensation and water spray test cycle is programmable
Lamp power	40W/Piece
Distance from sample to lamp	50±2mm (adjustable)
Centre distance between the lamp	70mm
Wavelength ultraviolet light	UV-A: 315-400nm (standard); UV-B: 280-315nm for (optional) (8pcs, 2000h lifetime)
Irradiation black panel temperature	45°C~80°C
Standard Specimen Size	48* 75×150mm (special specifications can be custom-made)
Water consumption	8L per day
Testing time	0~999H, adjustable
Power	220V/50Hz /±10% 4.5KW
Protection system	Overload short circuit protection, over temperature protection, water lacking

Machine Structure:



Figure 1.1: 8pcs of UV Testing Lamp from Both Site

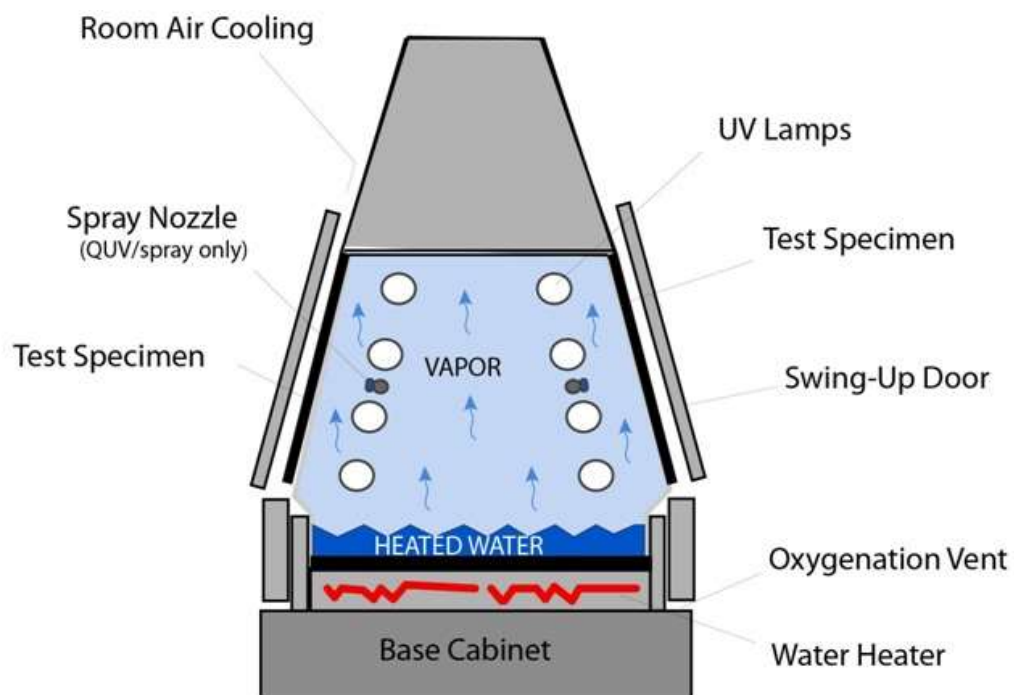


Figure 1.1: Internal Chamber Concept of Working