

SKZ219 UV Light Aging Test Chamber



Suitable for simulating ultraviolet radiation and ultraviolet irradiation of UV aging tests.

Standards:

ASTM D4329, D499, D4587, D5208, G154, G53, ISO 4892-3, ISO 11507, EN 534, prEN 1062-4, BS 2782, JIS D0205, SAE J2020

Chamber structure:

1. Chamber Enclosure Material: SUS stainless steel spray; Liner Material: SUS stainless steel
2. Chamber Cover material: SUS stainless steel spray treatment
3. The installation of UV lamp 8 UV-A or UV-B on both sides
4. Heating tank for the interior heating, warming fast, uniform temperature distribution
5. Clamshell lid is bidirectional, open and close with ease
6. Water tank level with automatic replenishment, to prevent damage to the heating pipe air burning
7. Sample holder made of stainless steel or aluminum alloy
8. The bottom of the chamber can be fixed high-quality PU wheels
9. Drainage system using back eddy type and U-plot sinks drainage
10. The sample surface with UV light plane parallel
11. Spraying equipment, interior fitted with automatic sprinklers, adjustable water pressure
12. If the lamp in the light, once the door is opened, the machine will automatically cut off the lamp power and cooling automatically in order to avoid human injury

13. Over-temperature protection, once inside temperature is too high the machine will automatically cut off the power and cooling

Control System:

1. Imported high-precision temperature and humidity control digital display microcomputer integrated controller
2. Accuracy: 0.1 °C (display range)
3. Resolution: ± 0.1 °C
4. Temperature sensor: PT100 platinum resistance thermometer
5. Control: thermal equilibrium humidity thermostat
6. Temperature and humidity control using P. I. D + S.S.R system

Technical Parameters

Size of working room: 450 × 1170 × 500 mm

External dimensions: 580 × 1280 × 1450 mm

Temperature range: RT +10 °C ~ 70 °C

Humidity range: 90 ~ 98% R • H

Humidity Uniformity: ± 2%

Temperature uniformity: ± 2 °C

Temperature fluctuation: ± 0.5 °C

Humidity fluctuation: ± 2%

Standard specimen size: 75 × 150 mm or 75 × 300 mm

Sink depth requirements: 25 mm, automatic control

Effective irradiation area: 900 × 210 mm

UV wavelength: UV-A wavelength range 315-400nm, UV-B wavelength range 280-315nm

Test time: 0 ~ 999H adjustable

Blackboard Temperature: 40 °C ~ 65 °C