

## Water Cooled UV Xenon Arc Wethering Testing Chamber



### Product introduction

Xenon arc lamp test chamber is a comprehensive climate testing machine, it can do climatic aging test, and also can do fading acceleration test under color effect or color changed. The test range including: dying and finishing, printing, leather, plastic, plyglass, painting, textile, printing ink, rubber and also the industry relative color. Light fastness and fade grade can be known in short time. Those materials exposed at simulated sunlight to evaluated the material's light fastness performance. To simulate and strengthen the test according to light energy, temperature, rain fall or condensation, humidity, .etc these main climate factors. Adopt simulated sunlight spectrum's Xenon arc light to create destructive waves under different environment. It can be used for choosing new materials, improving existing materials, or assessment of durability change after material composed.

Xenon lamp weathering tester tests the products undergone illumination, rain, condensation, temperature, humidity, wind and any other climatic changes. This tester is mainly for the test of non-ferrous/organic/rubber/plastic and building materials.

### Parameters

Dimensions of the working chamber*mm)	800× 800×800mm(W×D×H)
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Temperature Range	RT℃~80℃
Humidity Range·Humidity range	light cycle 50% ~ 98% R.H, dark cycle 30% to 98%
Blackboard Temperature·Blackboard temperature	63±3℃ (deviation ± 3 ° C)
Temperature fluctuation	≤0.5 ℃
Temperature uniformity	≤2.0 ℃
Humidity fluctuation	+ 2% ~ -3% R.H.
Glass window filter	borosilicate glass
Xenon light source	water cold xenon arc light source
Water cold xenon lamp power	6KW, xenon lamp power: 6KW × 1 = 6KW
Water cold Xenon lamp power·1pcs Water pressure	138 ~ 344Kpa (20 ~ 50psi); Flow: minimum 0.6L / min. Xenon lamp cooling, spraying, humidification use of water: the requirements of the national analysis laboratory secondary water quality, water, solid impurities less than 1mg / L. Test chamber drain at the bottom of the box at the bottom of the rear. The ambient temperature of 23 ± 2 ℃, relative humidity of <80%, not in a corrosive, toxic and harmful environment to install and use. Heater:Stainless steel 316L fin cooling tube electric heater