



Large walk-in Environmental Chamber

The walk-in VOC emission detection environmental test chamber is to restore the parameters such as temperature, humidity, ventilation times, and air flow rate on the surface of the sample through artificial simulation, and test the actual situation through the test methods and verification methods specified in the standard. The VOC release amount of the sample in the application is analyzed to determine whether it meets the corresponding environmental protection evaluation standards, and the release amount of volatile toxic and harmful (VOC) substances contained in the sample material and the impact of its release characteristics on the environment can be measured.

Features

The climate chamber is started with one key and runs fully automatically. The temperature and relative humidity control adopts PLC as the core control unit, which has high reliability and strong anti-interference, and realizes the intelligent control of temperature and humidity. The temperature of the climate chamber is kept at a constant temperature of 23°C and a relative humidity of 50%.

XD-5VOC-AHF



Technical Specification

Name	Large walk-in VOC environmental cabin
Type	XD-(5-30)VOC-AHF
Environmental cabin volume	5-30m ³ (size can be customized according to user's requirements)
Temperature adjustable range	20℃～65℃
Humidity adjustable range	30~80%RH (20-30℃)
Temperature fluctuation	≤±0.5℃;
Temperature deviation	≤0.5℃
Humidity fluctuation	≤±3%RH
Humidity deviation	≤±3%RH
Air replacement rate	1～3 times/hour (adjustable)
Cabin pressure	10±5Pa
Airtightness	At 1kPa (gauge pressure), the cabin air leakage rate VL is less than or equal to 0.5 %× cabin capacity /min, or the cabin air leakage rate VL is less than or equal to 5 %× air supply rate VS.
Stable Schedule	Temperature stabilization time is less than 40min, humidity stabilization time is less than 60min, Equipment can run continuously for not less than 30 days;
Background concentration	When there is no load, the formaldehyde background concentration is ≤ 0.006 mg/m ³ ; TVOC background concentration ≤0.02mg/m ³ , and monomer VOC background concentration ≤ 0.002mg/m ³ .
Noise	≤60db (A sound level)