



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-5RVOC-AHF



Technical Specification

Name	5 cubic Large walk-in Environmental Chamber
Type	XD-5RVOC-AHF
Studio size	Inner box size $5 \pm 0.02 \text{ m}^3$; W1600mm*L1600mm*H2000mm
Dimensions	H2280mm*D2700mm*W1800mm
Temperature	$20^{\circ}\text{C} \sim 65^{\circ}\text{C}$
Humidity	30%~75%RH (at $+20 \sim +60^{\circ}\text{C}$)
Meter resolution	Temperature: 0.1°C ; Humidity: 0.1%RH
Temperature Fluctuation	$\pm 0.2^{\circ}\text{C}$
Temperature Uniformity	$\leq 1.5^{\circ}\text{C}$
Humidity Fluctuation	$\leq \pm 1.5\% \text{RH}$
Air replacement rate	1~3 times/hour (adjustable)
Flowmeter Accuracy	Digital flowmeter, accuracy class 0.5 ; 4-40m ³ /L
Air Tightness	<ul style="list-style-type: none">● When the overpressure is 1000pa, the leakage is less than $10^{-3} \times 1\text{m}^3/\text{min}$;● The constant pressure in the cabin is $10\text{pa} \pm 5\text{pa}$;● The gas flow difference between inlet and outlet gas is less than 1%;● Air pressure monitoring in the box, analog digital micro pressure sensor, touch screen online pressure display box in the box;
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 Indicator	TVOC $\leq 0.02 \text{ mg/m}^3$
Noise	$\leq 60\text{dB}$ (A sound level), there will be no resonance sound on the box door and the equipment door

XD-5KQ-HT02



Technical Specification

Name	5 cubic air high temperature purification device	
Type	XD-5KQ-HT02	
Air Flow	>15m³/h	
Air Supply Pressure	0.1~0.24bar	
Supply Air Temperature	RT	
Formaldehyde Mass Concentration	≤±0.001mg/m³	
VOC Concentration	TVOC≤0.01mg/m³, VOC≤0.001mg/m³	
Noise	≤60db	
Meet Test Standards	GB18580-2017	GB17657-2022
	GB50325-2006	LY/T1612-2004