

Sand & Dust Climate Test Chamber



Introduction

This type is used for doing the destructive test of specimens in sand & dust environments.

It can test the leakproofness of shell.

It can meet the test requirements of IP5X and IP6X standards.

Using Areas

- | | |
|------------------------|-------------------------|
| ➤ Science laboratory | ➤ Universities |
| ➤ Medical institutions | ➤ Research institutions |
| ➤ Military fields | ➤ Others |

The advantages of TCT Sand & Dust Climate Test Chamber

- The air duct system is produced with stainless steel materials, the performance is better
- The dust distributes evenly, the test effect is better
- PLC touch screen controller, easy to operate
- 1 year warranty period for machine + 3 years free providing for spare parts

Production Standards

- GB7000.1 GB/T2423 GBT16422.3、GBT14522、GBT5170.9、GB16776.
- JIS D-0201、H-8502、H-8610、K-5400、Z-2371、ISO3768、3769、3770
- MIL

Common Specifications

Internal Materials	SUS304 Stainless Steel
Temperature Range	Rt+10℃ ~ +100℃
Humidity Range	≤30%RH

Dust Constituent	Silicon dioxide (97% ~ 99% Purity)	
Dust particle size	45um, 75um, 106um, 150um	
Blowing Dust Concentration	$50 \pm 5 \text{ g/m}^3 \sim 4000 \pm 400 \text{ g/m}^3$	
	$10.6 \pm 7 \text{ g/m}^3$ (8.9m/s \pm 1.2m/s Wind Speed)	
Sand Constituent	Silicon dioxide ($\geq 95\%$ Purity)	
	Roundness factor: 0.2	
	Moh's hardness: 7	
Sand particle size	150um, 212um, 300um, 425um, 600um, 850um	
Blowing Dust Concentration	0.177g/m ³ 、 $1.1 \pm 0.25 \text{ g/m}^3$ 、 $2.2 \pm 0.5 \text{ g/m}^3$	
	Wind speed: 18~30m/s	
Standards	Dust scraping device on the internal window	
Concentration Meter	Measurement Range: 0~15g/m ³ and 400~4000 g/m ³	
Control system	Controller	PLC controller
	Running mode	Fix or Program running
	Sensor	PT100
Safety function	Over-temperature protection	
	Electric leakage protection	
	Power phase protection	
	Over-current protection	
	Fuse protection	
	Water shortage protection	
	Ground protection	
Using environment	Temperature	$\leq +30^\circ\text{C}$
	Humidity	$\leq 85\% \text{ RH}$
	Atmosphere	86 ~ 106 kPa
Noise	$\leq 65 \text{ dB}$	
Water source standard	Purified water	
Power supply standard	120V/220V/240V/380V/415V, 50Hz/60Hz, Single or three phases	

 Standard Model		
Model	Working Room Size (D×W×H)	External Size (D×W×H)
Dust-500L	800×800×800mm (512 Liters)	1270×970×1800mm
Dust-800L	800×1000×1000mm (800 Liters)	1270×1200×2050mm
Dust-1000L	1000×1000×1000mm (1000 Liters)	1500×1200×2050mm
Dust-1500L	1000×1500×1000mm (1500 Liters)	1500×1700×2050mm
If you have the more requirements, please contact us!		