
Dust Test Chamber - IP5X/6X

PRODUCT DETAIL



GENERAL SPECIFICATIONS

Packaging Dimensions: (WxDxH) 1500*1200*1900mm

Power supply source: 3-phase, AC380V±10%,50Hz (can be appointed)

Gross Weight: 400kg

Standard Features

Item	Specification
Internal dimension	800W*800D*800Hmm
External dimension	1300W*1000D*1700Hmm
Test sample	Size W20cm- L30cm-D15cm, weight 0.5kg
Chamber material	SUS304 Stainless steel
Specifications of square mesh sieve	Mesh hole 75um, mesh metal wire diameter 50um
Talcum powder amount	2kg/ m ³
Airflow speed	No more than 2m/s
Door	Left open door with tempered glass door
Controller	PLC Touch Screen controller, programmable to set as below cycle: a. Blowing dust time (Stop/Blow) m/s b. Cycle time: can be adjusted c. Pre-set test time: 0s ~99m99s
Vacuum system	Pressure gauge, air filter, Pressure regulating FRL, connecting pipe, Vacuum pump
Vacuum pump capacity	60-600 L/H
Fan	Centrifugal fan
Safety protection devices	Meter over-temperature function, Phase shortage protection, Power short-circuit protection

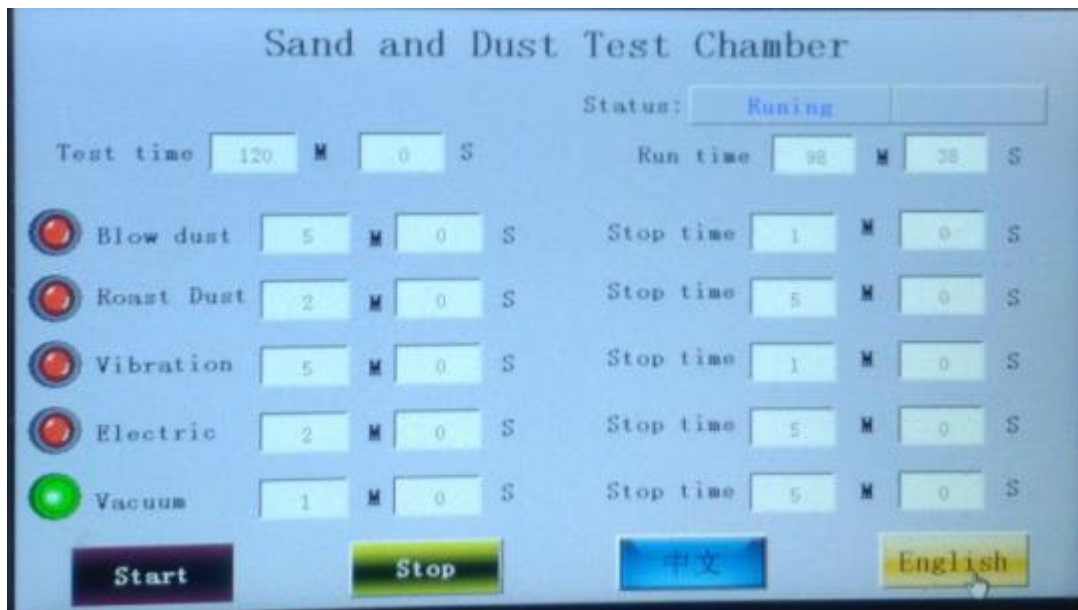
Chamber Design Features

- 1, Chamber material: SUS#304 stainless steel;
- 2, Transparent window is convenient to observe specimen during testing;
- 3, Blow fan adopts stainless steel shell, high sealing and wing speed, low noise;
- 4, Inside the shell is the funnel type, vibration cycle can be adjusted, dust free float in the sky falling to blowing the hole together.

DETAIL IMAGE



Control panel



PLC operation interface



Internal chamber with sample tray & Hopper for dust collection

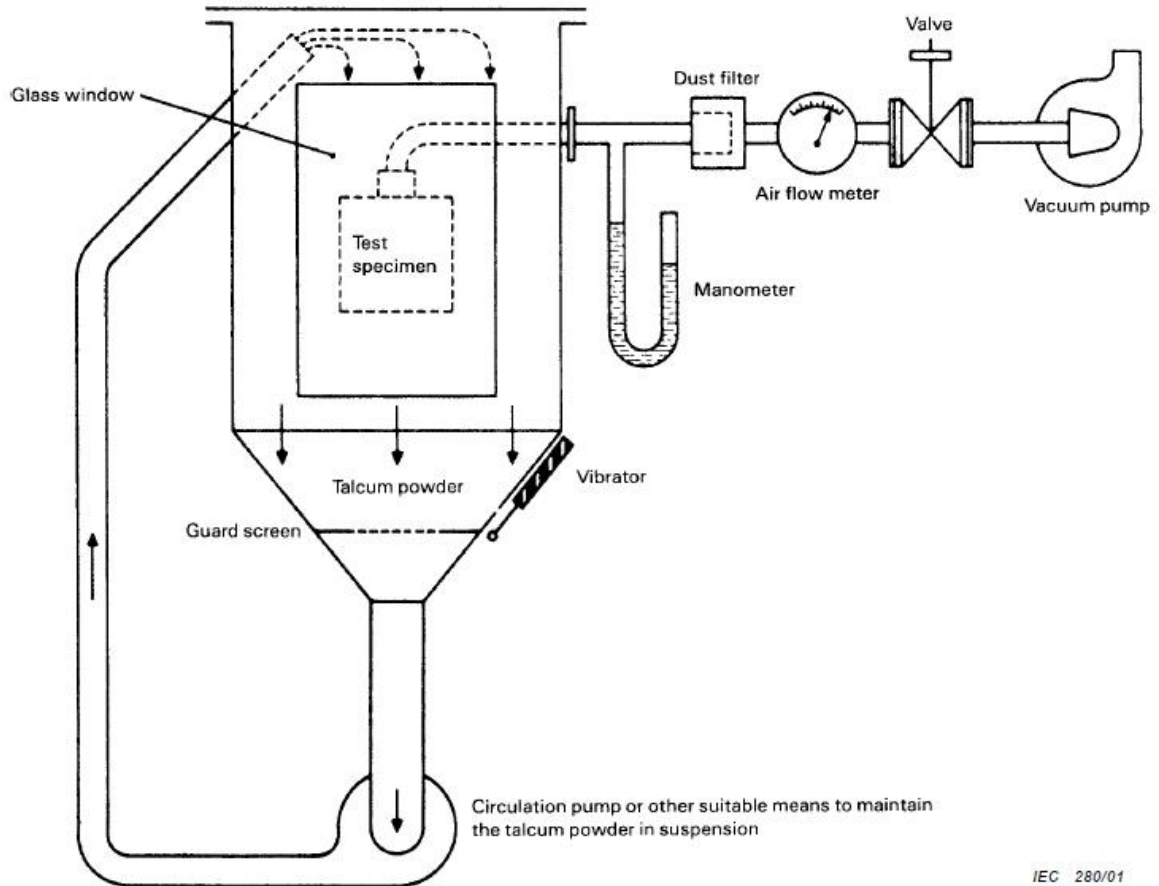


**Anti-dust socket for sample
connect to power source**



**Mesh and parts for
filtering test dust**

DESIGN DRAWING AS PER IEC60529



IEC 280/01

NOTE See IEC 60068-2-68, figure 2 valid for La2 only.

Figure 2 – Test device to verify protection against dust (dust chamber)