

Fire Testing Equipment Full Facemasks Heat Radiation Tester



Application

Respiratory protective devices Full facemasks equipments testing is suitable for testing the radiation resistance of the comprehensive cover in EN136 standard. Its purpose is to detect whether the mask will cause protection failure after being exposed to the standard heat radiation source after the standard test time.

Performance characteristics

1. Equipped with electric heating tube heating device, the main heater power is 4000W, the auxiliary heater power is 2000 W, which is regulated by two PID temperature controllers.
2. Stainless steel reflector used to enhance the thermal radiation performance applied on the mask;
3. Metal head mould device, which can wear face mask and breathe freely;

4. The sliding track of the metal head mould can move its horizontal position and adjust the distance from the mask to the radiator.
5. Equipped with a water-cooled heat flow meter for measuring the heat radiation flux at the standard distance;
6. Equipped with artificial lung breathing device, breathing is a sinusoidal output mode, which truly simulates human breathing.
7. PLC control mode, breathing frequency and breathing volume can be set freely.
8. Micro-differential pressure sensor device, which can automatically detect the failure of the mask in the process of testing.

Application:safety protection

Standard: CSN EN 136:1998 GB/T 16556:2007

Size:1240(W)X700mm(D)X1,600(H)mm

Weight :152KG

Installation requirements

Electrical requirements: 220V, 30A