

換氣式老化試驗機(Geer's Aging Oven Tester)

本機專門針對橡膠、塑料及各種絕緣材料之熱老化性做測試,換氣式老化試驗機與一般烘箱之區別在於強制性達到箱內空氣的置換,並達到一定的次數。不同規範中對換氣量有不同的界定。

This tester is specialized in the aging test of rubber, plastic and various isolation materials. Differed with the general oven, Ventilation Aging Tester can realize the compulsory interchange of air inside the box with several times. Different rules have different regulations on the ventilation volume;

特點Features:

1. 採多翼離心水平擴散送風循環系統。
2. 採用PID數字設定溫控器, SCR電流調整控制。
3. 連動式安全保護回路, 並故障指示燈。
4. 數字顯示瓦時功率計。
5. 內箱SUS#304 1mm耐蝕不銹鋼板。
6. 外箱 2660錐型粉體塗裝。
7. 進口隱藏式門把。
8. 進口精密換氣調節裝置。
9. 0 ~ 200 Times/Hr 可調節換氣量。
10. 依據測試標準: JIS-K 7212 K 6723 K6301; ASTM-D2436 D573; UL-746B; IEC-540; BS-6746 903 ISO/DIS 4577

1. Multi-plane centrifugal horizon diffusion blow circulation system;
2. PID digital setting temperature controller, regulated by SCR current;
3. Coupled safety protection circuit, with failure indicating lamp;
4. The digital display is calculated with watt-hour power efficiency;
5. Inner box is made of SUS#304 1mm corrosion-resistant stainless steel plate;
6. Outer box is coated with 2660 tapered powder;
7. Imported hidden door handle;
8. Imported fine ventilation adjustor;
9. The ventilation volume can be adjusted between 0 ~ 200 Times/Hr.
10. Conform to testing norms: JIS-K 7212 K 6723 K6301; ASTM-D2436 D573; UL-746B; IEC-540; BS-6746 903 ISO/DIS 4577



$$\text{換氣量計算公式: } N = \frac{(X-Y) 3590}{V \cdot D \cdot \Delta T}$$

N: 每小時換氣量 Number of change of air per hour.
 X: 換氣耗電量(W) Power consumption during air change
 Y: 無換氣時耗電量(W) Power consumption during no air change
 V: 箱內容積(cm³) total volume of oven
 D: 箱內空氣比重 (g/cm³) Density of oven ambient air
 T: 箱內外溫度差 (°C) Temperature difference inside/outside oven

Model	CH-2436-1	CH-2436-2
Inside dimensions(W×H×D)cm	45×50×45	50×60×50
Outside dimensions(W×H×D)cm	115×140×80	130×150×95
Temp range	RT+10°C ~ 200°C (300°C)	
Temp constancy	±0.5°C	
Temp uniformity	(200°C)±2°C	
Indication resolution	0.1°C	
Material	Exterior	SUS#304 Stainless Steel Plate
	Interior	SECC Steel Plate + 2660 3B Surface treatment
	Insulation	Fiberglass wool + Ceramic fiber + Rock wool
Controller	PID Electronic Digital Control + S. C. R	
Airchange rate	0 ~ 200, 3 ~ 250 Times/Hr	
Power source (K.W)	7	10
Option	YOKOGAWA SR10006 6 POINT RECORDER	