

VENTILATION TYPE AGING TEST CHAMBER

换气式老化试验箱 HD-E701



技术参数 Technical Parameters

型号Model	HD-E701
测试空间 Testing Space	45 × 50 × 45cm 45 × 50 × 45cm
使用温度 Temperature	RT~200℃, 分辨率0.1℃, 控制精度0.5℃ RT~200℃, 0.1℃, Accuracy: 0.5℃
换气量 Rotation	0~10及10~200回/小时(择一) 0~10 or 10~200 time/h
换气量调整 Ventilation Adjusted	自动微调式(温度固定时之消耗电力以瓦特/小时计及数字 TIMER来计算炉体之换气量 Auto-tuning Type
换气系统 Ventilation System	采用电压调节换气马达的功率, 改变换气量的大小, 调节十分方便 Using Voltage Regulator To Change The Volume Of Air, Convenient To Adjust
内置循环风系统 Built-in Circulating Air System	以确保温度均匀度: 1% (以最高温度计算) Ensure The Temperature Uniformly: 1% (count At The Highest Temperature)
使用材质 Material	内箱/外箱材质采用304不锈钢板 Stainless Steel 304
保护装置 Protector	超高温断路器 Over-temperature Breaker
控制系统 Control System	1.TCM控制系统可使加热量等于热损失量; TCM Control System Can Make The Amount Of Increase Heat Is Equal To Heat Of Lost
具P.I.D自动演算功能, 温控精度高 With P.I.D Automatic Calculation Function, Precision Temperature Control	
传感器 Sensor	高精度PT100热电偶, 能确保温度波动度在0.5%以内 (以最高温度计算) High-accuracy PT100 Thermocouple, Temperature Fluctuation 0.5%(Count At The Highest Temperature)
内箱尺寸 Inside Size	50cm (长) × 40 cm (深) × 50 cm (高) 50cm (L) × 40 cm (D) × 50 cm (H)
外箱尺寸 Outside Size	120cm (长) × 65 cm (深) × 134 cm (高) 120cm (L) × 65 cm (D) × 134 cm (H)
内箱材质 Inner Chamber Material	304不锈钢, 外箱: 烤漆 Stainless Steel 304
保温材质 Insulation	80mm厚高密度岩棉 80mm Rock Wool
加热器 Heater	螺旋式加热器一套 1 Set Solenoid Type Heater
箱体为五层结构 Enclosure For Five Layer Structure	外层静电烤漆钢板, 二层隔热高密度岩棉, 三层为耐高温电解板, 四层空气换气层以及发热管层, 五层为不锈钢板。 Outer Electrostatic Paint Steel Plate, Insulation High-density Rock Wool The Second Floor, Three Layer For The High-temperature Electrolysis Board, four Layer Air Ventilation And Heat Pipe Layer, Five Layer For The Stainless Steel Plate.
换气量之得出: 采用日本JIS7212标准之公式得出 Count The Volume Of Air: Formula For Japan JIS7212	$N = 3590 (X - Y)$ $N = 3590(X - Y)$
$V \times D \times \Delta T$	
N: 相当于1小时之空气交换次数。	
X: 换气中之消耗电量WH。 X: The Consumption Of Electricity In Ventilation WH	
Y: 无换气中之消耗电量WH。 Y: The Consumption Of Electricity In No Ventilation WH	
V: 老化炉内部全部容积 (cm³) V: Volume (cm³)	
D: 老化炉周围空气之密度 (g/cm³) D: Density Of Air (g/cm³)	
ΔT : 老化炉内外之温度差。 ΔT : Temperature Contrast Between Inside And Outside	

仪器简介 Product Introduction

换气式老化试验箱适用于电线类、皮类、塑料类、橡胶类、布类、受热前和受热后变化特性, 针对电线类在受热时为维持箱内新鲜的空气, 故特制换气量的调节。本试验机具备精密设计之空气置换调整装置及数字式电压计、电流计、瓦时计、定时器, 可作为空气置换率之测定。水平式强制送风循环系统及内部两侧之气流调整版, 确保试验机内部温度均匀稳定。

Ventilation-type Aging Testing Chamber Used To Test The Material Characteristic For Wire Type, Skin Type, Plastic, Rubber, Cloth, Equipped With A Special Ventilation Regulator For Maintain The Fresh Air Inside When Heating. This Testing Machine Design With Sophisticated Air-displacement Adjustment Device And A Digital Voltage Meter, Current Meter, Watt-hours, The Timer Can Be Used To Measure The Air Replacement Rate. Horizontal Circulatory Air Supply System And Both Sides Of Airflow Regulator To Ensure The Internal Temperature Uniformity And Stability.

满足标准 Test Standard

符合美国材料和试验协会标准“电气绝缘用强迫通风实验室烘箱”ASTM D5423-9 (R2005) (II型烘箱) 和ASTMD 5374-93(2005) UL-1581、GB、VDE、JIS、IEC等试验要求。

Accord With ASTM D5423-9(R2005) (II-Type oven) And ASTMD 5374-93(2005) UL-1581、GB、VDE、JIS、IEC.