

Ozone Aging Test Chamber

臭氧老化试验箱 TOLSeries



Product Introduction

Ozone Aging Test Chamber tests aging cracking of non-metal materials and organic materials (e.g. rubber, coating, plastic). Ozone is the killer of rubber cracking. Ozone aging test chamber simulates and strengthens the ozone content in the atmosphere, it can quickly evaluate rubber products performance against ozone aging to extend rubber products lifespan.

Technical Parameters

Model	TOL-100	TOL-250	TOL-500	TOL-010
Interior Dimension (W*D*H)mm	450×450×500	600×500×750	800×700×900	1000×1000×1000
Exterior Dimension (W*D*H)mm	870×1050×1560	1020×1120×1810	1250×1320×1950	1450×1600×2080
Temperature Range	0°C ~ 60 °C			
Humidity Range	50%-93%RH			
Temperature Fluctuation	±0.5°C			
Temperature Uniformity	≤2°C			
Cooling Rate	Ambient temperature to 0°C within 50 min(nonlinear)			
Ozone Concentration	0~500PPHm,0~500PPm,0~1000PPm			
Test Apparatus	Dynamic or Static (Alternative)			
Specimen Holder Rotation	1r/min,360°C			
Air Flow Speed	12~16mm/S			
Specimen Holder Tensile Rate	5%-80%			
Specimen Holder Tensile Frequency	0.5-2 HZ			
Ozone Analysis Meter	Imported analysis meter,4-20mA output,RS232 communication port			
Heater	U type NiCr heater			
Ozone Generator	Imported silent discharge tube			
Refrigeration System	France "TECUMSEH" hermetic compressor			
Safety Protection	Leakage, short circuit, over-temperature, motor overheat, over-current protection			
Power Supply	AC380V±10%·50HZ/60HZ			

·Permissible environmental condition: temperature (18 to 30°C) and relative humidity > 85% RH.

·All data are under ambient temperature 20°C, unload.