



Xi'-An LIB environmental simulation industry



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Aging test chamber

Used for rubber products such as vulcanized rubber, thermoplastic rubber, cable insulation jacket and other products. Under a static stretching or dynamic continuous tensile deformation, or alternating intermittent dynamic stretching and static stretching deformation, exposed to confined dark chamber with constant concentration of ozone in the air and constant temperature, test the samples according to schedule, from the degree of change of cracks occurred on sample surface or other properties, to assess the ozone-resistant aging properties of rubber. Apply to school, factory, military, research, and so on.

Model	Internal Dimension (cm)	External Dimension (cm)
A-100	45*45*50	115*90*165
A-225	50*60*75	120*110*190
A-500	70*80*90	135*128*220
A-800	80*100*100	145*148*230
A-1000	100*100*100	165*148*230
A-1300	100*100*130	165*148*260
Temperature range	0°C~60°C	
Temperature fluctuation:	± 0.5°C	
Temperature deviation:	≤±2°C	
Humidity range:	≤65% R.H	
Temperature uniformity:	+2% -3% R.H	
Speed rate for cooling:	Ambient temperature ~ 0°C within 20 min.	
Timing range:	0~999 hours	
Ozone concentration:	0~10000PPHM	
Air flow speed:	12-16mm/S	
Sample holder rotate speed:	1 r/min (adjustable)	
Clamps tensile stretch :	5%~35%	
Max. ozone concentration:	120gO3/m³	
Ozone output (oxygen input,	3.5gO3/h	
Power & voltage:	AC / 380V	

Structure characteristics

1. Equipment structure takes up stainless steel plate plus (41090) power for hull painting. It not only has good profile, but also has fine corrosion resistance.
2. It utilizes imported closed-type compressor unit imported from Europe and USA, which has solid and durable structure and is enduring and can greatly enhance service property and life of the equipment; it takes up advanced energy-saving design, which can save electric power by 30%, save water by 20%, and it uses HFC refrigerant that will not harm human body and nature, you can conduct test in safe way;
3. It has advanced and innovative control theory, it integrates three control systems of PLC, HMI and SOC in fine way. Control is correct by 100%, and you can experience the novel control feeling;
4. It utilizes Fuji touch-control colored screen as operating interface of TEMI and most powerful and reliable PLC and special modules in the industry circle. 50 programs and 2500 steps are provided for user to make setting/storage and running;
5. It utilizes protection module for safe voltage, the withstand voltage can reach 500V. After energizing the equipment, the equipment will not be burned and it can protect the equipment by 100%.
6. It takes up high-sense Fast AIT monitoring and refrigerating system imported and achieves effective control and management for refrigerant volume;
7. It utilizes the advanced USB storage device in the industry. It is the only one for using the USB interface for storing data. It has not only large storage capacity and fast transmission rate, but also is portable, has great supporting property and is convenient.;
8. It can separately raise temperature, reduce temperature, humidify and dehumidify, it utilizes unique BTHC flat constant temperature and humidity regulating mode;
9. The radio tele-monitoring system takes up IPC/SCADA architecture LAN network interface, it can connect to more than 200 equipments at the same time, and it can avoid the complex wiring and eliminate the regional limit;
10. It has unique air supply and circulating system, which can avoid dead angle of air flow in the chamber and improve the uniformity degree of product temperature and humidity.



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