

23. Altitude Chamber (Hot/cold Temperature)



Other Climate & Environmental Test Chambers

Application:

Altitude test chamber is mainly used to test the environmental adaptability and reliability of test sample under single or simultaneous action of low pressure, high temperature and altitude. At the same time, the electrical performance parameters of the test samples are measured. Especially for military applications, Temperature altitude test chambers are often used to test vehicles in high mountain conditions and to test computers, electronic components and packaging that may require air transportation.

Specifications

Model	MVT-100	MVT-500	MVT-1000
Interior Dimension(cm)	50*50H*40	800*800H*800	100*100H*100
Volume	100L	512L	1000L
Pressure Range	ATM~ 0.5KPa		
Pressure Deviation	$\leq \pm 2\text{KPa}(\geq 40\text{KPa}), \leq \pm 5\%(2 \sim 40\text{KPa}), \leq \pm 0.1\text{KPa}(\leq 2\text{KPa})$		
Pressure Rise Recovery Rate	$\leq 10\text{KPa/m}$		
Pressure Drop Rate	ATM~ 0.5KPa $\leq 30\text{m}$		
Temperature Range	$-70\text{ }^\circ\text{C} / -40\text{ }^\circ\text{C} / -20\text{ }^\circ\text{C} \sim +160\text{ }^\circ\text{C}$		
Temp Change Rate	$0.7 \sim 1\text{ }^\circ\text{C/m}$ (adjustable)		
Temp Fluctuation	$\leq \pm 0.5\text{ }^\circ\text{C}(\text{ATM})$		
Temp Deviation	$\leq \pm 2.0\text{ }^\circ\text{C}(\text{ATM})$		
Temp Uniformity	$\pm 2.0\text{ }^\circ\text{C}(\text{ATM})$		
Standard Documentations	quality certification, test report ,user operation manual for machine & controller		