

Fast Temperature Change Rate Chamber

快速温变试验箱 TFGDW Series



Product Introduction

Fast Temperature Change Rate Chamber dedicates to test products performance by simulating rapid temperature change, the purpose is to screen unqualified products caused by defective design, manufacturing or wrong artwork in early stage, to improve products quality, minimize repair rate, Fast Temperature Change Chamber is an effective solution for environmental stress screening.

Technical Parameters

Model	TFGDW-50	TFGDW-100	TFGDW-150	TFGDW-225
Interior Dimension (W*D*H)mm	350×320×450	450×400×550	500×500×600	600×500×750
Exterior Dimension (W*D*H)mm	800×800×1570	900×880×1670	950×940×1720	10050×1000×1870
Model	TFGDW-408	TFGDW-500	TFGDW-800	TFGDW-010
Interior Dimension (W*D*H)mm	800×600×550	700×800×900	800×1000×1000	1000×1000×1000
Exterior Dimension (W*D*H)mm	1250×1100×2020	1250×1200×2020	1500×1485×2180	1520×1500×2360
Interior Material	Stainless steel/SUS304			
Exterior Material	Double side steel with painting			
Controller	7" Japan original imported UNIQUE(UMC) touch screen controller			
Temp. Range	-70°C ~ 150°C (alternating temperature range -55°C ~ +85°C)			
Temp. Change Rate	5°C/min or 10°C/min or customized			
Temp. Uniformity	±2°C			
Temp. Fluctuation	±0.5°C			
Insulation	Rapid polyurethane foam and glass wool			
Heating System	NiCr alloy heater, independent system			
Refrigeration System	Cascade refrigeration system, Germany imported "Bock" compressor			
Accessories	Two shelves, lead hole 1(optional), recorder(optional)			
Protection	Overload protection: compressor over-pressure, overheating, over-current protection, over-temperature protection, phase sequence protection, oil pressure protection, low voltage protection			
Power Supply	AC220V/380V±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.