

Benchtop Temperature Test Chamber

台式高低温试验箱

Product Introduction

Benchtop Temperature Test Chamber simulates high low temperature cycling environment in order to test new materials/products performance in early R&D stage, benchtop is especially designed for laboratories with limited space.



Feature

- Working chamber made by anti-corrosion SUS#304 stainless steel, Exterior chamber made by cold rolled steel plate, sprayed by Germany Wagner automatic coating line.
- Programmable LCD touch screen controller.
- Original imported France "Tecumseh" compressor.
- Uniform air circulation inside working chamber by low noise blower.
- Reinforced silicone rubber door sealing, which avoids aging and hardening under extreme climate condition.
- 25mm diameter test hole locates at left side of chamber.
- Transparent viewing window made by reinforced tempered glass.

Technical Parameters

Model	TGDW-12	TGDW-22	TGDW-36
Interior Dimension(W*D*H)	310×205×200 mm	300×250×300 mm	400×300×300 mm
Exterior Dimension(W*D*H)	450×500×610 mm	700×440×700 mm	760×550×900 mm
Temperature Range	Model A: -20°C~+130°C Model B: -40°C~+130°C		
Temperature Fluctuation	≤±0.5°C		
Temperature Bias	≤1.0°C		
Temperature Uniformity	≤1.5°C		
Heating Rate	+25°C~+130°C≤50 minutes (unload)		
Cooling Rate	+25°C~-40°C≤45 minutes (unload)		
Interior Material	Anti-corrosion SUS#304 mirror stainless steel		
Exterior Material	Reinforced A3 steel plate with electrostatic spraying		
Insulation	uperfine fiberglass wool / polyurethane foam		
Control	LCD Programmable touch screen controller		
Circulation System	Low-noise, high temperature resistant motors, single cycle, long axis and stainless steel multi-leaf type centrifuge fan		
Heating System	NiCr heater, independent system		
Refrigeration System	France "TECUMSEH" Hermetic Refrigeration Compressors ,air cooling, refrigerant R404A/R23		
Protection Devices	Leakage and outage protection, compressor over-pressure, overheat, over-current protection, overload fusing protection, audio signal alarm, water shortage alarm		
Power Supply	AC220V·50HZ/60HZ		
Ambient Temperature	+5°C~40°C		

All technical data are measured under ambient 20 °C,50%RH,unload.