

Report Portable ULT Freezer






-45°C

-60°C

-86°C



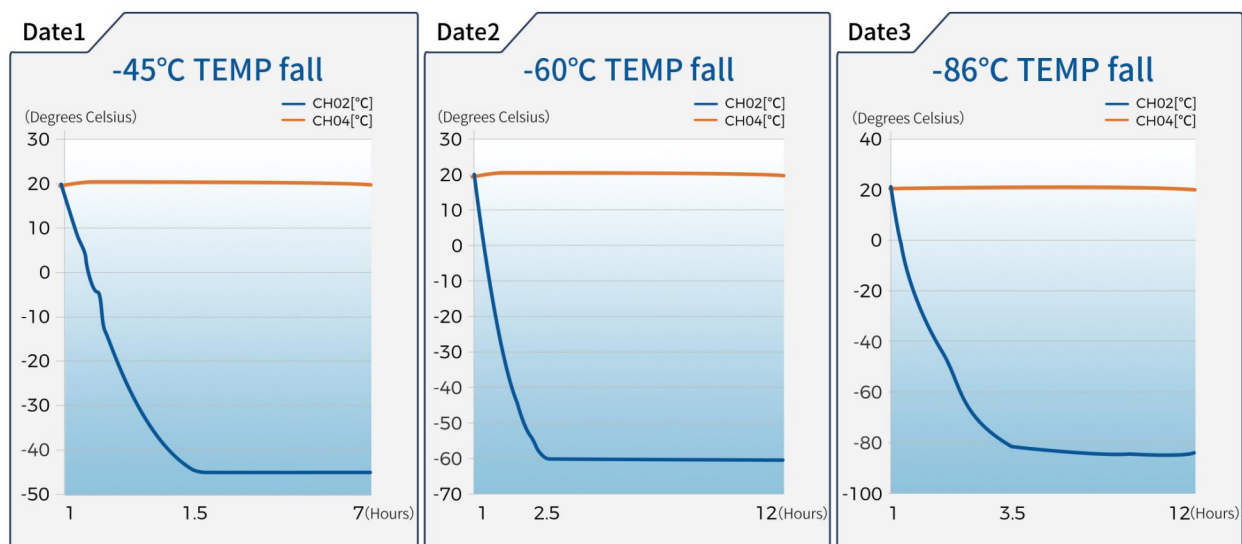
Specification

Type	DW-4525	DW-6025	DW-8625
Parameters			
Storage Volume	25L		
Electric Power	100V AC to 240V AC; 50Hz,60Hz; 12V DC to 24V DC		
Maximum Power(Current)	100W (0.5A@220V, 4.6A@24V)		
Cooling Engine	Free Piston Stirling Cooler		
Refrigerant	Helium (He)		
Heat Transport System	Gravity driven thermosiphon		
Temperature Range	25°C to -45°C	25°C to -60°C	25°C to -86°C
Environmental Conditions	Non-corrosive, Non-flammable, Non-explosive, Altitude up to 2000m (Temperature 5°C to 35°C, maximum relative humidity 80%)		
Performance Data	Ambient temperature is 25°C; Empty Cabinet		
	Take 1.5 hours from 25°C to -45°C	Take 2.5 hours from 25°C to -60°C	Take 3.5 hours from 25°C to -80°C
Temperature control capability	Target temperature $\pm 1^\circ\text{C}$	Target temperature $\pm 1^\circ\text{C}$	Target temperature $\pm 2^\circ\text{C}$
Steady State Energy	Ambient temperature is 25°C		
	30W	40W	75W
Insulation	High performance vacuum insulated panels, polyurethane foam		
Noise	<50dB	<55dB	<55dB
Control Sensor	One RTD(PT100 Class B), precision ± 0.3		
Security	optional	optional	Lockable lid
Warm and cold alarms	optional	optional	Setpoint $\pm 10^\circ\text{C}$
Defrost Method	Manual		
Certification	CE/EMC、CE/LVD、CQC		
Interior(LxWxD)	300×250×300mm		
Exterior(LxWxD)	616×392×455mm		
Net Weight, Empty	17.5kg		
Shipping(LxWxD)	710×480×530mm		
Shipping Weight	21kg		

Introduction

Report portable ultra low temperature freezer uses military grade Stirling Cooling Technology. It's a small portable ULT cold storage. This kind of product focused on laboratory ultra-low temperature storage and transportation, Industrial extreme environment simulation test, Pharmaceutical cold chain transportation, Storage and transportation of biological samples, Cold chain science of life, Clinical medicine, Outdoor camping and Household ULT storage.

1. Wide temperature range(+15°C to -86°C)
2. Energy-efficient
3. Constant temperature inside(fluctuations within $\pm 1^\circ\text{C}$)
4. Easy use and operation
5. Access to a variety of power supplies
6. Small size and light weight
7. Precise temperature control(TEMP fluctuations within $\pm 1^\circ\text{C}$)
8. Utilizes 100% natural refrigerants to support sustainable environmentally-friendly operations



Stirling Cooling Technology

Free Piston Stirling Cooler is a highly efficient cryogenic cooler. It utilizes the Joule-Thomson effect to cool down a single point on the back of the CMOS. This makes them a form of Joule-Thomson type coolers. And now this kind of technology is being widely used in aerospace, satellite sounding, precision equipment cooling and other military areas.

Stirling Cooler advantage:

1. Reduction of structure
2. Adjustable refrigerating capacity
3. NO angle limit operation
4. Long life and maintenance-free
5. High efficiency and low energy consumption
6. Powerful instant freezing ability(top TEMP fall to -130°C within 3min)



Company introduction

Ningbo Juxin ULT-low Temperature Technology Co., Ltd. Is a technology manufacturing company which focused on R&D manufacturing of Stirling Cooling technology and Portable ultra low temperature freezer. We have professional workmanship, strong researching and developing ability, and advanced technology. With the spirit of Integrity, Practicability and Right Effort. We will let the Stirling Cooling Technology to contribute to the world of mankind.

Factory scene



Certification



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