

Quality&Precise



MAXWELLON SC45

-70°C/-40°C/-30°C/45L
Portable Ultra Low Temperature Freezer
2024

Maxwellon

SC45 series 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.

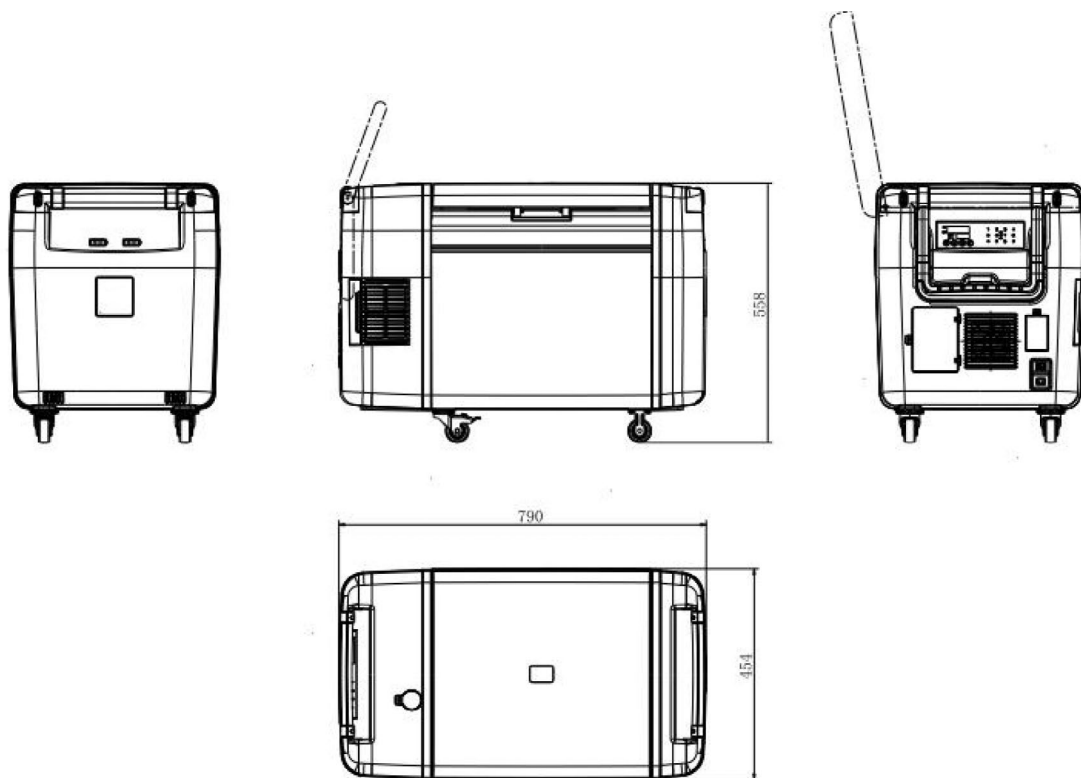
■ Key Feature

- Wide temperature range (-30°C to -70°C)/Adjustable $\pm 1^{\circ}\text{C}$
- Constant temperature inside (fluctuations within $\pm 1^{\circ}\text{C}$)
- Precise temperature control (TEMP fluctuations within $\pm 1^{\circ}\text{C}$)
- Energy-efficient
- Easy use and operation
- Small size and light weight (27KG)
- Access to a variety of power supplies (vehicle power and solar power)
- Utilizes 100% natural refrigerants to support sustainable environmentally friendly operations

■ Specifications

Model	Parameter		
	SC4530	SC4540	SC4570
Cooling System	Stirling cooling system		
Storage Volume	45L		
Set Temperature Range	-30°C to -10°C	-40°C to -10°C	-70°C to -10°C
Refrigerant	CO ₂		
Performance Data	Ambient temperature is 25°C (Empty Cabinet)		
	Take 1 hours from 25°C to -30°C	Take 2 hours from 25°C to -40°C	Take 3.5 hours from 25°C to -70°C
Electric Power	100V AC to 240V AC; 50Hz,60Hz; 12V DC to 24V DC		
Steady State Energy	120W	140W	160W
Environmental Conditions	Non-corrosive, Non-flammable, Non-explosive, Altitude up to 2000m		
	Temperature 0°C to 35°C, maximum relative humidity 80%		
Insulation Liner Materials	SUS304		
Certification	CE/EMC, CE/LVD, CQC		
Interior(LxWxD)	367*327*367mm(45L)		
Exterior(LxWxD)	(W)890*(D)550*(H)675mm		
Net Weight, Empty	27KG		

■ Dimensions



■ Order Information

Model

Model	Name	Description
SC4530	Portable Ultra Low Temperature Freezer	-30°C to -10°C
SC4540	Portable Ultra Low Temperature Freezer	-40°C to -10°C
SC4570	Portable Ultra Low Temperature Freezer	-70°C to -10°C

Standard

No.	Name	Qty.
1	Host	1 pc
2	Power Adapter (DC24V*6A)	1 pc
3	User Manual	1 pc
4	Quality Certificate	1 pc

Option

No.	Name	Qty.
1	Car Power Cable (24V DC)	1 pc
2	Built-in Lithium Battery	1 pc



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