

-86°C Chest Freezers *MCQ 4000 - 4003 Series*



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-86°C Chest Freezers MCQ 4000 Series is designed with a wide voltage tolerance, applicable voltage range of 187V~242V/AC. Optimized self-cascade refrigeration system to provide faster cooling speed with lower power consumption.

◆ Design

Equipped with digital display, Manual Defrosting, Direct Cooling, PURF Insulation and chemically stable environmentally safe Mixed Gas refrigerant with better efficiency and less energy cost are used in the Freezers. Provided with lockable caster design for easy movement. The racks and boxes which are provided (optional) are made of 304SUS and PPT material respectively.

◆ Controller System

It is equipped with Microprocessor Temperature Controller, built-in temperature probe, keyboard lockable, password protection to prevent the running parameters randomly.

◆ Security System

Equipped with safety alarms such as High/Low temperature, Sensor Error, Thermostat Failure with two types of alarm indications: audible buzzing and visible flashing light. Also provided with start-delay function protecting the unit from sudden power off/on and two door locks prevents unauthorized access.

◆ Applications

Used for storing virus, germs, blood cells, bacteria, plasma, biological products and applied in the field of scientific research, university laboratories, electronics industry, chemical industry, biological engineering, hospitals, blood banks, military industries, pelagic fishery companies, sanitation and anti-epidemic.

Specifications

Model No.	MCQ 4000	MCQ 4003
Capacity	105L	485L
Temperature Range	-40°C to -86°C	-40°C to -86°C
Ambient Temperature	10°C to 32°C	10°C to 32°C
Refrigerant	Mixed gas	Mixed gas
Noise	50dB	54.5dB
Power Consumption (KWh/24hr)	3.8	11.5
No. of Compressors	1	1
Sensor	PTC	PTC
Internal Material	Stainless Steel	Stainless Steel
External Material	Color Sprayed steel	Color Sprayed steel
Power	500W	670W
Current	2.9A	3.57A
Internal Dimensions (W*D*H)	480*380*665mm	1455.5*525.2*674mm
External Dimensions (W*D*H)	680*580*935mm	1700*830*980mm
Packaging Dimensions (W*D*H)	770*705*1090mm	1780*910*1080mm
Net Weight	63.7kg	127kg
Gross Weight	68.5kg	152.5kg
Power Supply	220V/50Hz	220V/50Hz
Racks/Boxes(2inches)/ Vials(2ml) - OPTIONAL	4(11*1, 6*1)/34/3400	30(11*1, 6*1)/300/30000

Standard and Optional Accessories

Model Parameters	MCQ 4000	MCQ 4003
Casters	Yes	Yes
Data Logger	Optional	Optional
Test Hole	1/25mm	1/25mm
CO2 Backup System	Optional	Optional
LN2 Backup System	Optional	Optional