

## **-86°C Chest Freezers**

### ***MCQ 4001 - 4005 Series***



#### **-86°C Chest Freezers MCQ 4001 - 4005 Series**

-86°C Chest Freezers MCQ 4001 - 4005 Series is designed with an imported high-efficiency compressor and EBM fan which makes the product energy-saving and highly efficient. The interior is resistant to low temperature, anti-corrosion for long service life and easy cleaning.

### \* Design

Designed with Manual Defrosting, Direct Cooling, environmental friendly Freon-free refrigerant, high-efficiency enclosed compressor ensuring energy saving and low noise. The door is equipped with lock to secure the sample storage.

### \* Controller System

Equipped with Microprocessor Temperature Controller, Digital Display, CFC-free polyurethane foam technology. Also provides with Printer to record every 20 minutes interval of time for 7 days. It prevents unauthorized access by providing key board lock function and password protection function. Two-layer heat insulating foamed door with inner and outer door seal and the insulation design of the outer door system with multiple patents can prevent loss of refrigerating capacity in an effective way.

### \* Security System

Equipped with audible and visual alarm systems such as High/Low temperature, High ambient temperature, Power failure, Condenser cooling failure, Sensor error, Low Battery, System Failure, Abnormal Voltage alarm. It is provided with backup battery, turn-on delay and stopping interval protection function ensures reliability in running.

### \* 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 4001	MCQ 4002
Capacity	138L	328L
Temperature Range	-40°C to -86°C	-40°C to -86°C
Ambient Temperature	16°C to 32°C	16°C to 32°C
Refrigerant	Mixture Gas	Mixture Gas
Access Port	1pcs. Ø 40 mm	1pcs. Ø 40 mm
Power Consumption (KWh/24hr)	5.6	8.7
Insulation Thickness	155mm	130mm

<b>No. of Compressors</b>	1	1
<b>Foaming Lid</b>	2	3
<b>Internal Material</b>	304 Stainless steel	304 Stainless steel
<b>External Material</b>	Steel plates with spraying	Steel plates with spraying
<b>Rated Power</b>	1100W	987W
<b>Input Power</b>	1270W	1050W
<b>Current</b>	5.78A	5.6A
<b>Internal Dimensions (W*D*H)</b>	490*470*580mm	1200*470*570mm
<b>External Dimensions (W*D*H)</b>	1320*890*1030mm	2005*890*1009mm
<b>Packaging Dimensions (W*D*H)</b>	1420*940*1205mm	2145*955*1250mm
<b>Net Weight</b>	200kg	280kg
<b>Gross Weight</b>	231kg	344kg
<b>Power Supply</b>	230V±10%/50Hz	230V±10%/50Hz

<b>Model No.</b>	<b>MCQ 4004</b>
<b>Capacity</b>	668L
<b>Temperature Range</b>	-40°C to -86°C
<b>Ambient Temperature</b>	16°C to 32°C
<b>Refrigerant</b>	Mixture Gas
<b>Access Port</b>	1pcs. Ø 40 mm
<b>Power Consumption (KWh/24hr)</b>	13.4
<b>Insulation Thickness</b>	135mm
<b>No. of Compressors</b>	2
<b>Foaming Lid</b>	3

<b>Internal Material</b>	304 Stainless steel
<b>External Material</b>	Steel plates with spraying
<b>Rated Power</b>	1950W
<b>Input Power</b>	1950W
<b>Current</b>	9.5A
<b>Internal Dimensions (W*D*H)</b>	1200*815*610mm
<b>External Dimensions (W*D*H)</b>	2033*1190*1037mm
<b>Packaging Dimensions (W*D*H)</b>	2061*1250*1250mm
<b>Net Weight</b>	352kg
<b>Gross Weight</b>	438kg
<b>Power Supply</b>	230V±10%/50Hz

#### Standard and Optional Accessories

<b>Model No. Parameters</b>	<b>MCQ 4001</b>	<b>MCQ 4002</b>	<b>MCQ 4004</b>
<b>Casters</b>	4	6	6
<b>CO2 Backup System</b>	Optional	Optional	Optional
<b>Chart Recorder</b>	Optional	Optional	Optional