

-86°C Mixed Gas Upright Freezers *MUQ 7770 Series*



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-86°C Mixed Gas Upright Freezers MUQ 7770 Series is designed with a wide voltage tolerance, applicable voltage range of 187V~242V/AC. The Mixed Gas system is a self-cascade system where one or two compressors are working by themselves with one set of cooling system. This type of Freezers are known for their main cost performance.

*** Design**

Equipped with digital display, Manual Defrosting, Direct Cooling, PURF Insulation and chemically stable environmental 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, independent inner doors to minimize frost buildup inside the chamber out and provides more stability and temperature performance. The outer door is sealed with 4 seals and provided with 5 gaskets which minimize loss of cold temperature while opening the door.

*** Security System**

Equipped with safety alarms such as High/Low temperature, Power Failure, Abnormal Voltage, Sensor Error, Filter Screen Check, Thermostat Failure, Low Battery, Condenser Clean, High Ambient Temperature, Door Ajar 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**

It is suitable to be used for medical, clinical, food industries, preservation, blood banks, university laboratories, etc.

Specifications

Model No.	MUQ 7770	MUQ 7771
Capacity	50L	188L
Temperature Range	-40°C to -86°C	-40°C to -86°C
Ambient Temperature	10°C to 32°C	10°C to 32°C
No. of Shelves/ Inside Doors	One Stainless steel Shelf/1 door	2 Stainless steel Shelf/3 doors
Refrigerant	Mixed gas	Mixed gas
Noise	49.5dB	52dB
Power Consumption (KWh/24hr)	5.6	8.2
No. of Compressors	1	1
Sensor	PTC	PTC
Internal Material	Stainless Steel	Stainless Steel
External Material	Color Sprayed Steel	Color Sprayed Steel
Power	442W	660W
Current	2.67A	4.3A
Internal Dimensions (W*D*H)	330*453*410mm	465*465*830mm
External Dimensions (W*D*H)	635*757*1212mm	850*930*1595mm
Packaging Dimensions (W*D*H)	730*845*1400mm	880*910*1820mm
Net Weight	86.6kg	174kg
Gross Weight	115kg	224kg
Power Supply	220V/50Hz	220V/50Hz
Racks/Boxes(2inches)/ Vials(2ml) - OPTIONAL	2(6*2)/24/2400	9(4*3)/108/10800

Model No.	MUQ 7772	MUQ 7773
Capacity	340L	588L
Temperature Range	-40°C to -86°C	-40°C to -86°C
Ambient Temperature	10°C to 32°C	10°C to 32°C
No. of Shelves/ Inside Doors	3 Stainless steel Shelf/2 doors	3 Stainless steel Shelf/2 doors
Refrigerant	Mixed gas	Mixed gas
Noise	52dB	53dB
Power Consumption (KWh/24hr)	11.2	16.5
No. of Compressors	1	2
Sensor	PTC	PTC
Internal Material	Stainless Steel	Stainless Steel
External Material	Color Sprayed Steel	Color Sprayed Steel
Power	810W	1500W
Current	5A	9.1A
Internal Dimensions (W*D*H)	488*607*1140mm	606*738*1310mm
External Dimensions (W*D*H)	875*980*1900mm	880*1090*1995mm
Packaging Dimensions (W*D*H)	935*1070*2130mm	970*1140*2190mm
Net Weight	222kg	290kg
Gross Weight	283.5kg	360kg
Power Supply	220V/50Hz	220V/50Hz
Racks/Boxes(2inches)/ Vials(2ml) - OPTIONAL	12(4*4)/192/19200	16(5*5)/400/40000

Model No.	MUQ 7774	MUQ 7778
Capacity	838L	728L
Temperature Range	-40°C to -86°C	-40°C to -86°C
Ambient Temperature	10°C to 32°C	10°C to 32°C
No. of Shelves/ Inside Doors	3 Stainless steel Shelf/2 doors	3 Stainless steel Shelf/2 doors
Refrigerant	Mixed gas	Mixed gas
Noise	55dB	53dB
Power Consumption (KWh/24hr)	18.8	20
No. of Compressors	2	2
Sensor	PTC	PTC
Internal Material	Stainless Steel	Stainless Steel
External Material	Color Sprayed Steel	Color Sprayed Steel
Power	1700W	1400W
Current	9.8A	7A
Internal Dimensions (W*D*H)	894*718*1310mm	963*558*1350mm
External Dimensions (W*D*H)	1175*1075*1990mm	1260*890*2010mm
Packaging Dimensions (W*D*H)	1270*1100*2185mm	1320*970*2190mm
Net Weight	344kg	360kg
Gross Weight	430kg	401.5kg
Power Supply	220V/50Hz	220V/50Hz
Racks/Boxes(2inches)/ Vials(2ml) - OPTIONAL	24(5*5)/600/60000	18(5*4)+6(6*4)/504/50400

Model No.	MUQ 7779
Capacity	408L
Temperature Range	-40°C to -86°C
Ambient Temperature	10°C to 32°C
No. of Shelves/ Inside Doors	3 Stainless steel Shelf/2 doors
Refrigerant	Mixed gas
Noise	50dB
Power Consumption (KWh/24hr)	12
No. of Compressors	1
Sensor	PTC
Internal Material	Stainless Steel
External Material	Color Sprayed Steel
Power	890W
Current	4.6A
Internal Dimensions (W*D*H)	606*575*1180mm
External Dimensions (W*D*H)	890*930*1945mm
Packaging Dimensions (W*D*H)	955*955*2100mm
Net Weight	234kg
Gross Weight	291kg
Power Supply	220V/50Hz
Racks/Boxes(2inches)/ Vials(2ml) - OPTIONAL	16(5*4, 4*4)/288/28800

Standard and Optional Accessories

Model Parameters	MUQ 7770	MUQ 7771	MUQ 7772
Casters	Yes	Yes	Yes
Test Hole QTY./Diameter	1/25mm	1/25mm	1/25mm
USB Port	Yes	Yes	Yes
Chart Recorder	-	-	-
Data Logger	Optional	Optional	Optional
Power Failure Backup System (alarm)	-	72hr	72hr
Remote Alarm Port	Yes	Yes	Yes
CO2 Backup System	Optional	Optional	Optional
LN2 Backup System	Optional	Optional	Optional

Model Parameters	MUQ 7773	MUQ 7774	MUQ 7778
Casters	Yes	Yes	Yes
Test Hole QTY./Diameter	1/25mm	1/25mm	1/25mm
USB Port	Yes	Yes	Yes
Chart Recorder	-	-	-
Data Logger	Optional	Optional	Optional
Power Failure Backup System (alarm)	-	72hr	72hr
Remote Alarm Port	Yes	Yes	Yes
CO2 Backup System	Optional	Optional	Optional
LN2 Backup System	Optional	Optional	Optional

Model Parameters	MUQ 7779
Casters	Yes
Test Hole QTY./Diameter	1/25mm
USB Port	Yes
Chart Recorder	-
Data Logger	Optional
Power Failure Backup System (alarm)	-
Remote Alarm Port	Yes
CO2 Backup System	Optional
LN2 Backup System	Optional