

-86°C Mixed Gas Upright Freezers ***MUQ 7775-7777 Series***



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-86°C Mixed Gas Upright Freezers MUQ 7775-7777 Series is designed with twin compressors where if one is damaged the other one can maintain and keep the temperature at -70°C. It is equipped with four casters for easy handling and vacuum release port for easy access to the sample after opening of the door and preventing unauthorized access from the lockable door. Its inner door with double silicon gasket seal prevents loss of cold air and adjustable stainless-steel shelves.

➤ **Design**

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

➤ **Controller System**

Equipped with Microprocessor Temperature Controller, compressors, condenser ensuring temperature stability and system reliability, CFC-free polyurethane foam technology. Also provides with USB data logging to record every 1-minute interval of time for 365 days and in MUQ 7777 – Printer to record every 20 minutes interval of time for 7 days.

➤ **Security System**

Equipped with audible and visual alarm systems such as High/Low temperature, High ambient temperature, Power failure, Condenser cooling failure, Sensor error, USB data log failure, Door ajar, System Failure, Main board communication error and samples out of date. It is provided with backup battery, turn-on delay and stopping interval protection function ensures reliability in running.

➤ **Applications**

Used in blood banks, hospitals, health and disease prevention systems, research institutions, colleges & universities, the electronic industry, biological engineering, laboratories in colleges & universities, military enterprises, deep-sea fishing companies, etc.

Specifications

Model No.	MUQ 7775	MUQ 7776
Capacity	678L	398L
Display	7" LED Touch Screen	7" LED Touch Screen
Temperature Range	-40°C to -86°C	-40°C to -86°C
Ambient Temperature	16°C to 32°C	16°C to 32°C
Shelves	3 Stainless Steel Shelves	3 Stainless Steel Shelves
Access Port	3pcs. Ø 25 mm	2pcs. Ø25 mm
Refrigerant	Mixture Gas	Mixture Gas
Insulation Thickness	130mm	130mm
No. of Compressors	2	1
Power Consumption (KWh/24hr)	15	11
Rated Power	1680W	950W
Input Power	2000W	980W
Rated Current	9.1A	5A
Internal Material	Galvanized Steel Sheet	Galvanized Steel Sheet
External Material	High quality steel plates with spraying	High quality steel plates with spraying
Internal Dimensions (W*D*H)	750*696*1286mm	440*696*1266mm
External Dimensions (W*D*H)	1090*1025*1965mm	785*1041*1947mm
Packaging Dimensions (W*D*H)	1165*1150*2094mm	880*1150*2085mm
Net Weight	330kg	237kg
Gross Weight	382kg	272kg
Power Supply	230V±10%/50Hz	230V±10%/50Hz

Model No.	MUQ 7777
Capacity	100L
Display	Digital Display
Temperature Range	-40°C to -86°C
Ambient Temperature	16°C to 32°C
Shelves	1 Stainless Steel Shelf
Access Port	1pc. Ø 40 mm
Refrigerant	Mixture Gas
Insulation Thickness	90mm
No. of Compressors	1
Power Consumption (KWh/24hr)	9.2
Rated Power	950W
Input Power	1100W
Rated Current	5A
Internal Material	Galvanized Steel Sheet
External Material	Steel plates with spraying
Internal Dimensions (W*D*H)	450*439*514mm
External Dimensions (W*D*H)	1066*742*820mm
Packaging Dimensions (W*D*H)	1165*810*970mm
Net Weight	145kg
Gross Weight	176kg
Power Supply	230V±10%/50Hz

Optional Accessories

Model Accessories	MUQ 7775	MUQ 7776	MUQ 7777
Printer	Yes	Yes	-
CO2 Backup System	Yes	Yes	Yes
Chart Recorder	Yes	Yes	Yes
Remote Alarm Contact	Yes	Yes	-