GLACIER

OPERATION MANUAL

Applicable product model:

GL-F-16M

www.aegisfridge.com

Content

1. Operation Instruction

Dear Customer:

Thank you for choosing to use Glacier Products. For your safe and convenient use and reasonable maintenance of this product, please read the operation manual carefully before use and keep it for your reference.

Equipment operators can copy some of the sections of this operating manual, but only for internal use, such as: instructing users on how to handle incidents. The chapters are clearly marked in the manual's catalog.

Glacier is not responsible or liable for any damage to the instrument caused by the user's failure to use the device in accordance with the manufacturer's instructions.

Due to the rapid improvement of Glacier Products, the functions described in this manual may not be consistent with the functions of the products you purchased. Please refer to the actual functions.

Please read carefully the cautions and safety issues.

In order to make the device work properly, please follow the correct installation method!

Medical freezer, ultra-low temperature freezer, combined refrigerator and freezer can only be operated by trained and authorized personnel.

Maintenance of the equipment can only be carried out by agents authorized by Glacier.

If the operator encounters a situation not mentioned in this manual, please contact the authorized agent of Glacier to inquire about the correct treatment.

Failure to use the equipment in accordance with the methods specified by the factory may damage the protection provided by the equipment.

It is necessary to use accessories supplied by Glacier, such as compressors, thermostats, sensors, fan motors, etc. If the user wants to use other accessories, it may have adverse consequences such as performance, protection and service life.

The storage box must be inspected and maintained at regular intervals.

Due to the improvement of the product and the different models, the actual product may be different from the simplified one. Please refer to the actual product!

- The diagram is only an example to identify the function!

Warm tips:

- I. Please use proper protective equipment.
- II. Please keep good health habits.
- III. Everyone is bound to be responsible for his/her safety.

2. Safety Notices

For the first time to use this device, uses must read the meaning of the following warning labels very carefully. Items and procedures are described so that you can use this unit correctly and safely. If the precautions advised are followed, this will prevent possible injury to the user and any other person.

 **WARNING:** Failure to observe WARNING signs could result in a hazard to personnel possibly resulting in serious injury or death.	 **CAUTION.** Failure to observe WARNING signs could result in injury to personnel and damage to the unit and associated property.
 **CAUTION HOT.** The sign inform the users about the danger of burns for high temperature.	 **DANGER OF EXPLOSION** The sign inform the danger of the application of volatile, explosive chemical substances.
 **NO TILTING .**	 **STAY OUT OF SUN.**

	**WARNING.** Failure to observe WARNING signs could result in a hazard to personnel possibly resulting in serious injury or death.
	As with any equipment that uses CO2 gas, there is a likelihood of oxygen depletion in the vicinity of the equipment.It is important that you assess the work site to ensure there is suitable and sufficientventilation.If restricted ventilation is suspected, then other methods of ensuring asafe environment mustbe considered. These may include atmosphere monitoring and warning devices.
	Do not touch any electrical parts such as the power supply plug or any switches with a wet hand.This may cause electric shock.
	Only qualified engineers or service personnel should install the unit. The installation by unqualified personnel may cause electric shock or fire.
	Be sure to install the unit on a sturdy floor. If the floor is not strong enough or the installation site is not adequate, this may result in injury from the unit falling or tipping over
	Carefully with the power cord to avoid short circuit or open circuit.When removing the plug from the power supply outlet, grip the power supply plug, not the cord.Pulling the cord may result in electric shock or fire by short circuit. Don't make the power line pack and pressed by furnish or heavy goods.Also please don't close to the compressor and heat source.
	Please insert the power plug firmly to avoid leakage.
	Use a power supply outlet with ground (earth) to prevent electric shock. If the power supply outlet is not grounded, it will be necessary to install a ground by qualified engineers. Don't lengthen the line randomly. If you need, To use 2.5mm2 copper line,you should keep 4mm2 line to connect the electrical outlet. Or may cause fire.
	Make sure a dedicated power source is used as indicated on the rating label attached to the unit. Out of the rate, should install a property transformer and a proper voltage stabilizer for securely operation. Or the freezer may be damaged, and may cause injury.
	Be sure to installthe unit on a sturdy floor, no shaking and tilting.
	Never install the unit in a flammable or volatile location. This may cause explosion or fire.
	Never install the unit in a humid place or outdoor or a place where it is likely to be basked straightly.Deterioration of the insulation may result which could cause current leakage or electric shock.
	Do not place the devicelateral tilt, do not impact the device; the device is equipped with refrigeration systems, roll or shock will easily damage the freezer.

	Be sure to install the device in a dry dust-free environment to avoid overheating, short circuit and other dangers
	If there is an unexpected sound, smell, smoke when the power is turned on, unplug the power and contact the manufacturer or supplier.Continuedabnormal operation may cause electric shock or fire.
	Make sure to put the freezer in a dry and ventilated environment, to ensure that equipment vents and wall surface of the instrument or other items have not been blocked; Do not use the device in a poorly ventilated environment, or the equipment may be damaged by the release of heat.
	Never disassemble, repair, or modify the unit yourself. Any such work carried out by anunauthorized person may result in fire or injury due to a malfunction. Meiing will be no responsible for such work.
	Never store volatile or flammable substances in this unit. This may cause explosion or fire.Never store corrosive substances in this unit. This may lead to damage to the inner componentsor electric parts.
	Use this unit in safe area when treating the poison, harmful or radiate articles. Improper use may cause bad effect on your health or environment.
	Never ground the unit through a gas pipe, water main, telephone line or lightning rod. Such grounding may cause electric shock in the case of an incomplete circuit.
	Use a power supply outlet with ground (earth) to prevent electric shock. If the power supply outlet is not grounded, it will be necessary to install a ground by qualified engineers

	**CAUTION：** Failure to observe WARNING signs could result in injury to personnel and damage to the unit and associated property.
	The medical freezeris not available to store non-living things, flowers, or other critical articles which is not suitable for low temperature storage.
	The temperature inside the freezer is very low during the normal working.Do not touch the interior surface of the chamber or the object inside without wearing protective gear.
	Always disconnect the power plug when the unit is not used for long periods.
	Make sure to prepare a safety check sheet when you request any repair or maintenance for the safety of service personnel. Be sure to check set point of the controller prior to restart the freezer.
	The medical freezer is a storage device, not a production equipment!
	Always hold the handle when closing the door. This will reduce the likelihood of a trapped finger.
	Keep the key properly avoiding the children take it to open the back door which may result in unexpected injury.
	Select a level and sturdy floor for installation. This precaution will prevent the unit from tipping. Improper installation may result in water spillage or injury from the unit tipping over.
	Check the filter mentioned in this manual and clean it as necessary. A dusty filter may cause.
	Do not tilt the unit more than 45 degrees when moving the unit. All transportation should be carefully.

3. Precautions for Use

◆ Before you put the items to the medical freezer, please make sure whether the temperature in the refrigerator has reached the set temperature and then put the items to the refrigerator in batches. No more than 1/3 of the refrigerator rating volume per time, in case the temperature rises too much.

◆ Medical freezer temperature display value shows the temperature around the temperature sensors. Sometimes, there is certain difference between the display temperature and the actual temperature in the center of the refrigerator, but it will gradually close to the real temperature.

◆ Clean the refrigerator with the diluted neutral detergent. Do not use brushes, acid, gasoline, soap powder, polish or hot water to clean the medical freezer, as the above material may damage the painted surface and plastic rubber parts. Be careful not to use volatile solvents such as gasoline to wipe plastic rubber parts.

◆ The power should be cut off while the medical freezer does not use for a long time. .

4. Installation

4.1 Installation environment:

➢ Ambient temperature：16℃～32℃, optimal ambient temperature ：18℃～25℃， Air conditioning system is required if necessary.

➢ Relative humidity：≤80%RH.

➢ No strong vibration and no corrosive gases around.

➢ Without the presence of a lot of dust .

➢ No shaking or vibrating of the freezer.

➢ Altitude of the place where the freezer is located：≤2000m

➢ Input voltage ≤220+10% (V).

➢ No direct sunlight or any other cooling or heating source, no electromagnetic interference, or the freezer will not run properly.

4.2 Installation site：

This unit is a precision machine. When select a location to install this unit, keep the following conditions for perfect performance

➢ Should not be installed in a small confined space, the door of the room should not be less than height of the present equipment.

➢ Install the unit on a sturdy floor to avoid excessive vibration and noise.

➢ Installing the unit in direct sunlight may cause malfunctioning and may shorten the life of the unit. Keep good ventilation is necessary.

➢ Socket inputs should be connected to circuit protection facilities,

➢ Checking the working voltage of the place before start the freezer. A voltage stabilizer is suggested to be used at the place where the voltage is not stable. Make sure the normal input voltage stable at or 220V± 10%, Power of voltage stabilizer should be more than 4KW.

➢ Be sure to ground the unit；

➢ If the power cord socket is equipped with grounding wire, check the connection before use.

➢ If the power supply outletis not grounded, it will be necessary to install a ground by qualified engineers

! Warning

- Don't through gas pipe, water pipe, line or lightning rod to medical grounding cooler, easy cause electric shock
- After installation, power plug must be within reach, convenient unplug the power cord in time in case of an emergency
- Any articles shall not cover medical air vents of the medical freezer

4.3 Preparation before using

a. Remove all package components（include the protection foam inside the package）

Caution：Do not put the packing plastic bag within reach of children as suffocation may result

b. Check the device, accessories and document with the device as per list of packing

c. Clean：make a clean of the device before use it.

d. Before use, make sure the temperature control probe is immersed in the test liquid.

4.4 Standing

Do not turn on the freezer at once when the freezer is well located, must wait 24 hours for the first start.

4.5 Power on for the First Time

Operate as follows for the first start:

1. Connect the power cord to the appropriate socket during no-loading。

2. Check the temperature to achieve the required temperature, medical refrigerator for normal open stopped more than 24 hours, after equipment performance is normal, can put a small amount of items placed in medical refrigerating box. (please store items in batches of no more than 1/3 box volume each time. Make sure the medical freezer is out of service, and have the normal opening and stopping for more than 12 hours before putting into the other no more than 1/3 of the box volume items.

3. Do not open the door during the cooling process, will cause the temperature rise。

4. There must be an authorized person responsible for the freezer in customer's office, to check the operation status and make daily record. The inside temperature of cabinet will rise up during the failure problem, if it is not available to be repaired in a short time, take out the stored items and transfer to other safe locations.

5. Prior to put the articles inside the freezer, should check if the temperature set range of this device is matching the requirement of the articles.

6. Due to the Inertia of refrigeration, there is a little difference between the actual temperature displayed on the controller and the set temperature. This is a normal phenomenon.

7. Medical freezers are storage devices, do not put excess ″hot″ samples into the freezers at one time, or will cause compressor damage after long time working without stop. Attention to put in samples and set temperatures in batches.

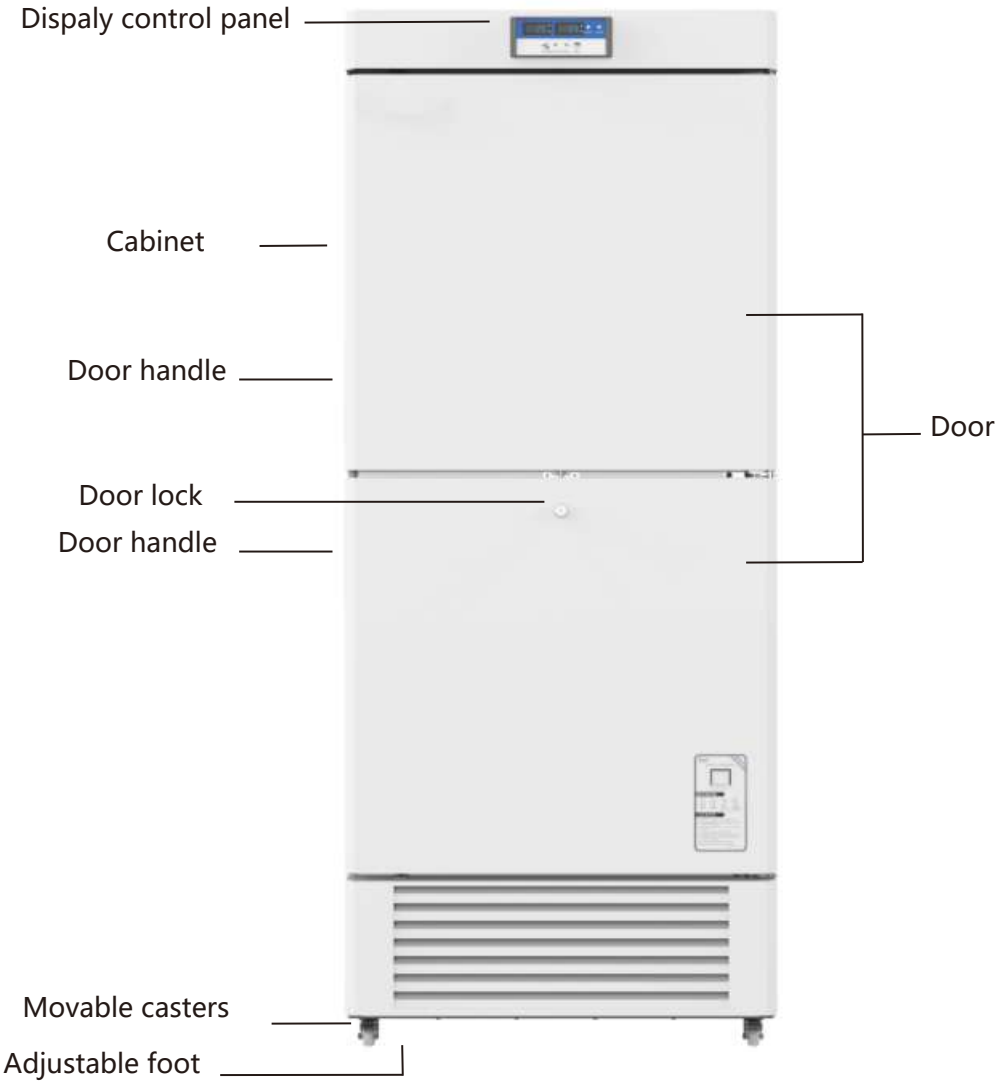
8. Do not put electric devices in the freezers without permission.

9. Do not change the setting temperature frequently within a short time, or the current temperature may not reach the setting temperature as the inertance; Do not cover sensors in the freezer whenyou put in samples and keep some distances between the samples and the inner side of the freezer to make sure the cold air will circulate successfully in the freezer, or will cause the instabilityof the inner temperature and inaccuracy of the display temperature.

10. Operation after power failure.

11. The freezer controller has memory of the set point. The freezer will continue to follow the previous operations when restart the freezer after the power failure. The restart should be done after 5 minutes in case to damage the compressor.

5. Components and Overview

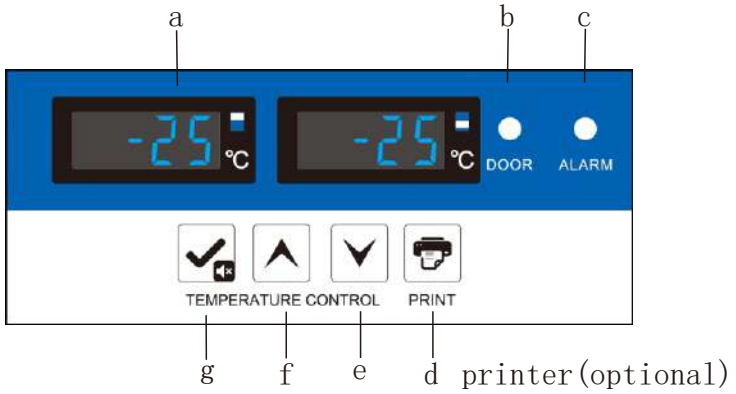


1. Due to the improvement of the product and the different models, the actual product may be different from the diagram. The above figure is only an example of the identification function.

2. Structure and composition: Cabinet, door body, refrigeration system, control system and accessories. Medical refrigerators and freezers are suitable for hospitals, epidemic prevention stations, blood banks, research institutes, universities, genetic engineering, companies, etc.

3. The storage temperature inside the box can be adjusted through the temperature button on the control panel, which is convenient to use and reliable in performance.

6. Display panel function description



(1) Control board introduction:

a. Both -25 are temperature display windows. In normal operation, the average temperature of the upper and lower chambers of the cabinet is displayed in °C; different prompt characters can be displayed in the setting state (see below for details).

b. Door opening indicator : when the door is opened, the indicator light will be on. when the door is opened more than 1 minute, the indicator lighting with buzzer alarm, display "door".

c. Fault indicator: The indicator is off when the product is operating normally; the indicator is on when the product is operating abnormally.

d. "PRINT" : The system can retain 7 days of data for printing. Press the Print key to print the temperature for the set period of time.

e. : In parameter setting mode, move to the previous parameter or decrease the value of the parameter. For example, when setting the set temperature, reduce the set temperature. When setting the parameter value, long press the key to quickly decrease the parameter.

f. : In parameter setting mode, you can move to the next parameter or increase the value of the parameter. For example, when setting the set temperature, increase the set temperature value. When setting the parameter value, press and hold the up button for a long time and the parameter will increase rapidly. Under normal conditions, press and hold the key for 3 seconds to import the U disk for 12 months.

g. is the button for set/mute, when there is no alarm state and the key is not unlocked, press , displaying ambient temperature for 5 seconds restores normal display; In the unlocked state, press for 3 seconds, can enter the user menu. When buzzer alarm (including cabinet temperature over temperature alarm, door open alarm, sensor fault alarm, etc.), in the locked state, first time press , Buzzer stops tweeting, 5 seconds after showing ambient temperature, resume normal display(The key mute is only to turn off the buzzer of this abnormal state alarm. If the fault is eliminated, the buzzer will continue to alarm when the next exception occurs), press again, buzzer alarms, After the ambient temperature is displayed for 5 seconds, the cabinet temperature and alarm status are restored. When the press is under unlocked state, can be used as a set button.

In the unlock state, in the parameter setting mode, press this key to display the value and the parameter name. If the pressed time is longer than 3 seconds, the setting is saved and the normal interface is returned.

h. USB data (optional)

Automatic export: When the USB flash drive is connected to the USB interface, the buzzer will beep once after the data transfer is completed, the upper room displays "Usb", and the lower room displays "on". The U disk generates the PDF of the current month and the previous month. After the data transmission is completed, the buzzer will beep once, "End" will be displayed, and the normal display will be restored after 6 seconds

Note: when the data is small, the digital tube will not display "Usb", "on" and "End".

Manually export: If the button is under locked state, after connecting U disk well and buzzer alarm for one time, press upper button for 3 seconds, digital tube display “d01”, Press the up button or down button to adjust “d00~d12”, press , The U disk internally generates a PDF file that generates this file (d00) or generates the data recorded in the previous month (1-12).

Note: When the digital tube alarm flashes "LoF", the recorder does not start; press the and for 3 seconds, "LoF" disappears and the recorder starts.

(2) Function settings

a.Power on, open the power switch on the back of the cabient, the machine can enter the working state;

b.User parameter settings:
Unlock: In the normal running state, press the key and for 3 seconds at the same time, the upper room digital tube will display the parameter code "PS1", the lower room digital tube will display the parameter code "0000", press the and input the password "0005" (enter the user menu password, enter "0099" to restore the key lock password to the default "0005"), Unlock at this time. Press the key for 3 seconds after unlocking, the digital tube displays the parameter code "PS1" and enters the setting adjustment.

① Use to scroll through the parameters. The display order is b1-b2-Set1-H01-L01-Set2-H02-L02-n-y-r-S-F-Pt-tH1-P1-PS1.
② Use and to increase or decrease the value;
③ Press to temporarily store the modified value and return to the display parameter;
④ If you modify other parameters, please repeat steps 1~3.
⑤ Press for more than 3 seconds to store the modified parameters and return to the display parameters interface.

c. Press for more than 3 seconds, or no button is pressed within 60 seconds, the parameter setting will be exited.

d. Parameter display

Serial number	menu	Parameter range	Suggest setting values	Remarks
1	b1	— —	3.0	Hardware Version
2	b2	— —	4.1	Software Version
3	Set1	YL:-10~-25 FL:-10~-40	YL:-25 FL:-40	Temperature setting for upper chamber
4	H01	0.0~10.0	5.0	High temperature alarm setting value is set+H, and when H is equal to 0, the alarm is canceled. When the temperature is too high, the high temperature alarm shows H01.

5	L01	0. 0~10.0	5.0	Low temperature alarm setting value is set-L, and when L is equal to 0, the alarm is canceled. When the temperature is too low, the low temperature alarm shows L01.
6	Set2	YL:-10~-25 FL:-10~-40	YL:-25 FL:-40	Temperature setting for lower chamber
7	H02	0. 0~10.0	5.0	High temperature alarm setting value is set+H, and when H is equal to 0, the alarm is canceled. When the temperature is too high, the high temperature alarm shows H02.
8	L02	0. 0~10.0	5.0	Low temperature alarm setting value is set-L, and when L is equal to 0, the alarm is canceled. When the temperature is too low, the low temperature alarm shows L02.
9	Pt	0~240 minutes	20	Print interval
10	tH1	20.0~50.0℃	50	Upper limit of ambient temperature alarm
11	PS1	0000~9999	0005	Setting of user's menu password

Printer Settings:

(1) Automatic printing: When the printing interval Pt is not 0, the printer will print the current data every Pt minute.

Note: when the print interval Pt is less than the record interval SCy, print according to the record interval;The remaining print intervals are printed at integer multiples of the record interval SCy, i.e., the print interval Pt shall set the integer multiples of the bit record interval.

(2) Manual printing: keys unlocked state and normal working voltage, digital tube display "P01", press the print key press to raise or lower key adjustment "P00 ~ P07", press the set/mute reuse key or the print button, cancel the manual printer print (P00) or print the current push days (1 ~ 7) recorded data, print data with automatic printing intervals.

(3) Alarm code display

Alarm code	Fault description
H01	Upper chamber high temperature alarm
L01	Upper chamber low temperature alarm
H02	Lower chamber high temperature alarm
L02	Lower chamber low temperature alarm
H03	High ambient temperature alarm
Pr	U disk generated file error
E2	Upper chamber temperature sensor alarm
door	Door ajar alarm
PF	Power failure alarm
bL	Low battery alarm
EE	Communication failure alarm
E4	Lower chamber temperature sensor alarm

Note: When adding USB or printer, ER (recorder not connected) and LoF (recorder not activated) abnormal alarm are valid.

➢ Just to switch on the power supply for medical freezer do not immediately add items, make empty operation after a period of time (about 24 hours), then refrigerated goods into storage box.

➢ To add items, if the item is too much water or excessive drying will influence the change of the humidity, the best goods sealed; the same medical freezer working environment humidity size will also affect the change of the humidity of the door and the door body ,especially too much not close well.

➢ For each store items can not exceed 1/3 box capacity, achieve the actual temperature and normal operation after 24 hours, then add another 1/3 box storage capacity.

➢ To add items please do not block the outlet and inlet.

➢ The goods can not be placed directly on the bottom of the medical freezer should be placed on the bottom shelf, otherwise the effect of medical freezer cooling effect.

➢ The cooling process as far as possible not to open the door, otherwise it will cause temperature rise.

➢ Due refrigeration inertia, the product reaches a set value when stopping the display temperature and the set temperature may have a certain difference, this is the normal phenomenon.

Note: children are not allowed to play games in a medical freezer.

7. Defrost ●Unused ● Maintenance

Caution

➢ For personal safety, please cut the power supply before any maintenance!

➢ Don't inhale medications or aerosols around the device while maintaining a medical freezer, or it will endanger your health.

7.1 Defrost

After the product has been working for a period of time, its internal surface will be frosted, which will affect the cooling effect and increase the power consumption. It is recommended that defrosting should be performed when the frost layer is too thick.

➢ Cut off the power, open the door, and transfer the items to a cool place.

➢ Use a defrost scoop to gently remove the surface area cream (Also allow the temperature inside the tank to naturally rise, melt the frost)

➢ In order to speed up the defrosting process, flat bottom containers with less than 50°C hot water can be placed in a medical freezer.

➢ Then use a dry cloth to wipe off any remaining ice water. Return items to the medical refrigerator.

➢ Power on, power on cooling.

Warning: Do not use sharp metal appliances during defrosting to avoid damage to the medical freezer.

7.2 Unused and Maintenance

If the product needs to be stopped for a long time, the power should be cut off, cleaned according to following methods, and sealed after opening and drying.

Before using it again, apply a dry cloth to dry the water around the door.

Do not place heavy objects on the top of the medical freezer to avoid deformation of the box.

At regular intervals, the medical freezers are cleaned and maintained once. (For safety reasons, the power plug must be unplugged before scrubbing.)

Wipe the inner and outer surfaces of the freezer with a soft, damp cloth.

When the dirt is serious, wipe it with a neutral detergent for washing utensils, then wipe the water with a soft cloth.

Once this product is activated, it is best to use it continuously.

Note: Do not spray water directly on the cabinet, so as to avoid degradation of electrical components and metal parts rust. Do not use hot water and corrosive cleaners or organic solvents to clean the cabinet.

7.3 Disposal

WARNING: If the equipment is left unused in an unsupervised area for extended periods of time, make sure that the child does not get close to the cabinet and that the door cannot be completely closed. Disposal of cabinets should be performed by appropriate personnel to prevent accidents such as asphyxiation.

8. After-sale Service

Any product has the possibility of failure. Please observe the operation of the medical freezer in the process of use. If there is any abnormality, please check and compare the errors with the following table.If you can't fix the issue, Please inform our service center in time. We will serve you wholeheartedly to avoid any losses.

Term of use: 10 years

Troubles	Reason and solutions
The unit doesn’ t work	➢ Does the power plug have electricity ➢ The power plug is inserted or loose. ➢ Is the power fuse disconnected? ➢ Is the power supply voltage too low or too high
Compressor doesn’ t work	➢ Temperature setting is correct or not ? ➢ Is the temperature inside the box too low?
Temperature does not reach the set value	➢ Whether the door is closed or the door is open too often? ➢ Do you have too many items at one time? ➢ Is the ambient temperature too high?
Big noise	➢ Is the box placed on a flat floor? ➢ Does the cabinet hit the wall?
Glass window surface condensation	➢ During the rainy and humid season, the window may condense, which is normal. Wipe it off with a dry cloth.

● **Below are normal operations：**

①There are some light clashes when the compressor starts up and stops.

② After opening the door and put in the hot subjects, the controlling system appears high temperature and high humidity alarm.solution： The hot subjects should be cooled by natural cooling and then put into the cooler. Do not put too many subjects at one time. After the system is stable, the high temperature and high humidity alarm will be relieved.

③ The slight flowing noise of running water in the refrigerant pipe.

④ Before call the service engineer,Please clean and disinfect the freezer.

Condition:Cannot shake heavily,strike,prevent to drenching.

Storing environment temperature:-40℃ ~ +55℃, Relative humidity: 10％ ~ 90％.

9.Specifications

Name	Medical freezer/Ultra-low temperature freezer
Model	GL-F-16M
Outside cabinet	PCM color plate
Outside door	Epoxy polyester powder spray coated steel plate
Condenser	Wire tube condenser
Evaporator	Wire Tube Evaporator
Insulation	Rigid polyurethane foam filling
Compressor	Fully enclosed
Thermostat	Microcomputer control
Temperature sensor	NTC
Alarm system	High/low temperature alarm, door ajar alarm, power failure alarm, low battery alarm, sensor error alarm.

Annex1： Rechargeable Battery Maintenance,Installation,Replacement and Disposal

Long term power failure or in the process of transportation, the main power switch must be turned off. Otherwise, long time discharge will cause battery loss or permanent damage, and it will be abnormal after re-energized.

Maintenance of rechargeable batteries: In order to prolong the battery life, please avoid idlingthe product. It is better to run the product more than 24 hours monthly to recharge.

Battery Maintenance

A. If the freezer does not run in a long time, it should be connected to the poweron a regular basis (monthly), turn on the power switch to charge the freezer for aperiod of time, and the charging time is not less than 24 hours.

B. When the power supply is interrupted, the power lock switch should be turnedoff in time, otherwise the battery will lose power, which may cause permanentdamage to the battery.

C. The battery is expendable and the battery life is about 2 to 3 years. If thebattery is not properly used, such as the loss of electricity or reach the batterylife, it will lead to low battery alarm.（ It does not affect the usage of the refrigerator but there is alarm failure and influence on printing function.It is suggested that users should contact company after−sales service staff to replace.

1. Battery Installation Position: Top inside of electrical box

2. Battery replacement

a. Turn off the power switch and pull the plug from the socket (Pay attention to the electrical components in the electrical cabinet. Power supply must be turned off and also unplug the power cord and turn off the power switch of the freezer before opening. The electrical cabinet must be opened by qualified engineer or maintenance personnel).

b. Remove the battery connection plug.(Before unplugging the cord, pay attention to the sequence of the battery′s positive and negative levels and the connecting line, does not upside down the positive and negative levels to prevent the control system damage from the installation of new batteries.The red line is usually connected to the positive pole, and the black line is connected to the negative pole)

c. Remove two fixed screws from the battery plate with a screwdriver and remove the battery.

d. New replaced battery model: BT−12M4.0AC(12V4.0AH)；

e. The replacement battery is recyclable, please contact the local battery recycling agency for processing.

Note: In order to effectively ensure that the replacement tank battery meets therequirements of the control system and to avoid the impact of improperoperation on the system during the replacement, it is recommended to contact the Meiling after−sale service staff to replace or guide.

Anex2: About installation of printer paper for optional part printer.

The printing paper has been installed in the factory. When the paper is used out for a long

time, you can buy and replace it with the same roll paper .

The installation steps are as follows:

1. Press the cylinder button on the printer and open the cover of the printer.

2. put print paper into the printer box and pull the paper roll end of the printer cover after the note slightly exposed on the box cover port;

10. Performance

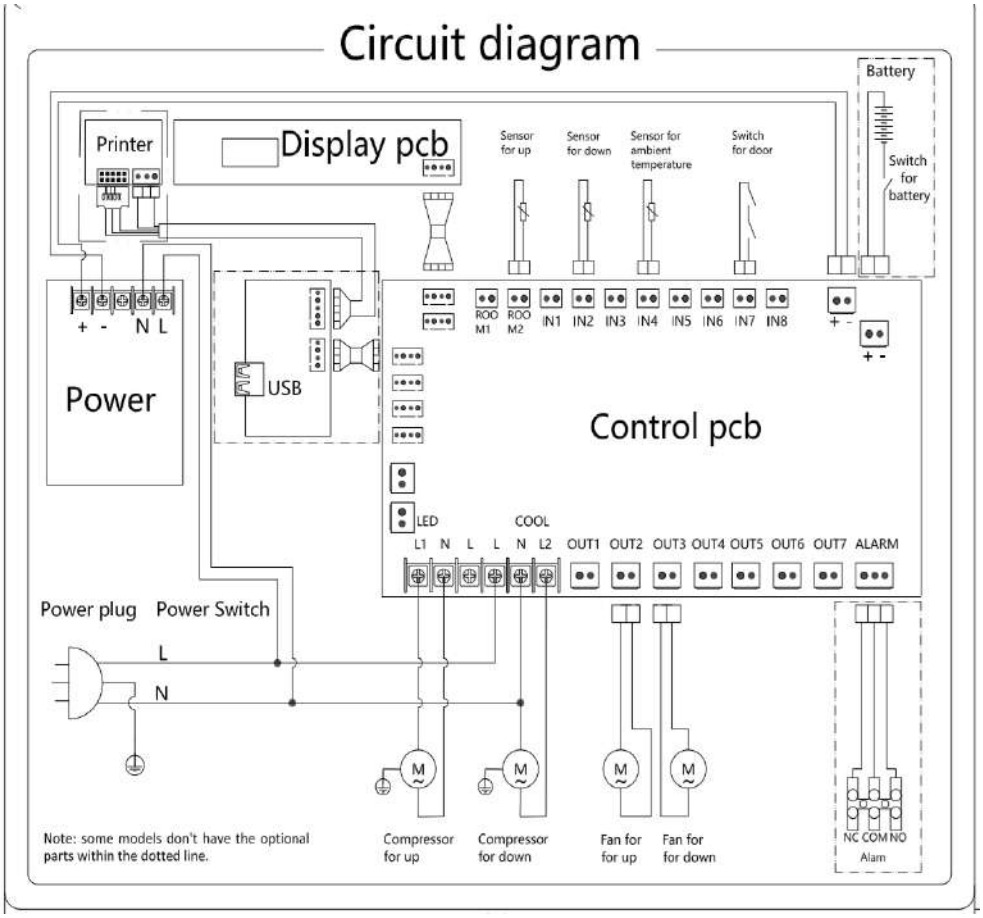
10.1 Main Technical Parameter

Model	Ambient temperature	Climate type	Refrigerant	Rated voltage (V~)	Rated frequency (Hz)	Storage temperature (℃)	Net capacity (L)	Rated current (A)	Net Weight (Kg)	Exterior dimension (W*D*H) (mm)
GL-F-16M	16~32℃	N	R600a/65g×2	220	50	Up:-10~-25℃ Down:-10~-25℃	450	1.55	144	810×735×1960

10.2 Packing List

Name	Operation manual	Defrost shovel
Quantity	1	1

10.3 Electrical Diagram



If the product is improved, the technical data and circuit diagram shall be subject to the final product nameplate and cabinet circuit label.