

INSTRUCTION MANUAL FOR

Absorption Refrigerator

**Please read this manual carefully and
make sure to keep it in a safe place
accessible to users at anytime**

1. The refrigerator should use a separate, dedicated power socket. The power socket must meet the requirements of relevant safety laws and standards.
2. Make sure that the cooling system on the back of the refrigerator is out of reach and not touched by anyone unexpectedly (it will be hot during operation).
3. The outside of the unit should not be splashed with water.
4. Storage of explosive, combustibles, volatile dangerous goods and corrosives acid and alkali in the refrigerator are prohibited.
5. The inside temperature of the refrigerator is over 0 °C . Therefore, items cannot be frozen in the refrigerator.
6. In case of malfunction or abnormal operation, please contact our service department or dealer for services without delay. Do not dismantle the refrigerator without authorization, as this may void relevant warranties.

B. Proper placement

1. The proper placement of the refrigerator to keep good heat exchange effect of the refrigerator is shown in figure 1.

2. In case of built-in placement for solid door models (for example in F&B outlets or hotels), adequate ventilation and circulation space is required. This is shown in examples

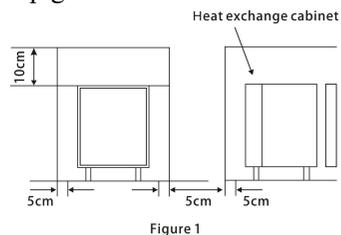


Figure 1

A, B, C, D and E in figure 2. The area of the admission inlet and exhaust outlet should not be less than 250C m² to ensure smooth operation. Air flow to admission and exhaust must be unobstructed. Do not put the refrigerator into a closed cabinet.

3. Glass door refrigerators cannot be built-in refrigerator.

1—Ventilation grid;

2—Admission;

3—Exhaust;

Attention: The area of space around the ventilation grid (1) should be at least 250 cm²

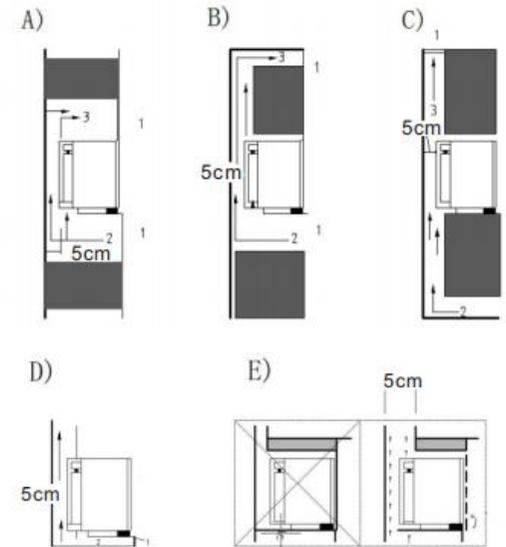


Figure 2



Warning

Attentions should be given to the following points to ensure optimum, safe performance and to lower power consumption:

- The refrigerator should not be placed near heat source and in direct sunlight;
- Near the cooling system, there should be no barriers impeding airflow;
- The ventilation grid should not be covered by anything, including e.g. decorations and cloth etc;
- The refrigerator must be placed steady on all supports and must be level;
- **WARNING!** Children aged from 3 to 8 years are allowed to load and unload this appliance.
- **WARNING!** When positioning the appliance, ensure the supply cord is not trapped or damaged.
- **WARNING!** Do not locate multiple portable socket-outlets or portable power suppliers at the rear of the appliance.

Daily use

To avoid contamination of food, please respect the following instructions

- Opening the door for long period can cause a significant increase of the temperature in the compartments of the appliance.

Clean regularly surfaces that can come in contact with food and accessible drainage systems.

- Store raw meat and fish in suitable containers in the refrigerator, so that it is not in contact with or drip on to the food.
- If the appliance is left empty for long periods, switch off, defrost, clean, dry and leave the door open to prevent mould developing within the appliance.



- **WARNING!** During using, service and disposal the appliance, please pay attention to symbols left side, which is located on rear of appliance (rear panel or compressor).
- It's risk of fire warning symbol. There are flammable materials in refrigerant pipes and compressor.
- Please be far away fire source during using, service and disposal.

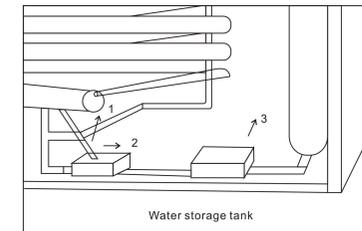
C. Maintenance

It is recommended that the absorption refrigerator shall be cleaned before its operation!

1. Clean the refrigerator with a soft cloth, with water and neutral detergent , wipe inside and outside of the refrigerator, then wipe the refrigerator dry;
2. After operation of the refrigerator, remove the dust on the cooling system on back of the refrigerator with soft cloth or feather duster at

regular intervals.

3. Clean the water storage tank on the back of the refrigerator every quarter or at regular intervals. The dismount steps of the water storage tank to enable cleaning are illustrated below.
4. When it is necessary to clean the shelves on the door, only lift the shelves up , then take the shelves out. Do not lift the unit by the door.



If the supply cord is damaged, it must be replaced by the manufacturer or service agent or a similarly qualified person.

D. Method of operation

1. Put articles into the refrigerator 5 to 6 hours after start of operations, when the inside chamber is cooled down
2. The height of the shelves can be freely adjusted conducive to store articles with various sizes. Do not put heavy articles on the shelves so as to avoid cracking of the shelves.
3. The refrigerator features a mounted microprocessor controlled thermostat. The controller of the thermostat is located near the bottom of the inside back wall. To lower the inside temperature, please turn the knob clockwise; if you desire a higher temperature, please turn the knob anti-clockwise.
4. The refrigerator has an automatic defrost function: the refrigerator will start its first defrost at 15 hours after initial switch on and the defrost will take 1 hour. Then the refrigerator will perform defrosts after every 23 hours of operation, the duration of defrost will be 1 hour. The defrosted water will run to the water collection tank, then flow into the water storage tank, and



then naturally evaporate in the circulating air.



Caution: Never force clear frost on the evaporator away; also never use a heater for quick melting of ice and frost.

5. There is a light inside the refrigerator (refrigerator models with glass door have no light), the light will automatically activate when the door of the refrigerator is open.

Disconnect the power supply before replacing the light!

Steps for replacing the light are as follows:

- (a) Unplug the power plug;(b)Remove the transparent light cover on the top of the inside chamber;(c)Turn the burnt light anti-clockwise and take the burnt light out;(d)Fit a new light and turn tight clockwise;(e)Put the light cover back. (f)Only lights from your agent should be installed.

E. Instructions for power conservation

- i . In normal operations, adjust the red point of the knob of the thermostat to right top. Beverage at this temperature will be pleasantly cool, but not icy;
- ii . Do not put the refrigerator in direct sunlight and near heat sources;
- iii. Ensure optimum flow of the air near the cooling system at the back of the refrigerator to outside.
- iv . Minimize the time of open doors, including when restocking with new articles. Optimize your restocking process accordingly;
- v . The refrigerator should be switched on for a minimum of 2 hours before putting articles into the refrigerator. 5 to 6 hours is preferred;
- vi. Do not put warm articles into the refrigerator;

F. The absorption refrigerator used for hotel rooms, is mainly designed for drinks and wine. It is not designed as a freezer or for making ice, (room temperature not higher than 30°C).

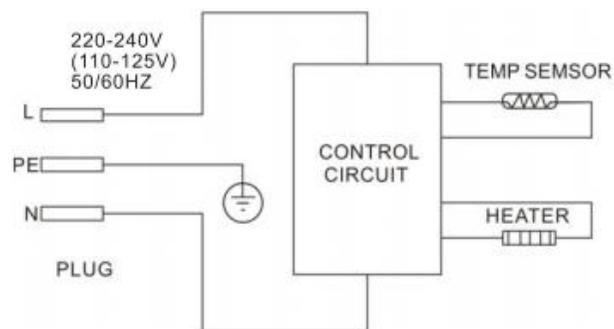
G. Troubleshooting guide

- i . **Cooling does not work (the cooling system on back of the refrigerator is cool)**

Possible causes	Solutions (for users)	Solutions (for manufacture service)
a) the red point of the knob of thermostat is set "0"	a) Set the red point of the knob of thermostat to middle position;	
b) The power plug was not plugged in	b) Put the plug in;	
c) There is no power in the socket	c) Check the power cable around room	
d) Problem of electronic parts or sensor		d) Replace with new electronic parts or sensor
e) The heater is giving trouble	e) Unplug the plug, lift the insulated tube 30 to 40 mm till showing clip for the heater bar, and remove the heater bar. Put the insulated tube to its original position after replacement.	e) Replace with new tube heater bar
f) The refrigerator is at defrost	f) Please refer to point 3 in method of operation and wait	
g) Problem caused during transportation	g) Turn the refrigerator 90° to front for 1 hr	

ii . Cooling does not work (the cooling system on back of the refrigerator is warm)

Possible causes	Solutions(for users)	Solutions(for manufacture service)
a) The refrigerator is not levelly placed;	a) Adjust the refrigerator position; use levelling tools	
b) The refrigerator has only just been connected;	b) Check it 6 hours after the refrigerator starts operation.	
c) The cooling system is at fault.		c) Check if the cooling system can be repaired? If not , change the cooling system



H. Food storage recommendations

Refrigerator compartments	Type of food
Door or balconies of fridge compartment	<ul style="list-style-type: none"> • Foods with natural preservatives, such as jams, juices, drinks, condiments. • Do not store perishable foods.
Crisper drawer (salad drawer)	<ul style="list-style-type: none"> • Fruits, herbs and vegetables should be placed separately in the crisper bin. • Do not store bananas, onions, potatoes, garlic in the refrigerator.
• Fridge shelf – bottom	Raw meat, poultry, fish (for short-term storage)

• Chiller (box/drawer)	
Fridge shelf – middle	Dairy products, eggs
Fridge shelf – top	Foods that do not need cooking, such as ready-to-eat foods, deli meats, leftovers.
Freezer drawer(s)/shelf	<ul style="list-style-type: none"> • Foods for long-term storage. • Bottom drawer/shelf for raw meat, poultry, fish. • Middle drawer/shelf for frozen vegetables, chips. • Top drawer/shelf for ice cream, frozen fruit, frozen baked goods.

To avoid contamination of food, please respect the following instructions

1. Opening the door for long periods can cause a significant increase of the temperature in the compartments of the appliance.
2. Clean regularly surfaces that can come in contact with food and accessible drainage systems
3. Clean water tanks if they have not been used for 48 h: flush the water system connected to a water supply if water has not been drawn for 5 days.
4. Store raw meat and fish in suitable containers in the refrigerator, so that it is not in contact with or drip onto other food
- 5.If the refrigerating appliance is left empty for long periods, switch off, defrost, clean, dry, and leave the door open to prevent mould developing within the appliance

I. Cleaning instruction:

Before any cleaning or maintenance operation, always unplug the appliance or disconnect it from the power supply.

For manual defrost refrigerator compartment, defrosting of the refrigerator compartment is completely automatic.

For manual defrost freezer compartment, defrost the low temperature compartment when the ice formation is excessive. It is perfectly normal for ice to form. The amount of ice which forms and the rate at which it accumulates will depend on room temperature and humidity, and on the frequency with which the door is opened. Ice formation is concentrated at the top of the compartment and does not affect the efficiency of the appliance. If possible, defrost the freezer when it is nearly empty.

For no frost model, the defrost water is automatically routed to a drain outlet and into a container from which it evaporates. Defrosting is completely automatic.

Following below items:

If you go on vacation:

1. Empty the refrigerator.
2. Unplug the appliance from the power supply.
3. Leave the doors open while the appliance is not being used, to prevent the formation of mould, odours and oxidation.
4. Clean the appliance. Clean the inside of the refrigerator compartment regularly with a sponge dampened in warm water and/or neutral detergent. Rinse and dry with a soft cloth. Do not use abrasive products. Clean the outside with a damp cloth. Do not use abrasive products, scourers, stain removers (e.g. acetone, trichloroethylene) or vinegar.
 - 1) For detachable parts, such as shelves, drawers, crispers, ice boxes, egg trays, gaskets-----take out and clean these parts with a sponge dampened in warm water and/or neutral detergent.
 - 2) For air vents, sensor cover grilles, lamp cover grilles-----clean these parts with a vacuum cleaner or soft brush.
 - 3) For drainage system: Clean the defrost water drain outlet regularly with a sponge dampened in warm water and/or neutral detergent.

- 4) For the dead space and inaccessible area (such as the gap between the two layers of wires of the wire-tube type evaporator/ the gap between to evaporator and inner liner, etc.), if necessary, you could clean these area with a brush dipped with warm water and/or neutral detergent. The material of the brush is wool or soft wire. Below is a suggestion:

