

# **User Manual**

## **Low Temperature Chest Freezer**

**AL07-01-230**  
**AL07-02-230**  
**AL07-03-230**



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### Operating Instructions: Low Temperature Chest Freezer

*For safety reasons, these operating instructions should be read before the freezer is commissioned. The operating instructions should always be available to and accessible for the personnel!*

The drawings and symbols in these operating instructions are for safety purposes when commissioning and using the freezer.

Instruct the personnel in the use of the freezer. There is a risk of frost-bite if the contents or the sides of the inner container are touched!

*In the event of breakdown or irregularities contact professional instructors of the manufacturer or repair technicians immediately.*

Only use the freezer for its specific purpose.

#### Safeguarding the environment:

1. Packing:  
The packing material is entirely recyclable.  
Please follow the local regulations for scrapping.
2. Appliance:  
The freezer is made of recyclable material. Dispose of the appliance should be according with the local environmental regulations.  
The appliance must be delivered to an authorised centre for recovery of refrigerant.

#### Electrical Connection

Data regarding voltage and absorbed power / current is given on the rating plate placed on the rear side of the freezer.

The machine should be given extra protection in accordance with the Electricity Supply Regulations in order to protect the user against dangerous electric shocks in the event of faults.

Electrical connection must be made in accordance with the local regulations.

### **Warning:**

Regulations require that this appliance be earthed:

The manufacture declines all liability for injury to persons or animals and for damage to property resulting from failure to observe the above procedures and reminders.

If the socket and plug are not of the same type either the socket or the plug must be replaced by a qualified electrician.

Under no circumstances use extension leads or adaptors.

### **GB ONLY:**

If the switch is for a three-pin plug, a three-pin plug should be used and the conductor with yellow/green insulation connected to the Earth terminal marked E.

### **The Cooling System**

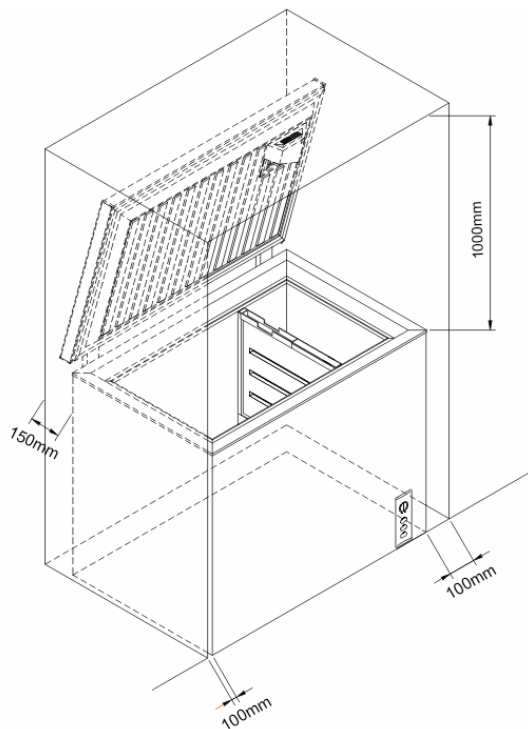
The vaporiser is built into the wall of the inner container. This will be - 90°C, so there is a risk of frost-bite if it is touched. Always use gloves when touching the contents of the freezer.

The condenser is placed on the inside of the cabinet. This means that the outside of the cabinet gets warm when in operation. The advantage of a warm cabinet is that it will always be dry.

The advantage of freezing boxes is that only a minimum amount of heat gets in when they are opened and closed.

### Installing the Freezer

1. The freezer should be located in a dry, cool place, out of direct sunlight. The freezer gives off a great deal of heat when in operation. If the ambient temperature is too high, there is a risk that the freezer will not operate correctly. It is recommended that the room be ventilated, so that the room temperature does not exceed 32° Celsius at most. The freezer should not be subjected to water on the cabinet. If water gets into the electrical parts it may cause short-circuiting.
2. Place the freezer on a solid and flat substrate which can take the weight of the freezer. This will eliminate any vibration and irritating noise. The freezer should be placed with at least 10 cm free to the sides, at least 15 cm free at the back, and at least 100 cm free to the ceiling.



3. The electrical installation should be earthed. The installation should be fused at least with a 10 A fuse. Do not use extension cables, but connect the freezer directly to a fixed installation. If the freezer is connected to a long extension cable there is the risk that the cable will become hot.
4. In the event of functional or electrical irregularities, please contact an authorised servicing engineer.

### **Caution!**

No bottles or tins should be placed in the freezer, as they could explode and cause injury to personnel.

Always use gloves when operating the freezer, to reduce the risk of frost-bite.

**In the event of repair work or corrective action in the installation in the machine room, the plug should always be removed! Repair work in the installation should be carried out by an authorised electrician!**

### **WARNING:**

Keep ventilation openings, in the appliance enclosure or in the built-in structure, clear of obstruction

### **WARNING:**

Do not use mechanical devices or other means to accelerate the defrosting process, other than those recommended by the manufacturer.

### **WARNING:**

Do not damage the refrigerant system.

### **WARNING:**

Do not use electrical appliances inside the freezer storage compartment, unless they are of the type recommended by the manufacturer.

- Always keep the keys in separate place and out of unauthorized personal.
- Before servicing or cleaning the appliance, unplug it from the mains or disconnect the electrical power supply.
- The power supply cable may only be replaced by an authorised person.
- Frost formation on the interior wall and upper parts is a natural phenomenon, and therefore the freezer should be defrosted during normal cleaning or maintenance.

### **Before Commissioning**

Clean the freezer both inside and out using a damp, wrung out cloth. Dry with a dry cloth.

The smell from the plastic parts in the freezer will disappear once the freezer has been cooled down.

### **Starting Up the Freezer**

- Put the plug in the socket.
- Turn the unit on by using the mainswitch

The digital thermostat/thermometer will start to flash. The thermostat was pre-set by the producer. The freezer should run for at least 6 hours before the thermostat is changed. (Stabilisation of the cooling system).

Set the digital thermometer at the temperature required. It will now take about 4-5 hours before the set temperature is reached. The freezer should be cooled down without anything in it.

Once the freezer is cooled down, the set temperature and the temperature shown will be the same.

### Cleaning and Maintenance of the Freezer

1. Ice on the inside of the box should be removed as required, as it reduces the cooling capacity!  
Take the contents out of the freezer. Pull out the plug and leave the lid open until the ice can be removed. (Remember gloves).
2. Ice will form on the blue lids in the freezer. This ice should be removed with a scraper at regular intervals. (Remember gloves).
3. The ice formed on the inside of the lid should be removed with a wooden/plastic scraper. This ice will build up because of the low temperatures inside the box, and if it is not removed it will cause the lid to open.
4. Use neutral cleaning products. The use of alcohol, dissolvents and alkaline cleaning agents is prohibited.
5. Clean the outside of the freezer with a damp cloth. Be careful not to get damp (water) on the electrical parts, or water into the vent holes, as water and damp may damage the electrical parts and cause the freezer to short-circuit!
6. Dry the inner container with a cloth until it is not damp any longer!
7. Clean the vent holes on the rear condenser with a vacuum cleaner at least once a year (see the picture, down on the left).



**Note:**

Unplug the appliance before carrying out maintenance.

## Relocating or Moving the Freezer

Never leave the freezer to others without instructing these people in its use and the safety regulations described in the operating instructions. Always let an authorised electrician install the freezer. (Remember to wait for one hour before restarting it).

If the freezer and its electrical parts are reconstructed, the guarantee and safety regulations shall cease to apply.

**There is no guarantee for the contents of the freezer. There is a 1-year guarantee for functional parts related to the freezer.**

If the freezer does not work: Contact the manufacturer/distributor or an authorised service repair shop!

## Disposing of the Freezer:

To prevent harmful environmental effects, contact the distributor and ask where the freezer should be delivered.

Remove the lock / the locking function so that no one can be locked in the freezer.

## Spare parts:

When ordering spare parts that you can easily fit yourself, please give unit type number and the function of the part(s) concerned.

## Pin assignment of the No-volt remote alarm contact / alarm output:

