

OPERATING AND INSTALLATION INSTRUCTIONS FOR SIBIR FREEZERS

INTRODUCTION

We are pleased that you have chosen this freezer and hope you will derive much satisfaction from using it, but first a few well-meant words of advice:

It is important to read through these instructions carefully before using the freezer.

To ensure good refrigeration and economical operation, the freezer must be installed and used as described in these instructions.

The freezer is designed for operation in homes, locations, cottages, holiday homes, and chalets or similar.

TRANSIT DAMAGE

Inspect the freezer for damage. Transit damage must be reported to whoever is responsible for delivery not later than seven days after the freezer was delivered.

DATA PLATE

Check the data plate, inside of the freezer, to ensure that you have received the right model.

The right gas pressure is 28 - 30 mbar

The data plate contains e.g. the following details:

Product no.	9211600..
Model no.	S-230GF...
Serial no.
Voltagevolts
Wattagewatts
Fuel

Since these details will be needed if you have to contact service personnel, it is a good idea to make a note of them here.

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OPERATING INSTRUCTIONS

CONTROLS

All references are to fig. 1.

The controls are located at the bottom of the left hand front corner of the freezer.

Depending on the model, the freezer can run on 240 V, 230 V, 220 V, 127 V, 110 V, LP Gas or as indicated on the data plate. The method of operation is selected by connecting the appropriate energy source.

The freezer temperature is controlled by a thermostat (A). The off position of the thermostat will only switch off the fridge if it is used with electricity.

The safety valve (B) is used to automatically switch off the gas supply to the burner when the flame dies. This valve is also used whenever the gas operation has to be terminated.

The flame indicator (C) indicates whether the flame is burning or not.

The piezo igniter (D) is used to light the gas. When the button (D) is pressed, sparks are generated at the burner.

STARTING THE FREEZER

Caution! Only use one source of energy at a time

All references are to fig. 1.

LP Gas operation

After initial installation, servicing, or changing gas cylinders etc., the gas pipes may contain some air, which should be allowed to escape by briefly pressing the flame failure device button (B). This will ensure that the flame lights immediately.

Ensure that the freezer is level before starting up. Place the spirit level supplied, on the bottom of the freezer tank to confirm whether it is level. A level floor will ensure that the fridge is level.

To start gas operation:

1. Open the shut off valve of the gas bottle (check that there is enough gas). Open any on board shut-off valve.
2. Check for leaks at the connection with a soap solution.

3. Check that the electricity supply is switched off at the main supply.
4. Set the thermostat knob (A) to the coldest setting (turn clockwise).
5. Press the flame failure device button (B) and turn it to the open position (turn anti – clock wise).
6. Keeping the flame failure device button (B) pressed, press the igniter (D) repeatedly until the flame ignites. This will be indicated by the needle of the flame indicator (C) that will start rising.
7. Keep the (B) button pressed for a further 10 to 15 seconds and then release it.

To terminate gas operation, close the shut off valve of the gas bottle and close any on board shut off valves.

Mains electricity Operation

Before switching on the freezer, check that the voltage stated on the data plate is the same as the main voltage in use.

1. Turn off gas operation when applicable.
2. Switch on the main supply to the freezer.
3. Set the thermostat knob (A) to the coldest setting (turn clockwise).

REGULATING THE TEMPERATURE

All references are to fig. 1.

It will take a few hours for the freezer to reach normal operating temperature. So we suggest you start it well in advance of loading it and if possible store it with precooled foodstuffs.

Turning the thermostat knob (A) in a clockwise direction will result in a colder temperature as desired.

FOOD STORAGE

Always keep food in closed containers. Never put hot food in the freezer, allow it to cool first.

Never keep items in the freezer, which might give off flammable gasses.

The freezer is intended for the storage of frozen food and for making ice.

Most kinds of food can be stored in the freezer for about a month. This period of time may vary,

and it is important to follow the instructions on the individual packets.

Never put bottles or cans of fizzy drink in the freezer during normal operation as they might burst when freezing.

When using this freezer as a bottle cooler the thermostat setting must be adjusted to prevent bottles from freezing.

DEFROSTING

Frost will gradually accumulate on the freezer and evaporator surfaces. It must not be allowed to grow too thick as it acts as an insulator and adversely affects freezer performance.

Check the formation of frost regularly every week and when it gets about 5 mm thick, defrost the freezer.

To defrost the freezer, turn it off and remove all food items, leave the freezer lid open. **Warning:** normally the temperature of items of frozen foods would rise unduly during defrosting and they should be consumed within 24 h or discarded.

Do not try to accelerate defrosting by using any kind of heating appliance, as this might damage the plastic surfaces of the freezer. Neither should any sharp objects be used to scrape off the ice.

Defrost water should be mopped up with a cloth.

When the ice has melted, wipe the freezer dry and restart it. Place the food items back inside but wait until the freezer is cold before making ice cubes.

Some units are fitted with a drainpipe on the right hand back corner of the inner tank. Remove the cap and water will drain to the outside.

CLEANING THE FREEZER

Clean the inside of the freezer regularly to keep it fresh and hygienic.

Soak a cloth in a solution consisting of a teaspoon of bicarbonate of soda to half a litre of warm water. Wring out the cloth and use it to clean the interior of the freezer and fittings.

Never use detergents, scouring powder, strongly scented products or wax polish to clean the interior of the freezer as they may damage the surfaces and leave strong odour.

The exterior of the freezer should be wiped clean now and again, using a damp cloth and a small quantity of detergent. But not the lid gasket, which

should only be cleaned with soap and water and then thoroughly dried.

TURNING OFF THE FREEZER

If the freezer is not to be used for some time:

1. Close the shut off valve of the gas bottle and close any on board shut off valves.
2. Switch off the main electricity supply to the freezer
3. Empty the freezer. Defrost and clean it as described earlier.

IF THE 'FREEZER FAILS TO WORK

Check the following points before calling a service technician:

1. That the "STARTING THE FREEZER" instructions have been followed.
2. The freezer is level.
3. If it is possible to start the freezer on any of the connected sources of energy.
4. If the freezer fails to work on gas, check:
 - 1 That the gas bottle is not empty.
 - 1 That all LP gas valves are open.
 - 1 That the thermostat is not in the off position
5. If the freezer fails to work on the main electricity supply, check:
 - 1 That the appropriate of the main electricity supply voltage is connected to the freezer. See data plate for correct voltage.
 - 1 That the thermostat is not in the off position

If the freezer is not cooling sufficiently, the reason may be:

1. Inadequate ventilation of the cooling unit; see the paragraph PLACING THE FREEZER.
2. The evaporator is frosted up.
3. Incorrect thermostat setting.
4. Incorrect gas pressures – please check the pressure regulator on the gas container.

5. Incorrect electrical source – confirm that the main electrical supply is the same as that specified on the data label.
6. The ambient temperature is too high.
7. Too much food is loaded at one time.
8. More than one source of energy is used at the same time.

If the freezer still does not work properly, call a service technician.

The sealed cooling system must not be opened, since it contains corroding chemicals under high pressure.

MAINTENANCE

Always turn to a qualified Sibir Service agent who is familiar with LP gas systems and freezers.

We recommend that a service technician check the freezer once a year.

- 1 Check all connections in the LP gas system for gas leaks. Connections can be tested for leaks using a soap solution. **Do not use a naked flame!**
- 1 Check that the burner is clean and free from combustible material.

SOME USEFUL HINTS

Make sure that:

- 1 Defrosting is carried out periodically.
- 1 The freezer is clean and dry with the lid left open when it is not to be used for some time.
- 1 Liquids or items with a strong odour are well packed
- 1 There is free air circulation over the cooling unit at the rear of the freezer.

SERVICE

Service and spare parts are obtained from your dealer or Sibir – consult the telephone directory.

TECHNICAL DATA

Overall dimensions, freezer	
Height	850 mm
Width	1156 mm
Depth (incl. cooling unit)	750 mm

Capacity

Gross	230 litres
Weight (without packing)	74 kg
Electrical data	
Input all Voltages	350 Watt
LP Gas data	
Input, max.	36 g/hour
Rating	490 Watt
Pressure	28 – 30 mbar
Category	I ₃ (BP 30) Propane/Butane (50/50) & I ₃₊ (28-30/37)
Jet size	"2"
Cooling medium	Ammonia

INSTALLATION INSTRUCTIONS

This appliance shall be installed in accordance with the regulations in force

PLACEMENT OF THE FREEZER

The room should have a capacity (length x width x height) of at least 20m³ and must be adequately ventilated and be in accordance with all relevant national and local regulations.

The freezer must be used in a **well-ventilated** area, **above ground** and protected from **rain**.

The freezer may never be used in a basement

It is important that the freezer is not subjected to radiated heat from a stove, the sun etc. Do not place in front of a window.

For best results at high ambient temperatures there must be a free air circulation over the cooling unit at the rear of the freezer but not a draught. The freezer is designed for a freestanding installation and the clearance to the rear wall should be at least 100mm and to possible sidewalls should be at least 80mm. The cooling fins at the rear of the cabinet must not be covered. (Fig. 2)

The freezer should be placed close enough to a electrical supply so that the plug is assessable to be disconnected.

The freezer should be adjusted to be level from left to right as well as from the front to the back.

Place the spirit level supplied, on the bottom of the tank of the freezer to confirm whether it is level. A level floor will ensure that the fridge is level.

The freezer should always be kept away from inflammable materials.

LP GAS CONNECTION

The freezer is designed for operation on LP gas, the pressure of which must be as indicated in the table below. Check that this is stated on the Data plate.

Category	Type of gas	Pressure
I ₃ (BP 30)	Butane/Propane (50/50)	28 – 30 mbar
I ₃₊ (28-30/37)	Butane	29 mbar
	Propane	37 mbar

The LP Gas inlet connection of the freezer consists of an 8mm-gas supply pipe to take a compression fitting. This is located at the back of the freezer. The freezer should be installed in accordance with the regulations in force

The freezer is not designed for operation on town gas or natural gas.

CAUTION! CHECK THAT THE GAS SUPPLIED TO THE FREEZER IS AT THE CORRECT PRESSURE. SEE THE REGULATOR ON THE LP GAS CONTAINER.

A person experienced in gas fittings should only carry out the gas installation

On completion of installation, the system must be pressure tested by a qualified person.

ELECTRICAL CONNECTION


The electrical installation must be carried out in a proper and durable manner, taking into account all relevant regulations and codes of practice.

For connection to a mains electrical supply, the freezer has a 3-core mains lead which is intended for connection to a properly earthed plug and socket outlet.

As the colours of the wires in the mains lead of this appliance may not correspond with the coloured markings identifying the terminals in your plug, proceed as follow:

- the wire which is coloured Green and Yellow must be connected to the terminal in the plug which is marked with the letter E or by the



Symbol , or coloured Green or Green and Yellow,

- the wire which is coloured Blue must be connected to the terminal which is marked with the letter N or coloured Black,
- the wire which is coloured Brown must be connected to the terminal which is marked with the letter L or coloured Red.

WARNING- THIS APPLIANCE MUST BE EARTHED

If the supply cord is damaged, the manufacturer, its service agent or a similarly qualified person must replace it, in order to avoid a hazard.

IMPORTANT

The wires in this main lead are coloured in accordance with the following code:

- Green/yellow earth
- Blue neutral
- Brown live

Electrical leads must be routed and secured so that they cannot come into contact with hot or sharp parts of the freezer.