



INVERTER CHEST FREEZER

USER MANUAL



IMPORTANT

Please read this Owner's Manual carefully before using your freezer. Keep in a safe place for future reference.

Thank you for choosing  **BRÜHM**.

Contents

Important Safeguards	1-2
Product Description	2
Control Panel	2
Freezer Installation	3
Energy Saving Tips	3
Operating Your Freezer	4
Cleaning and Maintenance	5
Defrosting	6
Useful Hints	7
Troubleshooting	7-8

This appliance is for commercial use, the suitable climate class is 5, means ambient temperature: 40°C, relative humidity: 40°C

DANGER

AVOID THE RISK OF CHILD ENTRAPMENT.

BEFORE THROWING AWAY AN OLD REFRIGERATOR OR FREEZER, TAKE OFF THE DOORS/LIDS AND REMOVE THE SHELVES SO THAT CHILDREN CANNOT GET TRAPPED INSIDE.

Important Safeguards

Read all instruction before using this appliance

When using this appliance, always exercise basic safety precautions, including the following:

- 1) Use this appliance only for its intended purpose as described in this guide.
- 2) Remove all packaging before commencing freezer operation.
- 3) This freezer must be installed properly in accordance with the installation instruction before it is plugged in and used. See grounding instructions in the installation section.
- 4) This freezer is designed for free standing installation only and it should not be recessed or built in.
- 5) At least 7.5cm air space on top, sides and back of the freezer should be given. This allows air to circulate freely and helps to prevent condensation on the cabinet.
- 6) It is recommended that the freezer is cleaned before use as per the "Cleaning and Maintenance" in this manual.
- 7) Never unplug your freezer by pulling on the power cord. Always grip the plug firmly and pull it straight from the outlet.
- 8) Replace or repair immediately all electric service cords which may have become frayed or otherwise damaged. Do not use cord that shows cracks or abrasion damage along its length or at danger to children.
- 9) If your old freezer is still around the house but not in use, be sure to remove the doors to reduce the possibility of danger to children
- 10) Unplug your freezer before cleaning or before making any repairs. NOTE: We strongly recommend that any servicing or repairs be undertaken by a suitably qualified technician.
- 11) Do not refreeze any food which has been thawed.
- 12) Do not use any electrical devices or sharp instructions to defrost the freezer.
- 13) Food should only be placed inside the freezer 8 hours after the freezer has been turned on to avoid wasting power and over working the compressor.
- 14) Ensure that hot food is allowed to cool completely before freezing.
- 15) Do not overfill the freezer. Where possible, large blocks of meat should be cut and wrapped in smaller pieces. Space should be left between packages of food to enable air to circulate at all times.

- 16) Never place combustible, explosive or volatile liquid, gas or other materials in the freezer.
- 17) Do not install the freezer in the vicinity of any combustible, explosive or volatile liquids/gases.
- 18) Do not put water directly into the tank of the freezer.

Product Description

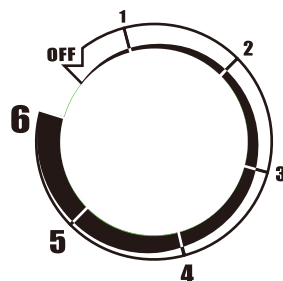
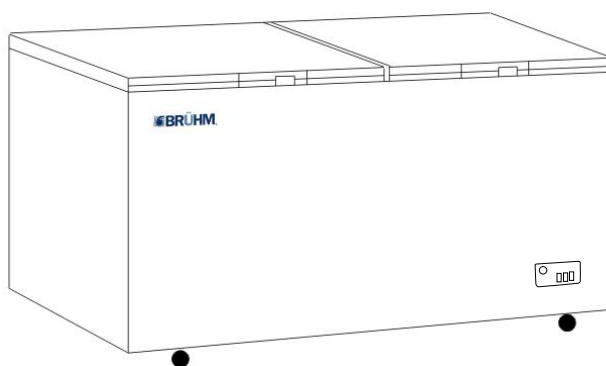


Fig. 1

Control Panel

The main functions of the electric control panel (Fig. 1) are:

- 1) The temperature control dial is numbered "1" to "6". This refers to the temperature on the inside of the freezer. The temperature is lowered by tuning the dial in a clockwise direction.
- 2) The temperature control dial numbered "OFF" is to turn off the cooling system.
- 3) If fast freezing is needed for articles, the "FAST FREEZE" switch should be turned on. Switch off when the articles are frozen. Do not fast-freeze for more than 4-5 hours, otherwise it's not good for the refrigerating system.

Freezer Installation

- 1) The freezer is designed for free-standing installation only.
- 2) The freezer should not be recessed or built in.
- 3) Install the freezer on a base strong enough to support it when fully loaded. Ensure the freezer is on a stable surface to minimize noise and vibration.
- 4) When moving the freezer, never tilt at an angle more than 45° as this could damage the compressor and freezer system. If the freezer is tilted over 45°, or has been stored on its side, allow the freezer to stand upright for at least 24 hours prior to plugging it back in. This will allow the refrigerant to settle.
- 5) Install the freezer in a well-ventilated area away from any heat source or direct sunlight. Air must be allowed to circulate freely to around the freezer. Allow at least 3inches (7.5cm) of clearance space for the top, back and sides.
- 6) Install the freezer in a dry place to prevent rust from forming on the compartment body and to avoid the risk of damaging the electric insulation.

Electrical Connection and Precautions

- 1) **IMPORTANT** – For personal safety, this appliance must be properly earthed.
- 2) The voltage range for this appliance is 130V-260V. In the event that your regional power supplier cannot meet this requirement, please use a safe and reliable automatic voltage regulator with a minimum output of 500W to avoid damaging the compressor.
- 3) A 13-Amp, 3-pin plug and 5-Amp fuse only must be used for this freezer to avoid serious damage.

It is safest to consult a qualified electrician at all times

- 4) In the event of an electrical short circuit, grounding reduces risk of electric shock by providing an escape wire for the electric current. This appliance is fitted with a cord having a grounding wire with a grounding plug. This plug must be plugged into an outlet that has been properly installed and grounded.
- 5) Consult a qualified electrician or service centre of the grounding instructions are not completely understood, or if any doubt exists as to whether the appliance is properly grounded.

Energy Saving Tips

- 1) Do not place your freezer next to a heating vent, cooker, in direct sunlight or in the vicinity of any other heat-producing source
- 2) Keep the door closed as much as possible, especially in hot and humid weather
- 3) Defrost the freezer every few months or when the frost becomes 6mm (1/4") thick or more
- 4) Cover foods securely to reduce moisture build up inside the freezer

Operating Your Freezer

Voltage Supply

To start your freezer it must be connected to a 130-260 volts, 50Hz A.C. power supply. Failure to do so may invalidate the guarantee.

Temperature/Cold Control

The temperature control dial has settings from “1” to “6”, where “6” is the coldest temperature setting. Tune the control knob to higher numbers for colder temperatures.

During extremely hot weather and frequent lid openings, it is advisable to select a higher setting to ensure that food remains frozen.

Initially, set the temperature control knob to the “3” setting by turning the knob in a clockwise direction. After 30 minutes, you should notice an obvious decrease in the interior temperature of the freezer.

Let the freezer to run for a further 12 hours before placing your food inside, allowing some space between items to allow air to circulate properly. After using the freezer for 24 hours, adjust the temperature control to the setting that is best suited to your need.

Power Cut

If you unplug your freezer or experience an electrical outage, ideally wait five minutes before plugging the appliance back in.

Food Basket

The freezer is equipped with a removable food basket for storing items at a higher level. Where food is dripping, place it into a tray before you start freezing, to prevent contaminating other food already in the freezer.

Lock and Key

Those freezers which have locks, allow you to secure the freezer contents from theft or to simply keep children out of the freezer.

To lock the lid, close the lid securely, insert the key into the lock and turn clockwise until the lid is latched and locked.

Cleaning and Maintenance

IMPORTANT

Before cleaning always switch off the freezer and remove the plug from the power supply

Part	How to Clean
Exterior	• Wash with warm water and a mild detergent, e.g. soap or dish washing liquid. • Rinse thoroughly, wipe clean and dry. • Do Not Use Harsh Cleaners or Abrasives. • Waxing is recommended if humidity is high to prolong the life of your freezer. Use a good quality car wax or appliance wax. Do Not Use Wax on Plastic Parts. • DO NOT USE BLEACH OR PETROL BASED PRODUCTS TO CLEAN YOUR FREEZER. • DO NOT PLACE HOT OR HEAVY OBJECTS ON THE SURFACE OF THE FREEZER TO AVOID DAMAGING THE SURFACE OR DEFORMING THE GASKET.
Interior	• Wash with a warm water solution containing either a mild detergent or baking soda (2 table spoons / 30g baking soda to 1 litre warm water) • Wipe clean and dry. • If the freezer is left empty and disconnected from mains for more than few days then help prevent odors by leaving an open box of baking soda in the freezer, changing it every 3 months. • DO NOT WASH ANY PLASTIC PARTS FROM THE FREEZER IN A DISHWASHER.
Lid Liner / Gasket / Food basket	• Wash only with warm water and a mild detergent. • Rinse and dry. • Liquids such oil and juice stick easily to the gasket – to clean, wipe with lukewarm water to extend the life of the plastic.

Defrosting

If the frost on the freezer walls reaches a thickness of 6mm or greater, the freezer requires defrosting. It should not be necessary to defrost the freezer more than once every few months and the defrosting process is best carried out when the stock of food is at a low level.

Defrosting

Before defrosting, turn the thermostat to the lowest temperature setting “6” for about four hours. This will enable you to remove any remaining food from the freezer at its lowest temperature. Food removed from the freezer should then be wrapped in several layers of newspaper and placed in a cold refrigerator. Remember that any rise in temperature will shorten the life of the frozen food considerably. Thawed food should not be re-frozen.

Once all food has been removed from the freezer, disconnect the power by removing the plug from the power source/socket.

To help remove the frost, use the plastic defrosting scraper provided. **DO NOT USE SHARP OR METALLIC INSTRUMENTS TO REMOVE THE ICE.** Defrosting usually takes a few hours. To defrost faster, keep the door open and place a bowl of warm water inside the freezer.

Draining the Freezer

Turn the inner plug in the bottom of the freezer compartment. Place a tray or other water receptacle beneath the outer drain dial/plug (front lower left of the freezer).

Pull the drain dial out and rotate it until the triangle points downwards. When done, return the triangle to the up position, push the dial back in, and replace the plug inside the freezer compartment.

Cleaning and Temperature Setting

Wipe the interior of the freezer and drain hole with a cloth or clean as described in the “Cleaning and Maintenance” section of this manual. Reinsert drain plug and plug the power cord back into the power source/socket.

Turn the temperature control to the desired setting.

Useful Hints

- If your freezer is to be out of service for any length of time, ensure that the interior is carefully clean and dry as per the “Cleaning and maintenance” instructions given in this manual. Leave the lid open and disconnect the plug from the power supply.
- Hot Foods should be allowed to cool before being placed inside the freezer.
- Don’t try to freeze too much fresh products at any one time.
- Carry out regular cleaning of the exterior as per the “Cleaning and Maintenance” instructions given this manual. This is important if the freezer is subject to high humidity and heavy condensation.

Safety Notes

- When disposing of an old freezer, ALWAYS remove the lid as safeguard against small children getting trapped inside.
- DO NOT store flammable or explosive substances in the freezer cabinet.
- DO NOT store any fizzy drinks in the freezer.
- DO NOT store any liquids contained in glass in the freezer

Troubleshooting

The table below provides some guidance to solving any apparent minor operating problems that might occur occasionally.

It is important to recognize that the following three situations are a part of the normal operation and use of the freezer:

- 1) There is a sound of liquid flowing in the system when the freezer is switched on. **THIS IS NORMAL AND IS THE SOUND OF THE REFRIGERANT FLOWING THROUGH THE SYSTEM.**
- 2) The exterior of the freezer is warm and the compressor is extremely hot and burns on touching. **THIS IS NORMAL.**
- 3) There is condensation on the surface. **THIS IS ESPECIALLY COMMON IN CLIMATES WITH HIGH HUMIDITY AND IS NOT A DEFECT. CLEAN THE CONDENSATION WITH A DRY CLOTH.**

Troubles/ Problems	Causes	Solutions
The temperature is not low	Temperature setting is not low enough. The freezer is in direct sunlight or close to a heat source. Too much food has been stored at one time. The door is being opened too often.	Turn dial to higher number setting. Change freezer location. Take off some food in the freezer Keep door closed for longer
Too much noise / vibration	The floor is not level. Too much dusts on motor fan	Change the position of the freezer until the noise level is reduced Clean the fan
The compressor works continuously	The Thermostat setting is too low	Turn the dial to increase the temperature.
Strong odors in the freezer	Spoilt food Food not wrapped correctly Interior requires cleaning No baking soda in place	Remove spoiled food from freezer and any other food it has been contact with. Ensure food with strong odor is tightly covered (freezer bags are best) Clean per "Cleaning and Maintenance" instructions. Place an open box of baking soda inside the freezer. Replace every 3 months.

IF PROBLEMS PERSIST, CONTACT AN APPROVED  SERVICE TECHNICIAN. ALWAYS USE A CERTIFIED TECHNICIAN / ELECTRICIAN.

Environment Friendly Disposal



*You can help protect the environment!
Please remember to respect the local regulations:
hand in the non-working electrical equipments to
an appropriate waste disposal center*

BRÜHM products are intended for household use only.

BRÜHM has policy of continuous improvement in product quality and design. The company, therefore reserves the right to change the specification of its model at any time.