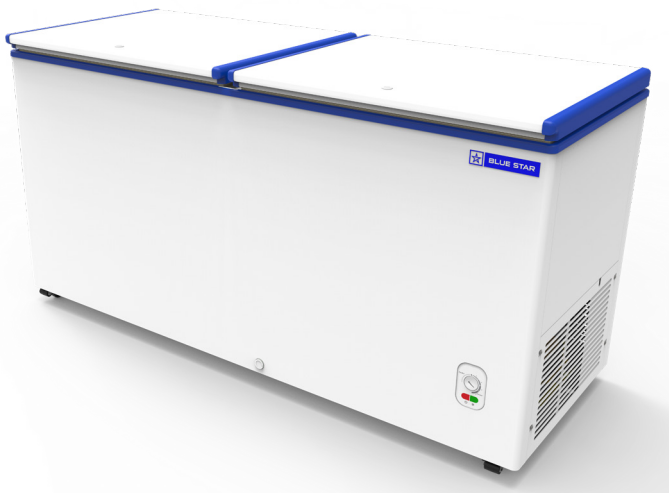




BLUE STAR

Chest Freezer

Models	CHFDD400MGP	CHFDD400MGP-00	CHFDD400MGP-99
	CHFDD500MGP	CHFDD500MGP-00	CHFDD500MGP-99



User's Manual



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Table of Contents

Letter from CEO	4
Safety Information	5
Product Features	9
Models Description	9
Installation & Operation	10
Operational DOs & DON'Ts	13
Maintenance	14
Troubleshooting	15
Customer Care	16
E-Waste Management	Back Page Inner



Letter from the CEO

Dear Customer,

Congratulations on the purchase of your new high performance and energy-efficient Blue Star product, one amongst the many world-class solutions that Blue Star manufactures and markets around the globe.

This superior product has been designed for optimum performance even under harsh ambient conditions. It has been manufactured with the best available materials, with stringent quality control measures undertaken during all the manufacturing processes. It has been tested under actual operating conditions in our factory labs to ensure that you get years of satisfactory and trouble-free performance.

We are confident that time and performance will justify the trust you have placed in this product.

This manual will help you get the best out of your machine. We urge you therefore to spare some time to go through it in detail.

In the unlikely event of your product running into a problem, kindly first check the Troubleshooting Chart contained in this manual. There may be a simple solution to the problem. If this does not help, please contact your nearest Blue Star dealer for expert assistance. You can also reach us on globalexpertservice@bluestarindia.com for any assistance.

We look forward to a long and mutually satisfying association with you.

With warm regards,

Dawood Bin Ozair,

Chief Executive Officer,

Blue Star International FZCO



Safety Information

Basic Safety Precautions

This guide contains many important messages. Always read and obey all safety messages.

▫ This is the safety alert symbol. It alerts you to safety messages that inform you of hazards that can kill or hurt you or others or cause damage to the product. All safety messages will be preceded by the safety alert symbol and the hazard signal word DANGER, WARNING, or CAUTION. These words mean:

- **DANGER** you will be killed or seriously injured if you don't follow instructions.
- **WARNING** you will be killed or seriously injured if you don't follow instructions.
- **CAUTION** Indicates an imminently hazardous situation which, if not avoided, may result in minor or moderate injury, or product damage only.

All safety messages will identify the hazard, tell you how to reduce the risk of injury, and tell you what can happen if the instructions are not followed.

Warning

1. This appliance conforms to current safety requirements. Improper installation, adjustment, alteration, service or maintenance or inappropriate use can, however, lead to personal injury and damage to property.
2. To avoid the risk of accidents and damage to the appliance, please read these instructions carefully before using it for the first time.
3. Keep these instructions in a safe place and ensure that other users including new users are familiar with the contents.
4. When positioning the appliance, ensure the supply cord is not trapped or damaged.
5. Do not locate multiple portable socket-outlets or portable power supplies at the rear of the appliance.
6. Do not modify the power cord length or sharing of outlet with other appliances and don't replace the power cord with the damaged or unspecified power cord. It will cause electric shock or fire. If the power cord is damaged, it should be replaced by authorised service person as specified by the manufacturer.
7. Plug-in the power socket properly. Loose plug-in causes electric shock or fire due to heat generation.



8. Do not switch ON/OFF the appliance with wet hands. It may cause electric shock.
9. Use only dedicated power socket for supply to the appliance. Do not use an extension cord; it may cause overloading and intermittent tripping of other appliances or household lights.
10. Never splash water on your appliance. It may cause short circuit.
11. In the event of an electrical short circuit, grounding (earthing) reduces the risk of electric shock by providing an escape wire for the electric current. In order to prevent possible electric shock, this appliance must be grounded. Consult a qualified electrician or service person if you have doubts on whether the appliance is properly grounded. Improper use of the grounding plug can result in an electric shock.
12. Never unplug your appliance by pulling on the power cord. Always grip the plug firmly and pull it straight out from the outlet.
13. When moving your appliance away from the wall, be careful not to roll over the power cord or damage it in any way.
14. Unplug the power cord from the outlet for cleaning or other requirements. Never touch it with wet hands because you can get an electric shock or be hurt.
15. Never damage, process, pull out, or twist the power cord, because damage of power cord may cause a fire or electric shock.
16. Do not place the lit candle within the appliance to deodorise. It may cause explosion or fire.
17. Do not store explosive substances such as aerosol cans with a flammable propellant in this appliance.
18. Do not use or store inflammable materials like ether, benzene, alcohol, medicine, LP gas, spray, cosmetics or aerosol cans with flammable propellant near or in the appliance. It may cause explosion or fire.
19. When any strange smell or smoke is detected from the appliance, disconnect the power plug immediately and contact the service centre, for it may cause fire.
20. The appliance should be so positioned that the supply plug is accessible for disconnecting quickly when an unexpected accident happens.
21. Do not use electrical appliances (e.g. an electric ice cream maker) inside the food storage compartments of the appliance.
22. Do not store cans or bottles containing carbonated drinks or liquids (which could freeze in the freezer mode). The cans or bottles could explode causing injury and damage to the appliance.



23. When the ambient temperature and relative humidity are high, there may be frost or water condensed on the appliance. It's a normal phenomenon, please wipe it with the dry towel.
24. This appliance is not intended for use by persons (including children) with reduced physical, sensory or mental capabilities, or lack of experience and knowledge, unless they have been given supervision or instruction concerning the use of the appliance by a person responsible for their safety. Children should be supervised to ensure that they do not play with the appliance.
25. Keep ventilation openings, in the appliance enclosure or in the built-in structure, clear of obstruction.
26. Do not use mechanical devices or other means to accelerate the defrosting process.
27. Do not damage the refrigerant circuit.
28. This appliance is intended to be used in household and similar applications such as
 - staff kitchen areas in shops, offices and other working environments;
 - farm houses and by clients in hotels, motels and other residential type environments;
 - bed and breakfast type environments;
 - catering and similar non-retail applications.
29. For assistance and/or additional information, contact the authorised service centre, sales & service dealer.

Caution

1. Before use, the appliance must be placed horizontally and on a levelled base. Only by this way an unimpeded circuit of the refrigerant and optimum function can be ensured.
2. When your appliance is in operation, do not touch the cold surface in the cabinet, particularly with your hands that are damp or wet. Skin could adhere to these extremely cold surfaces. It may cause frostbite.
3. Wait for 10 minutes or longer before reconnecting the plug. (It may cause the operation of the appliance to fail).
4. Do not install the appliance in a wet place or a place where water or rain splashes. (Deterioration of insulation of electrical parts may cause electrical leakage.)



5. Deep-frozen ice cream and ice lollies must be eaten only after a few minutes of being taken out from the appliance to avoid injury to lips and tongue (danger of skin detachment).
6. If you are not using the appliance for an extended period, leave the lid open to prevent odours building up inside. When the appliance lid is open, always set the lock in closed position and keep the key away from small children to prevent accidents.

WARNING : Technical safety



Risk of fire/flammable material

This appliance contains a small amount of propane refrigerant (R290), a natural gas that is environment-friendly. Though it is flammable, it does not damage the ozone layer and does not increase the greenhouse effect. When transporting and installing the appliance, care should be taken to ensure that no parts of the refrigerating circuits are damaged. Refrigerant squirting out of the pipes could ignite or cause an eye injury. In the event of eye contact with the refrigerant, wash your eyes instantly with plenty of running water and call/consult an eye specialist immediately. If a leak is detected,

- a) avoid any flames or anything which creates a spark,
- b) switch off at the mains and unplug the appliance,
- c) ventilate the room where the appliance is located for several minutes, and
- d) call Blue Star Ltd.

The room must be 1 cubic metre in size for every 8g of R290 refrigerant inside the appliance. The amount of refrigerant in your particular appliance is shown on the identification plate. The refrigerant charge quantities are as per international standards. Never start up an appliance showing any sign of damage. If in doubt, consult your dealer. The amount of refrigerant used in the appliance depends upon the size of the room where it will be installed. This can prevent creation of flammable gas and air mixture if a leak in refrigerating circuit occurs.



Product Features



Robust construction for heavy-duty use



High energy-efficiency compressor



Complete body in precoated G.I. steel for corrosion resistance



Spring-loaded hinges for trouble-free opening and closing of lid



Tropicalised for high subcontinental ambients



LED indicator for power function



Environment-friendly high density in situ PUF



Environment-friendly R290 Refrigerant



Uniform PUF thickness, close cells and positive sealing of gasket for high holding time

Models Description

Model No.	Model description	Lid	Dimensions (W x D x H)mm	Gross Volume (Litre)
CHFDD400MGP CHFDD400MGP-00 CHFDD400MGP-99	CHEST FREEZERS	DOUBLE	1440 x 670 x 855	400
CHFDD500MGP CHFDD500MGP-00 CHFDD500MGP-99	CHEST FREEZERS	DOUBLE	1640 x 670 x 855	470

* Due to continuous product development, colours, features are subject to change without prior notice.



Installation & Operation

Before the technician arrives, please ensure the following:

1. There is clear access to the area for new appliance installation and that it will fit into the space.
2. It is a dry, cool place with good ventilation to enable the appliance to work more efficiently.
3. There is a proper electrical power point (single phase, 220-240V, 6Amp, power socket with strong earthing) which should be 2 metres above the floor/ground level.
4. Someone responsible is at home/shop to sign for the installation.

If the customer is uncertain that the appliance installation can meet the requirements listed above, please contact respective dealer / distributor

Installation

Blue Star's dealer technician will carry out the installation of your Chest Freezer. However, for your general information, the following aspects need to be taken care of during installation:

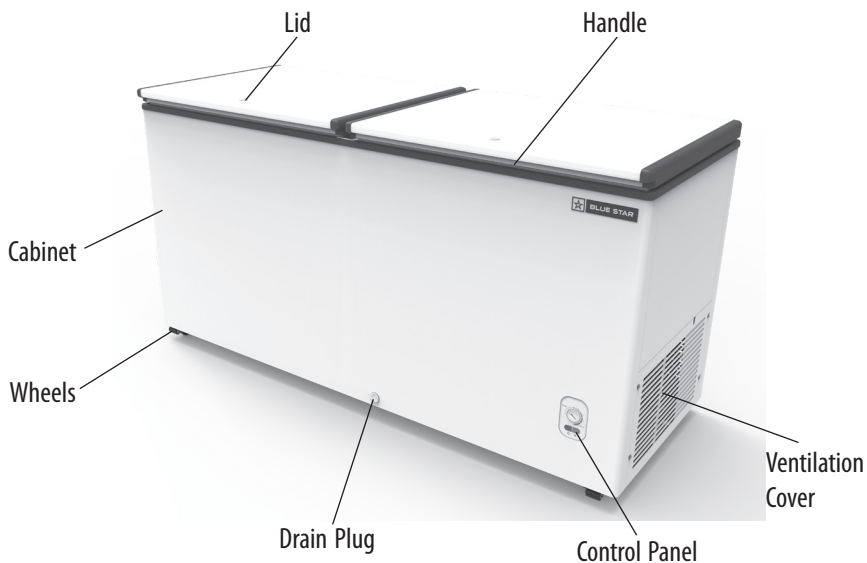
1. The appliance should be installed at a suitable site, on a good, firm and level surface.
2. Any floor unevenness should be corrected at the time of installation.
3. A gap of at least 14 inches (350mm) must be allowed on all sides to facilitate adequate air circulation on all sides of the cabinet.
4. The appliance is full of fluid/refrigerant that is used to cool it. In transit, it may get shaken around, so it is better to let it settle before it is plugged in.
5. Leave the appliance stand in the final position for at least 3 hours before switching it on, so that the refrigerant circuit stabilises and no operating problems occur.
6. The appliance should be connected to a single phase 220-240V/50Hz/AC supply by means of a three-pin plug, suitably earthed. The wires in the mains lead are coloured in accordance with the following code:
Green/Yellow : Earth **Blue/Black : Neutral** **Red : Phase**
7. It is recommended that the interior of the appliance be cleaned before putting it to use. Lukewarm water containing a little bicarbonate of soda, mixed in the proportion of 1 teaspoonful of bicarbonate to 500ml of water, should be used for the purpose.



8. The outside of the appliance should also be cleaned before startup with soft dry cloth.
9. Test the Propane freezer to make sure, there are no leaks of both refrigerant and electrical power.

Operation

- The red lamp lights up whenever the appliance is connected to live electricity supply.
- The green lamp indicates that the compressor is running or not. It goes off automatically when the temperature inside the cabinet reaches to set point as per thermostat knob setting.
- The thermostat can be found on the front side of the appliance.
- The thermostat knob can be used to set the desired temperature.
- The thermostat can be adjusted max ($-14.1^{\circ}\text{C}\pm 2^{\circ}\text{C}$) and min. ($-24^{\circ}\text{C}\pm 1.5^{\circ}\text{C}$) positions.



Note: To prevent temperature from being accidentally modified, the control is intentionally resistant to turning. To vary the setting, we recommend to use a coin or screwdriver.



Thermostat

Plug-in the appliance. Position of the thermostat knob at factory setting is in freezer mode to maintain -18°C inside the cabinet at standard test condition.

Temperature Selection

The temperature of the thermostat is set as described below:

When dial is between 1 and 6 positions, the temperature inside the cabinet can be adjusted from approximately $(-14.1^{\circ}\text{C}\pm 2^{\circ}\text{C})$ to $(-24^{\circ}\text{C}\pm 1.5^{\circ}\text{C})$

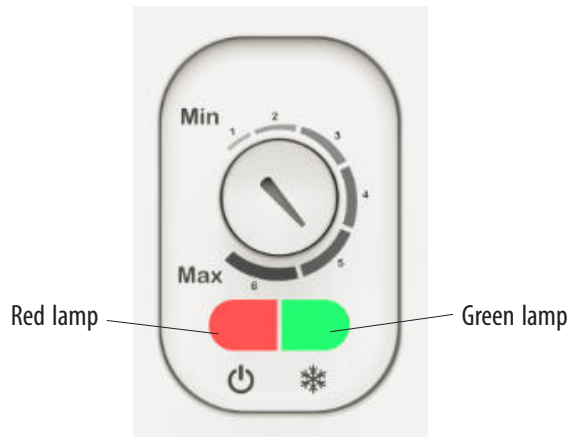
Temperature setting must be according to:

ambient temperature of the appliance

- quantity of stored food-items
- frequency & duration of lid opening

We recommend a factory setting.

You will soon learn which is the suitable setting for your requirements.



*The figure is indicative; it may vary from actual model

#Under standard test conditions, in controlled ambient temperature



Operational DOs & DON'Ts

DOs: (✓)

- Store only frozen products.
- Ensure that there is adequate air circulation on all sides and at the rear of your appliance.
- Carefully clean and prepare each item and wrap in polythene or place in waxed cartons.
- Keep the size of each package to a minimum. Square packages will utilise space more efficiently.
- Switch on the appliance at least 3 hours before operating.
- Clean the condenser with a blower every fortnight.

DON'Ts: (✗)

- Avoid placing unfrozen food items in contact with the food items previously frozen.
- Do not load the appliance with fresh produce in front. Frozen food items should be moved to the front, and therefore packages should be carefully labelled.
- Do not keep carbonated or any type of drinks in the appliance.
- Do not open the lid of the appliance unnecessarily or frequently.
- Do not load the appliance without any space. Some air space is necessary around the packs for efficient temperature maintenance.
- Do not turn the appliance 'On' immediately after turning it 'Off'; wait for at least 10 minutes.
- Do not move the appliance while it is in the 'On' state.
- Do not keep the appliance near heat sources, below a fan or in direct sunlight.

For the Safety of Customers:

If the user/customer smells a gas (in rare case):

1. Open windows.
2. Do not touch electrical switches.
3. Extinguish any open flame.
4. Immediately call freezer supplier/service centre.



Maintenance

Frosting

Small amount of frost will accumulate inside the appliance, depending upon the frequency and duration of the lid operation or the amount of moisture inside and relative humidity outside. It is essential to ensure that no frost or ice is allowed to form at places where it will affect the close fitting of the lid, which might allow air to penetrate the cabinet, thus encouraging continuous running of the compressor.

Removing frost

Thin frost formation is quite soft and can be removed with a brush or a plastic scraper.

- **Do not use metal or sharp scrapers which may lead to removal of paint from the surface of the cabinet.**

Remove all dislodged frost from the cabinet floor. For the removal of light frost, it is not necessary to switch off the appliance.

- **For removing heavy ice deposits, the appliance should be completely disconnected from the power supply and emptied.**

The contents should be placed in a cardboard box and wrapped in thick blankets or layers of paper to keep them cold.

Cleaning

Clean the inside with warm water mixed with a little bicarbonate of soda and then dry thoroughly. Wash all removable parts in the same way and reassemble. Do not forget to insert the drain plug.

Clean the condenser with the blower every fortnight.

Defrost Water Drainage Method

1. There is a water conduit at the bottom of the appliance; when defrosting, pull out the plastic cover; defrosted water will drip into the hole and flow out. (Note: Please keep the plastic cover safe during the defrosting and put it back after defrosting is done).
2. Pull out the water conduit by 20-25mm until the water hole can be seen.
3. Twist the water conduit until the arrow points downward.
4. After defrosting is done, make sure there is no more water coming out; then put the plastic cover back in place and make the arrow point upward.



Troubleshooting

Symptoms	Possible causes	Suggested remedies
The temperature in your appliance goes to -10°C or higher	a. The appliance is not turned on	<ul style="list-style-type: none"> • Check power supply and fuse • Check indicating lights are glowing
	b. The appliance is overloaded	<ul style="list-style-type: none"> • Remove some contents from appliance
	c. The lid is not closed properly	<ul style="list-style-type: none"> • Check there is no thick formation of ice on the sides of the appliance
	d. The thermostat is not set right	<ul style="list-style-type: none"> • Adjust the thermostat setting
	e. The unit is placed too close to walls	<ul style="list-style-type: none"> • Locate the unit properly
	f. The unit is placed near heat source	
	g. The condenser is choked	<ul style="list-style-type: none"> • Clean the condenser
The temperature in your appliance is too low	The thermostat setting is high, towards maximum	Adjust the thermostat at right setting

Note: If you are unable to resolve the problem, please contact the nearest dealer.



Customer Care

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E-Waste Management

Protect the Environment from E-Waste

This product at its end of usable life should not be mixed with household domestic waste or any general waste. It must be stored separately and disposed of through an authorised recycler of electrical and electronic appliance waste.

As guided by these rules, this product needs to be disposed of after its useful life in a scientific and prescribed manner. As a responsible citizen, we request your cooperation in helping conserve the environment for future generations.

DOs and DON'Ts

DOs:

- Run and maintain machine as per instructions given in the User's Manual.
- Engage only an authorised person to attend to repairs of your machine.
- Email on the customer care email id for assistance to dispose of your machine if required.
- Engage only an authorised person for uninstallation.
- Consult our local authorised distributor/dealer or email on the customer care email id to know the lifespan of your product.

DON'Ts:

- Do not try to repair/dismantle your machine by yourself.
- Do not engage any unauthorised person to repair/dismantle your machine or any of its parts.
- Do not sell or dispose of your machine or its parts to a local scrap dealer.
- Do not dispose of E-Waste in landfills or leave it outside unattended.
- Do not put the product to any other use post its end-of-life.



BLUE STAR

EXPERTS IN COOLING