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### Frigoglass VG1D 450 [R134a]

# Frigoglass Manual 5 Star Visi Cooler VG 450 Instruction Manual

## INTRODUCTION

Welcome to the instruction manual for your new Frigoglass Manual 5 Star Visi Cooler, model VG 450. This appliance is specifically designed for Indian climatic conditions, ensuring your products remain cool even in challenging environments. With state-of-the-art manufacturing and global expertise, this cooler is an ideal solution for your cooling requirements. This manual will guide you through the setup, operation, maintenance, and troubleshooting of your visi cooler.



Figure 1: Frigoglass Manual 5 Star Visi Cooler VG 450.

## SAFETY INFORMATION

Please read all safety instructions carefully before operating the appliance to prevent injury and damage. Keep this manual for future reference.

- This Frigoglass cooler is a safety-certified product.
- Ensure the cooler is placed on a stable, level surface to prevent tipping.
- Do not block ventilation openings in the appliance enclosure or in the built-in structure.

- Do not use mechanical devices or other means to accelerate the defrosting process, other than those recommended by the manufacturer.
- Do not damage the refrigerant circuit.
- Only qualified service personnel should perform repairs.
- Disconnect the appliance from the power supply before cleaning or maintenance.

# Safety complaint product

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Figure 2: Frigoglass products are safety compliant.

## PRODUCT OVERVIEW

The Frigoglass VG 450 Visi Cooler is designed for efficient and reliable cooling of beverages and other perishable items. Its robust construction and advanced cooling technology make it suitable for commercial use.

### Key Features

- Designed for high ambient climate conditions.
- Safety certified coolers.
- Adjustable Shelves for flexible storage.
- Dynamic cooling for uniform temperature distribution.
- Internal LED lighting for enhanced product visibility.

### Components Included

- Visi Cooler Unit
- Shelves (Adjustable)
- Internal LED Lighting (Pre-installed)



Figure 3: Front view of the Frigoglass Visi Cooler.



Figure 4: Side view of the Frigoglass Visi Cooler.



Figure 5: Illustrating the energy efficiency of Frigoglass coolers.

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Made  
for INDIA



Figure 6: Frigoglass coolers are designed and manufactured for the Indian market.

## SETUP

### Unpacking

Carefully remove the cooler from its packaging. Inspect for any shipping damage. Report any damage to your supplier immediately.

### Placement

- Place the cooler on a firm, level surface capable of supporting its weight (97 kg) when fully loaded.
- Ensure adequate ventilation around the cooler. Maintain at least 10 cm of space from walls or other objects on all sides (especially the rear) to allow for proper airflow and heat dissipation.
- Avoid placing the cooler in direct sunlight or near heat sources such as ovens, radiators, or heating vents, as this can affect cooling efficiency.

### Power Connection

- Ensure the power supply matches the cooler's requirements (220V).
- Plug the cooler into a dedicated, grounded electrical outlet. Do not use extension cords or adapter plugs.
- After plugging in, allow the cooler to stand for at least 2-4 hours before loading with products. This allows the refrigerant to settle.

## OPERATING INSTRUCTIONS

### Initial Startup

After the initial settling period, turn on the cooler. The internal LED light should illuminate, and you should hear the compressor start. Allow the cooler to run empty for a few hours to reach its operating temperature before loading products.

### Temperature Control

The cooler is equipped with a thermostat to control the internal temperature. Refer to the control panel (usually located inside or at the rear) to adjust the temperature setting according to your requirements. For optimal cooling, avoid setting the temperature too low unnecessarily, as this consumes more energy.

### Loading the Cooler

- Arrange products to allow for proper air circulation. Do not block the air vents inside the cooler.
- Utilize the adjustable shelves to optimize space for different product sizes.
- Avoid overloading the cooler, as this can hinder the dynamic cooling system and lead to uneven temperatures.

### Internal LED Lighting

The internal LED lighting enhances product visibility. It typically operates automatically when the door is opened or can be controlled by a switch, depending on the model.

## MAINTENANCE

Regular maintenance ensures the longevity and efficient operation of your Frigoglass Visi Cooler.

### Cleaning

- **Interior:** Clean the interior regularly with a mild detergent and warm water. Wipe dry thoroughly. Do not use abrasive cleaners or sharp objects.
- **Exterior:** Wipe the exterior surfaces with a soft, damp cloth.
- **Condenser Coils:** Periodically clean the condenser coils (usually located at the rear or bottom) with a brush or vacuum cleaner to remove dust and debris. This improves cooling efficiency and prevents overheating.
- **Door Gasket:** Clean the door gasket regularly to ensure a tight seal.

### Defrosting

The cooler is designed to minimize frost buildup. If significant frost accumulates, manually defrost the unit by unplugging it and leaving the door open until the frost melts. Place towels to collect water. Clean and dry the interior before restarting.

### Shelf Adjustment

The shelves can be easily removed and repositioned to accommodate different product heights. Lift the shelf slightly and pull it out. To reinsert, align with the desired slots and push firmly until secure.

## TROUBLESHOOTING

Before contacting service, please check the following common issues:

Problem	Possible Cause	Solution
Cooler not cooling	Power cord unplugged; Power outage; Thermostat set too high; Blocked air vents; Dirty condenser coils.	Check power connection; Check circuit breaker; Adjust thermostat; Clear obstructions; Clean condenser coils.
Internal LED light not working	Light switch off; LED bulb failure; Wiring issue.	Check light switch; Contact service for bulb replacement or wiring inspection.
Excessive noise	Cooler not level; Loose parts; Compressor issue.	Adjust leveling feet; Check for loose components; Contact service if compressor noise is unusual.
Water on floor	Drain pan overflowing; Clogged drain hose; Excessive humidity.	Empty drain pan; Clear drain hose; Ensure proper ventilation.

If the problem persists after attempting these solutions, please contact Frigoglass customer support.

## SPECIFICATIONS

Detailed technical specifications for the Frigoglass Manual 5 Star Visi Cooler VG 450:

Specification	Value
Brand	Frigoglass
Model Number	VG1D 450 [R134a]
Colour	Blue
Form Factor	Compact
Item Weight	97 kg
Product Dimensions (D x W x H)	57.6 x 65 x 206 cm (2.06 cm height is likely a typo, should be 206 cm or 2.06 meters)
Cooling Type	Compressor
Voltage	220V
Capacity	462 litres
Configuration	Single Door
BEE Star Rating	5 Star

## WARRANTY AND SUPPORT

Your Frigoglass Visi Cooler comes with a manufacturer's warranty. Please refer to the warranty policy document provided with your purchase for specific terms and conditions, including coverage period and claim procedures.

For technical assistance, service requests, or any inquiries regarding your product, please contact Frigoglass customer support:

- **Manufacturer:** Frigoglass Industries Pvt. Ltd.
- **Address:** Plot No. 26A, Sector-3, IMT Manesar, Gurgaon - 122050, India
- **Contact Information:** Please refer to your purchase documentation or the official Frigoglass website for the most current contact details.

When contacting support, please have your model number (VG1D 450 [R134a]) and purchase date ready.