

Glass Froster Instruction Manual



USGF-1L

Single Sliding Door,
4.9 Cu. Ft.



USGF-2L

Two Sliding Doors,
14 Cu. Ft.

This manual contains important information regarding your unit. Please read this manual thoroughly prior to equipment set-up, operation, and maintenance. Failure to comply with regular maintenance guidelines outlined in this manual may void the warranty.

IMPORTANT SAFEGUARDS

Please pay close attention to the safety notices in this section. Disregarding these notices may lead to serious injury and/or damage to the unit.



WARNING

DANGER: RISK OF FIRE OR EXPLOSION

- Flammable refrigerant R290 used.
- To be repaired only by trained service personnel.
- **DO NOT** use mechanical devices to defrost refrigerator.
- **DO NOT** puncture refrigerant tubing.
- **DO NOT** pierce or burn.
- **DO NOT** store in a room with continuously operating ignition sources (for example: open flames, an operating gas appliance or an operating electric heater.)

ATTENTION

- **DO NOT** overload outlet, to minimize shock and fire hazards
- **DESIGNATE** one outlet for your unit.
- **DO NOT** spray the unit with water
- **DO NOT** use extension cords.
- **DO NOT** put your hands under the unit when the unit is required to be moved.
- Remove all packaging from the unit, bottom to avoid fire.
- **DO NOT** allow children to climb, stand or hang on the shelves in the cooler. They could damage the unit and seriously injure themselves.
- **NEVER** store any flammable, explosive or corrosive liquid or gas in or near the cooler.
- If the voltage is unstable, please select a suitable automatic voltage regulator.
- **DO NOT** store or use gasoline or other flammable vapors and liquids in the vicinity of this or any other appliance.
- Setting the temperature controls to the 0 (zero) position does not remove power to the light circuit, perimeter heaters or evaporator fans.
- Servicing should be performed by an authorized service representative.
- **DO NOT** allow hard collisions or strong vibrations when in transportation.
- **DO NOT** allow the unit to incline greater than 45 degrees.
- **DO NOT** attempt to remove or repair any component.
- Make sure that the unit is not resting on or against the electrical cord or plug.
- **DO NOT** hang on the doors.
- **DO NOT** store any flammable and explosive gas or liquids inside the unit.
- **DO NOT** attempt to alter or tamper with the electrical cord.
- **DO NOT** set the desired temperature out of the recommended temperature range: 32°F - 50°F

UNPLUG UNIT

- **DO NOT** plug or unplug the cord with wet hands, to minimize shock and fire hazards
- **NEVER** pull the cord when unplugging unit, **ALWAYS** grasp by the plug.
- Before maintenance, repairs, and cleaning, please unplug the unit.
- When the unit is not in use for a long period of time, please unplug the unit from the outlet.
- After unplugging the unit, wait at least 5 minutes before re-plugging it. Failure to do so could cause damage to the compressor.

PROPER GROUNDING REQUIRED

- **CAUTION: DO NOT** connect grounding wire to a heating or gas pipe.
- To minimize shock and fire hazards, make sure that the unit is properly grounded.
- An individual single-phase socket must be used. It should be reliably connected to a grounding wire.

CLEARANCE

- **CAUTION:** Unit needs at least 8" (20 cm) from the cabinet to wall.
- Make sure that there is proper ventilation around the unit in the area where it will operate.
- **CAUTION** -Keep clear of obstructions all ventilation openings in the appliance enclosure or in the structure for building-in.
- Leave enough space from the wall to the cabinet and the ceiling; do not be sealed completely in the back part of the cabinet, prepare an air vent to the outside.

PROPER DISPOSAL OF EQUIPMENT

- **DO NOT** dispose of this appliance with household waste.
- Dispose of properly in accordance with Federal or local regulations.
- Your old appliances contain insulation gases and refrigerant that must be disposed of properly.
- Refer to local regulations regarding disposal of the appliance for its flammable gas.
- Before carrying out decommissioning procedure, it is essential that the technician is completely familiar with the equipment and all its detail. It is recommended good practice that all refrigerants are recovered safely. Prior to the task being carried out, an oil and refrigerant sample shall be taken in case analysis is required prior to re-use of recovered refrigerant. It is essential that electrical power is available before the task is commenced.

DANGER! RISK OF CHILD ENTRAPMENT

- Child entrapment and suffocation are not problems of the past. Junked or abandoned refrigerators are still dangerous even if they will sit for "just a few days." If you are getting rid of an old refrigerator, please follow the instructions below to help prevent a terrible accident.
- Before you scrap the appliance, please take off the doors to prevent children from being trapped.
- If this appliance is to replace an old one equipped with a lock, break or remove the lock as a safety measure to avoid children becoming trapped inside.
- Leave shelves in place to prevent children from easily climbing inside.

BEFORE INSTALLATION:

- Please read through the manual in its entirety.
- If the unit has recently been transported please let unit stand still for a minimum of 24 hours before plugging it in.
- Make sure that the desired temperature is reached before loading the unit product.
- Make sure all accessories are installed (i.e. shelves, shelf clips, casters) before plugging the unit in.
- Remove all the packaging (including carton and plastic wrap).
- Keep the cooler stable to avoid vibration and noise.
- The cooler should be installed in a place with good ventilation and a space of at least 8" (20 cm) should be allowed between the surrounding walls and the cabinet wall for air circulation.
- Unit should be placed far from any heating source to avoid decrease of refrigeration efficiency.
- Install the cooler in a dry place to prevent rust from forming on the compartment body, which may affect the electrical insulation.

CABINET LOCATION GUIDELINES:

- **Install the unit on strong and leveled surfaces**
 - * Unit may make abnormal noises if surface is uneven
 - * Unit may malfunction if surface is uneven
- **Install the unit in an indoor, well-ventilated area**
 - * Unit performs more efficiently in a well-ventilated area
 - * For best performance, please maintain clearance of 4" on the back of the unit
 - * Outdoor use may cause decreased efficiency and damage to the unit
- **Avoid installation in a high humidity and/or dusty area**
 - * Humidity could cause unit to rust and decrease efficiency of the unit
- **Select a location away from heat and moisture-generating equipment**
 - * High ambient temperatures will cause the compressor to overwork, leading to higher energy bills and gradual breakdown of the unit.

ELECTRICAL:

- Please ensure that the required voltage listed on the data plate is being supplied at all times.
- Low or high voltage can detrimentally affect the refrigeration unit.
- All units should be plugged into a grounded and properly-sized electrical outlet with appropriate over-current protection.
- Please refer to the electrical requirements on the nameplate.
- Please make sure that your unit has its own dedicated outlet.
- **DO NOT** use an extension cord.

TEMPERATURE CONTROLS

- The temperature controls are factory-set to maintain an average temperature of 38°F .
 - * **CAUTION: DO NOT** reset parameter.
 - * **CAUTION:** Setting the temperature control to the coldest setting may cause the evaporator coil to freeze and ice up. This will eventually result in a warmer cabinet temperature

LOADING PRODUCT

- The bin dividers have been installed at the factory for your convenience.
- The dividers are re-positional.
- To remove the bin dividers, push the divider towards the back wall until the front of the divider is removed from the positioning holes.
- To install, position the divider to the desired holes, making sure that the pressure spring is installed properly.
- **CAUTION:**
 - * PAY CLOSE ATTENTION TO THE LOAD LIMIT STICKERS LOCATED ON THE INTERIOR WALLS OF THE UNIT. **DO NOT** LOAD PRODUCT ABOVE THE LOAD LIMIT STICKERS OR ABOVE THE TOP CROSS BAR OF THE BIN DIVIDERS. LOADING PRODUCT ABOVE THE LOAD LIMIT STICKERS WILL HARM THE PERFORMANCE OF THE UNIT.

REGULAR MAINTENANCE

- **WARNING:** Disconnect power cord before cleaning any parts of the unit.

CLEANING THE CONDENSER COIL

- Dust collected on condenser coil will cause unit to malfunction. For efficient operation, it is important that the condenser surface be kept free of dust, dirt, and lint.
- Clean the condenser at least once a month with a vacuum, brush, or clean cloth.
- Clean with a commercial condenser coil cleaner, available from any kitchen equipment retailer.
- Take care not to bend the fins on the condenser.
 - * Brush the condenser fins from top to bottom, not side to side.
 - * After cleaning, straighten any bent condenser fins with a fin comb.

CLEANING THE FAN BLADES AND MOTOR

- Clean the fan blades and motor with a soft dry cloth.
- Fan blades only - If soil is resistant, then dampen the cloth with warm water and mild soap to clean the fan blades. Wipe dry with soft cloth.
- Avoid getting the fan motor wet - to prevent moisture damage, cover motor.

CLEANING THE INTERIOR OF UNIT

- When cleaning the cabinet interior, use a solvent of warm water and mild soap.
- **DO NOT** use steel wool, caustic soap, abrasive cleaners, or chlorine-based cleaners and sanitizers that may damage the stainless steel surface.
- **DO NOT** leave the liquid sitting inside of the unit. This will cause corrosion and will deteriorate the life of the unit.
- Clean door gaskets on a weekly basis.
 - * Door gaskets should be thoroughly wiped down, including the sides, weekly.
 - * Check door gaskets for proper seal after they are cleaned.
- Periodically, clean and wipe down the shelves with mild soap and warm water. Dry with a soft cloth.

TROUBLE SHOOTING

- Before requesting any service on your unit, please check the following points. Please note that this guide serves only as a reference for solutions to common problems.

SYMPTOM	POSSIBLE CAUSE	CORRECTIVE ACTION
Compressor not running.	Fuse blown or circuit breaker tripped.	Replace fuse or reset circuit breaker.
	Power cord unplugged.	Plug in power cord.
	Thermostat set too high.	Set thermostat to lower temperature.
	Cabinet in defrost cycle.	Wait for defrost cycle to finish.
Condensing unit runs for long periods of time.	Excessive amount of warm product placed in cabinet.	Allow adequate time for product to cool down.
	Prolonged door opening or door ajar.	Ensure doors are closed when not in use. Avoid opening doors for long periods of time.
	Door gasket(s) not sealing properly.	Ensure gaskets are snapped in completely. Check condition of gasket and clean or replace as needed.
	Dirty condenser coil.	Clean the condenser coil.
	Evaporator coil iced over.	Unplug unit and allow coil to defrost. Make sure thermostat is not set too cold. Ensure that door gasket(s) are sealing properly.
Cabinet temperature is too warm.	Thermostat set too warm.	Set thermostat to lower temperature.
	Air flow inside cabinet is blocked	Re-arrange product to allow for proper air flow. Make sure there is at least four inches of clearance from evaporator.
	Excessive amount of warm product placed in cabinet.	Allow adequate time for product to cool down.
	Fuse blown or circuit breaker tripped.	Replace fuse or reset circuit breaker.
	Dirty condenser coil.	Clean the condenser coil.
	Prolonged door opening or door ajar.	Ensure doors are closed when not in use. Avoid opening doors for long periods of time.
	Evaporator coil iced over.	
Cabinet is noisy.	Loose part(s).	Locate and tighten loose part(s).
	Tubing vibration.	Ensure tubing is free from contact with other tubing or components.

RETAIN THIS MANUAL FOR FUTURE REFERENCE

- Please read the entire manual carefully before installing and operating. If certain recommended procedures are not followed, warranty claims will be denied.

MODEL#:	SERIAL#:	PURCHASE DATE:

Notice: We reserve the right to make changes in design and specifications without prior notice.

REFRIGERATION WARRANTY

TWO (2) YEAR PARTS AND LABOR + FIVE (5) YEAR COMPRESSOR AND EVAPORATOR COIL

TWO-YEAR LIMITED WARRANTY

The Manufacturer warrants that the product is free from defects in materials and/or workmanship for a period of two (2) years from the later of the date of purchase by or delivery to the original owner, under normal use. Any parts covered by this warranty that are examined and determined to have been defective within two (2) years of original purchase shall be repaired or replaced as stated below. Shall be deemed to have fully complied with its obligation under the foregoing warranties by electing either one of the following procedures:

1. Furnishing a replacement part, freight collect, in even exchange for the returned part, freight collect.
2. Receiving the defective part, freight collect; repairing it; and returning it, freight collect.

FIVE-YEAR COMPRESSOR PART WARRANTY

The Manufacturer warrants that the product is free from defects in materials and/or workmanship for a period of five (5) years from the later of the date of purchase by or delivery to the original owner, under normal use.

- Compressors determined to have been defective within this extended time period will be either repaired or replaced with a compressor or compressor parts of similar design and capacity.
- The five (5) year compressor warranty applies only to hermetically and semi-hermetically sealed parts of the compressor and does not apply to any other parts or components, including, but not limited to, cabinet, paint finish, temperature control, refrigerant, metering device, driers, motor starting equipment, fan assembly any other electrical component, etc.
- The five (5) year compressor warranty detailed above will be voided if the following procedure is not carefully adhered to:
 1. This system contains R290 refrigerant and polyester lubricant. The polyester lubricant has rapid moisture absorbing qualities. If long exposure to ambient conditions occur, the lubricant must be removed and replaced with new lubricant. Failure to comply with recommended lubricant specification will void the compressor warranty.
 2. Dryer replacement is very important and must be changed when a system is opened for servicing. Dryer must be used with XH-9 desiccant.
 3. Micron level vacuums must be achieved to insure low moisture levels in the system. 500 microns or lower must be obtained.

WHAT IS NOT COVERED BY THIS WARRANTY

Obligation under warranty is limited to either repair or replacement of parts, subject to the additional limitations below. This warranty neither assumes nor authorizes any person to assume obligations other than expressly covered by this warranty.

1. **WARRANTY IS NOT TRANSFERABLE.** This warranty is not assignable and applies in favor of the original purchaser/user to whom delivered. Any such assignment or transfer shall void the warranties herein made and shall void all warranties, express or implied, including any warranty of merchantability or fitness for a particular purpose.
2. **NO CONSEQUENTIAL DAMAGES.** Not responsible for economic loss: profit loss or special, indirect, or consequential damages, including without limitation, losses or damages arising from food or product spoilage claims whether or not on account of refrigeration failure.
3. **ALTERATION, NEGLIGENCE, ABUSE, MISUSE, ACCIDENT, DAMAGE DURING TRANSIT OR INSTALLATION, FIRE, FLOOD, ACTS OF GOD.** Not responsible for the repair or replacement of any parts that have been subjected after the date of manufacture to alteration, neglect, abuse, misuse, accident, damage during transit or installation, fire, flood, or an Act of God.
4. **NO IMPLIED WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE.** There are no other warranties, express, implied or statutory, except the two (2) year warranty and the additional three (3) year compressor warranty as described above. These warranties are exclusive and in lieu of all other warranties, including implied warranty and merchantability or fitness for a particular purpose. There are no warranties which extend beyond the description on the face hereof.
5. **TRANSPORTATION COSTS.** Will accept parts covered under this warranty freight collect, provided that shipment has received prior approval. Not responsible for any other transportation costs but will ship freight collect parts either repaired or replaced under these warranties.
6. This equipment is intended for commercial use only and this warranty is void if equipment is used in a residential or non-commercial application.

This warranty covers products shipped into the 48 contiguous United States. Warranty coverage on products used in Hawaii, Alaska, Puerto Rico, and Canada cover parts only.

Equipment installed in/on a food truck or trailer will be limited to a period of 30 days from the original date of purchase.

This equipment is intended for commercial use only and this warranty is void if equipment is used in other than a commercial application. The Manufacturer does not recommend or authorize the use of any product in a non-commercial application, including but not limited to residential use. The use or installation of any product in non-commercial applications renders all warranties, expressed or implied, including the warranties of merchantability and fitness for a particular purpose, null and void, including any responsibility for damage, costs and legal actions resulting from the use or installation of products in any non-commercial setting.

The Manufacturer reserves the exclusive rights to change or modify this warranty statement or any part herein at any time without prior notice.

WARRANTY CLAIMS & SERVICE

For warranty and non-warranty related issues and technical support call at 877-368-2797.

Please have your model number, serial number and proof of purchase ready. It is not necessary to contact the place where you originally purchased your product from.