

UNIQUE UGP 6F

CHEST FREEZER

Installation and Owner's Manual

WARNING: Improper installation, adjustment, alteration, service or maintenance can cause injury or property damage. Refer to this manual. For assistance or additional information consult a qualified installer, service agency or the gas supplier.

!SAVE THESE INSTRUCTIONS!

FOR YOUR SAFETY IF YOU SMELL GAS

- Open windows.
- Do not touch electrical switches.
- Extinguish any open flame
- Immediately turn off gas supply and call your gas supplier
- Do not store or use gasoline or other flammable vapors and liquids in the vicinity of this or any other appliance

FOR YOUR SAFETY

If you smell gas:

1. Evacuate enclosure
2. Call professional for help



The installation of the appliance must conform with local codes or, in the absence of local national Fuel Gas Code, ANSI Z233.1 and in Canada B149.2 Propane Storage and Handling Code



UNIQUE®

MANUFACTURED AND CERTIFIED BY

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Welcome & Congratulations

Congratulations on your purchase of a **UNIQUE** Freezer!. We are very proud of our product and we are completely committed to providing you with the best service possible. Your satisfaction is our #1 priority. Please read this manual very carefully. It contains valuable information on how to properly maintain your new gas freezer.

We know you will enjoy your new freezer and Thank You for choosing one of our Unique Gas Products. We hope you will consider us for future purchases.

PLEASE READ AND SAVE THESE INSTRUCTIONS

This manual provides specific operation instructions for your model. Use your freezer only as instructed in this manual. These instructions are not meant to cover every possible condition and situation that may occur. Common sense and caution must be practiced when installing, operating and maintaining the appliance

Please record your model and serial # shown below for future reference. This information is found on your CSA rating/serial plate at the side of your freezer.

Please mail in the **Warranty Registration Card** included with your freezer.



Safety and Warnings

If you smell gas

- Open Windows
- Don't touch electrical switches
- Extinguish any open flame
- Immediately call your gas supplier



For your Safety

- Do not store or use gasoline or other flammable vapors and liquids in the vicinity of this unit or any other appliance

Warning

- Improper installation, adjustment, alteration, service or maintenance can cause injury or property damage. Refer to this manual. For assistance or additional information consult a qualified installer, service agency or the gas supplier.
- This product can produce Carbon Monoxide. Carbon Monoxide has no odour and can kill you. The burner and flue system must be kept clean. See owner's manual for cleaning instructions.
- Electrical Grounding Instructions: This appliance is equipped with a three-prong (grounding) plug for your protection against shock hazards and should be plugged directly into a properly grounded three-prong receptacle. Do not cut or remove the grounding prong from this plug
- Provide ample ventilation, especially when sleeping. This freezer "consumes air" (oxygen). Do not use this Freezer in unventilated structures to avoid endangering your life. Provide additional ventilation for any additional fuel-burning appliances and additional "occupants."

Installation Instructions

- The installation of the appliance must conform with local codes or, in the absence of local national Fuel Gas Code, ANSI Z233.1 and in Canada B149.2

Installation and Operating Instructions

Installation

For best performance at high ambient temperatures, there must be free air circulation over the cooling unit at the rear of the freezer.

Ensure that there is a free air space above the freezer and that the flue (chimney) on top of the cabinet is not covered in any way. Do not place the freezer in a space where air circulation is restricted. Follow “clearance” instructions.

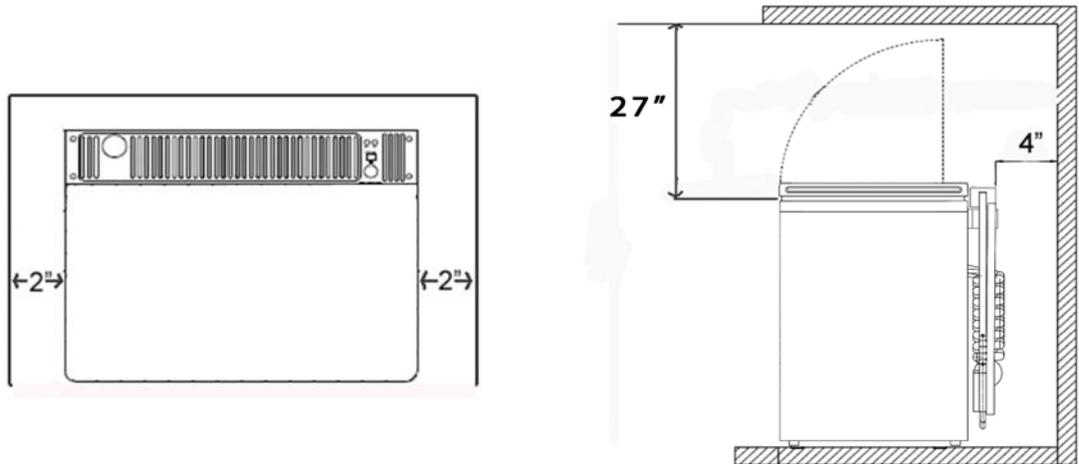
This free-standing freezer requires accessibility to the back for servicing the gas equipment, which can be obtained by using a certified Flexible Metal Connector to allow the freezer to be withdrawn without disrupting the gas supply. “Where a flexible metal connector is used, it must comply with local authorities and in Canada with the provisions of the current Standard CAN 1-6.10, Metal Connectors for Gas Appliances”. However, if the Local Authorities require a rigid gas supply connector, the freezer should be located with sufficient space at the back for servicing or, if located against a wall a removable panel of a minimum size of 16” x 20” should be provided in the wall to allow access to the rear of the freezer. **If you purchased a CM (CO Monitor model) you must follow instructions in Section 7 - 5.0 onward.**

While using on electrical operation this unit can be used in an enclosed area but must still be protected from moisture as comply with all clearances.

For installation, proper clearances from combustible material to the freezer, the following minimum clearance must be observed.

Clearances

Minimum clearances to combustibles are: **Top 27"**, **Sides 2"**, **Rear 4"**



Note: DO NOT install the appliance directly on carpeting. Carpeting must be removed or protected by a metal or wood panel beneath the appliance, which extends at least the full width and depth of the appliance.

Keep appliance area clear and free from combustible materials, gasoline and other liquids with flammable vapors.



WARNING— DO NOT USE FLAME TO CHECK FOR GAS LEAKS

Gas Connection

Hook-up to the gas supply line: 3/8" SAE (UNF 5/8" - 18) male flare connection. A backup wrench must be used when tightening gas supply fitting. All completed connections should be checked for leaks with a non-corrosive leak detector and/or soap and water for a bubble check.

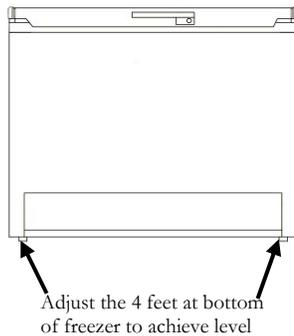
The gas supply system must incorporate a pressure regulator to maintain a supply pressure of not more than 12" water column and no less than 11" water column. (Max setting)

Make sure the freezer and any other high BTU appliances on your line are turned on when checking the gas pressure. The appliance and its individual shut-off valve must be disconnected from the gas supply piping system during any pressure testing of that system at pressures in excess of $\frac{1}{2}$ " psig.

If detailed instructions on the installation and connection of the gas supply are required, contact your dealer or distributor.

Levelling

Ensure the freezer is leveled by using a 2ft level; the operation of this unit uses an absorption system which requires the appliance to be level in order to operate effectively.



General Operating Instructions

Importance of Leveling a Freezer

The freezer must be adjusted to a vertical position in both directions. In an absorption refrigeration system, ammonia is liquefied in the finned condenser coil at the top rear of the freezer. The liquid ammonia then flows into the evaporator (inside the freezer) and is exposed to circulating flow of hydrogen gas, which causes the ammonia to evaporate, creating a cold condition in the freezer.

When starting this freezer, the cooling cycle may require up to 8 to 12 hours of running time to begin cooling before the cooling unit is fully operational, you can then begin slowly loading the compartment.

The tubing in the evaporator section is specifically sloped to provide a continuous movement of liquid ammonia, flowing downward by gravity through this section. If the freezer is operated when not level, liquid ammonia will accumulate in sections of the

evaporator tubing. This will slow the circulation of hydrogen and ammonia gas, or in severe cases, completely block it, resulting in a loss of cooling. Warranty will not cover recharge/rebuild if caused by not running the freezer level.

This freezer operates LP Gas (Propane), 110V (Electricity)

Note: After changing an LP tank, or after a long shut off period, the gas line is likely to be filled with air. You may have to repeat the lighting procedure several times to purge the air out of the gas lines. We suggest first turning off gas at the control panel, then the tank, this will reduce an air trap in the gas line.

Gas Operation

“Start Up” Procedure

Electronic Ignition (battery)

1. To start the freezer, turn the thermostat knob **E** to maximum setting, #4.
2. Turn button **G** to “Gas” position, then push **B** button in first and hold, proceed to push in and hold the **D** button until you see the needle on the flame sensor **C** moving from the red into the green area. Release the **B** button, while continuing to hold in the **D** button for an additional 10-15 seconds, now release the **D** button. The burner should now stay on indicated by the needle staying in the green area, if not repeat the lighting instructions above.
3. Adjust the thermostat knob **E** to desired temperature setting after 8 or more hours of operation.
4. To change the battery in the electronic ignition, turn the far left knob **A** to the left to expose the battery, remove AAA battery and replace with a new one, positive outwards, replace the knob by turning to the right to close.

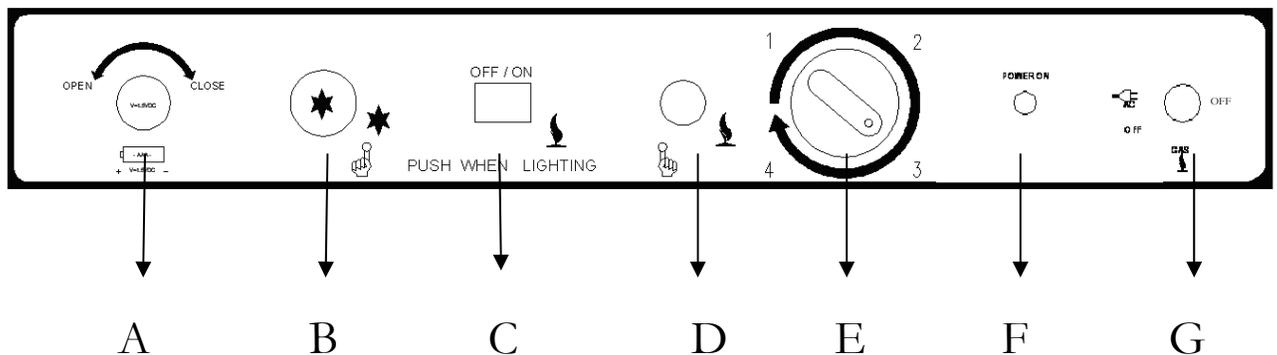
Shut Down Procedure – Gas Operation

1. Turn selector knob **G** to the **OFF** position
2. Shut the gas off at the LP-gas supply cylinder when the appliance is not in use.
3. If the freezer will not be in operation for a period of weeks, it should be emptied, defrosted, cleaned and the door left open.

110V Operation

1. Ensure the electrical cord is plugged into a grounded outlet
2. Turn the selector switch **G** to AC position, AC power indicator **F** will illuminate
3. Turn the thermostat knob **E** to maximum setting, #4.
4. Adjust the thermostat knob to desired temperature setting after 8 or more hours of operation.

Figure#1



Thermostat

The freezer cooling temperature is controlled by a combination thermostat that can be adjusted by turning knob “E” to different settings to maintain the desired freezer temperature when operating on either gas or 110V. Knob “D” also incorporates a safety device which automatically shuts off the supply of gas if the flame goes out. The electric igniter “B” discharges sparks onto the burner when the button is pushed. *See Figure #1*

1. **“MAX” Setting of the Thermostat:** In gas operation, the thermostat allows the burner to remain on high flame continuously (turn clockwise fully). In 110V operation the element will stay on until the desired temperature is reached, then cycle off. When the interior of the freezer warms up, the element will cycle back on.
2. The thermostat can be adjusted between “1” and “4” to obtain the desired freezer temperature. When the thermostat reaches the set temperature, it will reduce the burner back to bypass operation or shut the element off in 110V operation.
3. The freezer will stay on minimum when setting 1 is selected or when the thermostat knob is turned fully counter clockwise. This setting can be used if you’re looking to use the freezer as a refrigerator. Be aware that if the ambient temperature surrounding the

appliance drops below 60F (15.5 C) the freezer will get colder inside and could freeze the product inside.

How to Use the Freezer

FROZEN FOOD STORAGE COMPARTMENT

This compartment is not designed for deep or quick freezing of food. Meat or fish, whether raw or prepared, can be stored in the frozen food storage compartment provided they are pre-cooled in the freezer. To prevent food from drying out, keep it in covered dishes, containers, plastic bags or wrapped in aluminum foil.

Defrosting

Frost will gradually accumulate inside the freezer surfaces. It must not be allowed to grow too thick as it acts as an insulator. Check the formation of frost every week and when it exceeds 1/2" thick, or when the performance of the freezer is impaired, defrost the freezer.

Shut off and empty the freezer, leaving the freezer lid open.

When all frost is melted in the freezer it should be wiped up with a clean cloth.

DO NOT USE A HOT AIR BLOWER, KNIFE, ICE PICK, OR ANY OTHER SHARP TOOLS TO REMOVE FROST FROM THE FREEZER COMPARTMENT. PERMANENT DAMAGE COULD RESULT

FREEZER SECTION – REMOVE PLEASE

Cleaning

Cleaning the freezer is usually done after it is defrosted or put into storage. To clean the interior liner of the freezer, use a lukewarm water and weak soda solution.



Never use strong chemicals or abrasives to clean these parts as the protective surfaces will be damaged. It is important to always keep the freezer clean. Dishwasher detergent is recommended

Maintenance & Service

The user should be aware of service that must be done on a regular schedule to keep the freezer operating properly. **Installation must be by a licensed gas fitter in accordance with local codes or must comply with Propane Installation Code B149.2 (latest edition)**

- Keep appliance area clear and free from combustible materials, gasoline and other liquids with flammable vapors.
- Do not obstruct the flow of combustion and ventilation air, ensure clearances are followed.

FREEZER REMOVAL

Before working on the freezer, shut off the gas supply. Disconnect the gas supply line at the rear of the freezer. Always use a backup wrench when loosening and tightening this connection. Disconnect freezer from 110V source.

Warning: To avoid electrical shock always unplug your freezer before cleaning. Ignoring this may result in injury.

PERIODIC MAINTENANCE

Before working on your freezer, shut off the gas supply. Disconnect the gas line at the rear of the freezer. Always use a back up wrench when loosening and tightening this connection.

To keep your freezer operating effectively and safely, inspection and cleaning of several components is recommended once or twice a year, sometimes more often depending on environment.

- It's important to keep the area at the back of the freezer clean. Clean the coils on the back of the freezer. Use a soft bristled brush to dust off the coils.



Note: The following maintenance is required at least once or twice a year at least, more often based upon usage/environment.



- Check all connectors in the complete freezer LP gas system for gas leaks. The LP gas supply must be turned on. Apply a non-corrosive bubble solution to all LP connections. The appearance of bubbles indicates a leak and should be repaired **immediately** by a qualified serviceman.



WARNING – DO NOT USE FLAME TO CHECK FOR GAS LEAKS

PROCEDURE FOR CLEANING THE COOLING SYSTEM FLUE

WARNING: Carbon Monoxide can be hazardous to your health. Gas appliances may emit excessive Carbon Monoxide if the freezer's burner, burner orifice, and the flue tube are not regularly cleaned. To prevent Carbon Monoxide, the burner, burner orifice, and the cooling system's flue tube must be cleaned at least once a year and after all prolonged (seasonal) shut-down periods. Refer to the following cleaning procedures, or contact a qualified installer or your dealer for more information

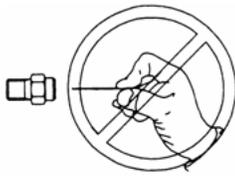
1. Before cleaning, cover the burner to protect it from dirt;
2. Remove the freezer from its enclosure.
3. Remove the spiral flue baffle from the flue tube.
4. Using a stiff brush or fine emery cloth, clean the spiral flue baffle of debris.
5. Clean the inside of the flue tube with the flue brush provided. Inspect burner after cleaning.
6. Re-install the spiral flue baffle. Insure the spiral flue baffle is securely in place. The spiral flue baffle is required for efficient cooling while operating in the gas mode.

CLEANING AND INSPECTION OF THE BURNER

Take off the burner cover and do the following:

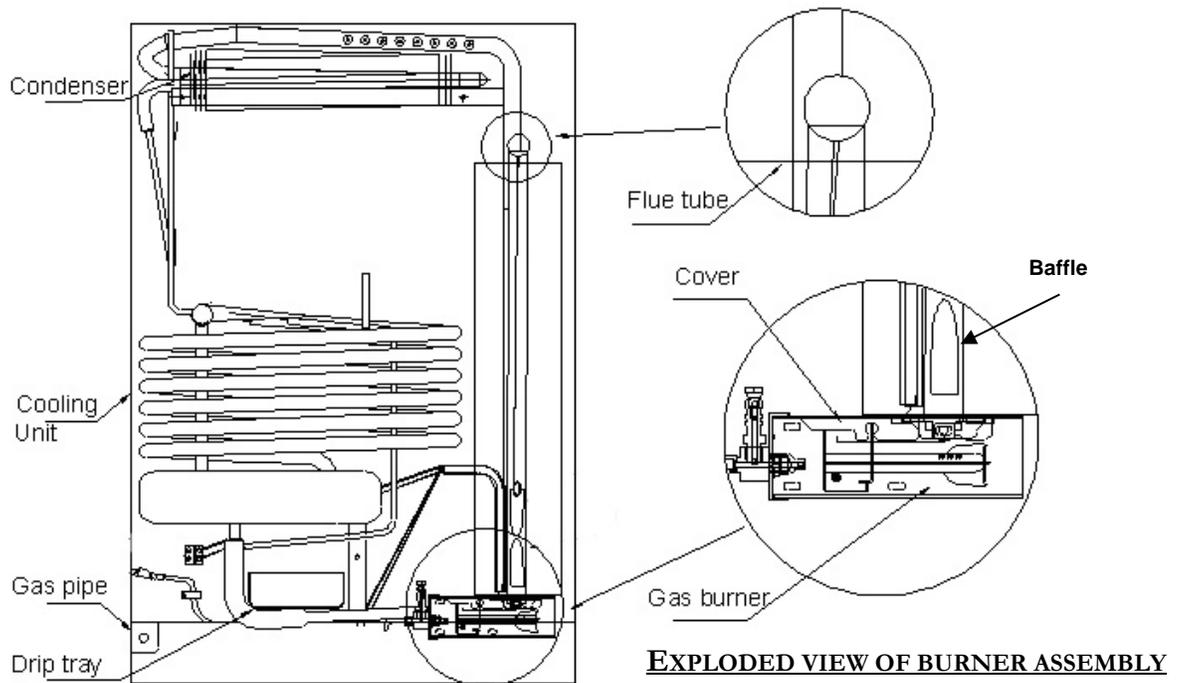
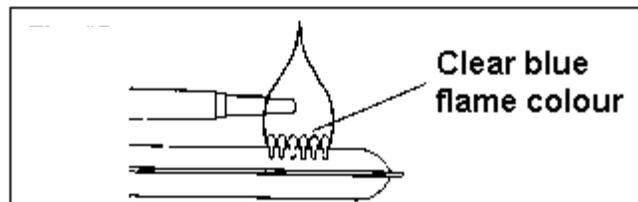
1. Clean the openings and the burner tube with a wire brush and pipe cleaner.
2. Clean and inspect the electrode and thermocouple. If either is corroded, have it replaced. Check that they are well attached and if necessary tighten the screws

3. Check that the spark is created by pressing the electronic ignition button on the control panel.
4. Before removing burner orifice, clean burner area of any soot, scale or dirt. Remove the orifice and soak it in alcohol (isopropyl alcohol or thinners) and blow it out with compressed air. Do not use thin objects to either clean or unblock the injector. Re-install and tighten burner orifice.
5. Replace burner



Warning - DO NOT use a pin or wire when cleaning the burner orifice as damage can occur to the precision opening. This can cause damage to the freezer or create a fire hazard. It will also create **extremely dangerous** levels of carbon monoxide.

Visually check burner flame to ensure you have a clean burning flame, this is represented by a blue looking flame, a yellow/orange flame represents a dirty burner or orifice and needs to be cleaned.



VIEW OF BACK OF THE APPLIANCE

WARNING – Button **(D)** Fig#1, page 7, must be manually depressed to allow gas pressure to flow to the burner orifice. Be sure to apply the leak check solution before depressing this button. **DO NOT** allow any open flame, sparks, smoking, etc. in the area of the test. **DO NOT** depress **(D)** for over 30 seconds. If leak occurs, correct problem, recheck with leak test solution then light the burner according to the instructions under **Operation Instructions, Chapter 2**

TROUBLESHOOTING INSTRUCTIONS & SUGGESTED SPARE PARTS TO KEEP ON HAND

FREEZER DOES NOT COOL, CHECK LIKELY CAUSES:

1. Burner orifice clogged. Clean. See section MAINTENANCE & SERVICE, CHAPTER 3
2. Check to ensure freezer is level – (left to right and front to back)
3. Restriction on air flow across cooling unit.
4. Heavy frost build up on inside of freezer. Defrost.
5. Flue baffle not inserted properly in flue tube.
6. Improperly set thermostat. See paragraph on thermostat, page 7. In hot weather or heavy use the setting should be closer to “Max” than usual.
7. Burner dirty. Clean. See Section MAINTENANCE & SERVICE, CHAPTER 3.
8. LP gas pressure low at burner. Regulator pressure must not drop below 11 inches W.C. (water column) on high fire.
9. 110V supply disconnected or heating element not functioning
10. Odours and fumes
 - Dislocated burner
 - Damaged Burner
 - Dirty orifice
 - Dirty flue tube

Suggested Spare Parts

The following is a list of commonly used parts which are available:

- Burner orifice
- Electronic ignition lead wire
- Thermocouple

Contact your dealer or an authorized service center for parts and repairs as needed. Quote Model & Serial # - See CSA rating/serial plate at the side of your freezer.

Food Storage Ideas & Cleaning

FROZEN FOOD STORAGE

- The freezer compartment should be kept at 8.6°F (-13°C) at a 77°F (25°C) room ambient
- A freezer operates most efficiently when it is slowly loaded to 2/3 full.

PACKAGING FOODS FOR FREEZING

- To minimize dehydration and quality deterioration, use aluminium foil, freezer wrap, freezer bags or airtight containers.
- Force as much air out of the packages as possible and seal them tightly. Trapped air can cause food to dry out, change color, and develop an off-flavor (freezer burn).
- Wrap fresh meats and poultry with suitable freezer wrap prior to freezing.
- Do not refreeze meat that has thawed.

LOADING THE FREEZER

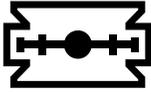
- Avoid adding too much warm food into the freezer at one time. This overloads the freezer, slows the rate of freezing, and can raise the temperature of frozen foods.
- Leave a space between the packages, so cold air can circulate freely, allowing food to freeze as quickly as possible.

Care and Cleaning

Keep your freezer clean to prevent odor build-up. Wipe up any spills immediately and clean the interior of the freezer at least twice a year. **Never** use metallic scouring pads,

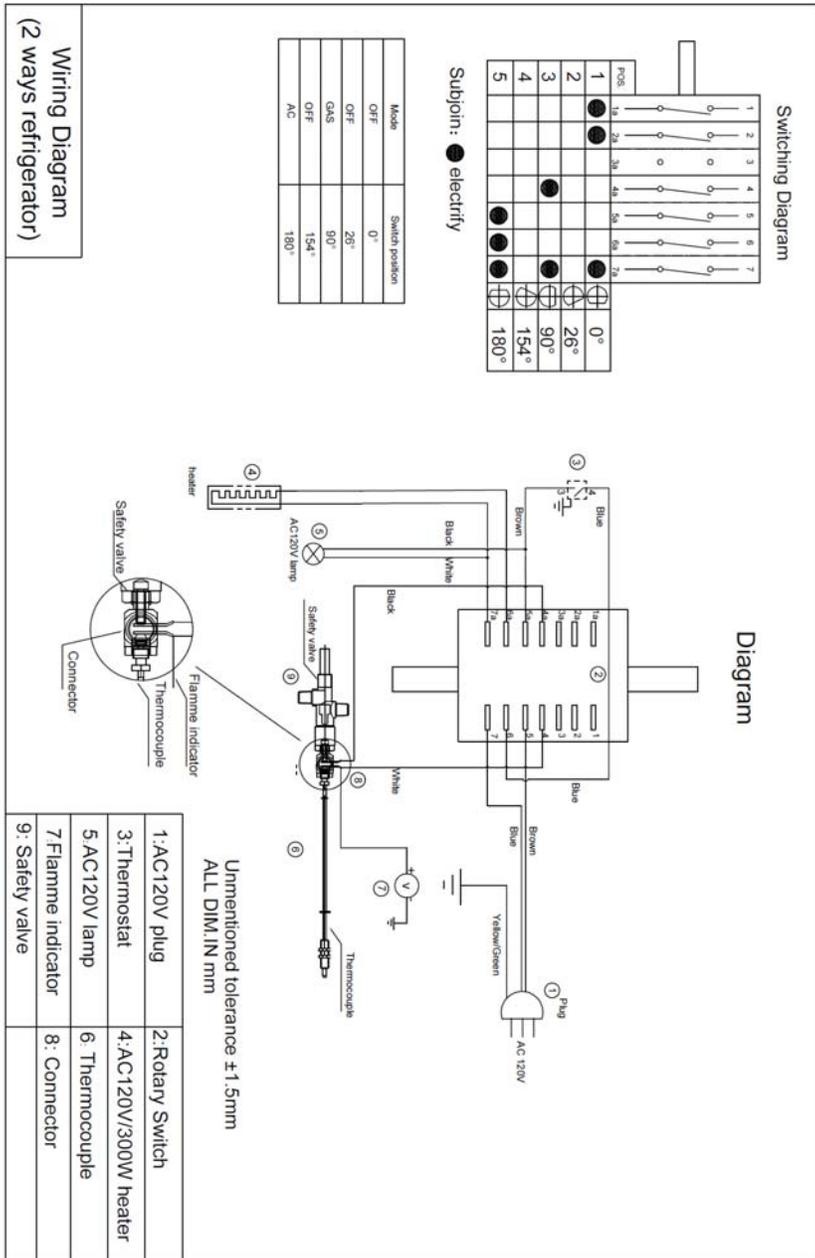
brushes, abrasive cleaners or strong alkaline solutions on any surface. **Do not** wash any removable parts in a dishwasher.

NOTES:



Do not use razor blades or other sharp instruments, which can scratch the appliance surface when removing adhesive labels. Any glue left from tape or labels can be removed with a mixture of warm water and mild detergent, or, touch the glue residue with the sticky side of tape you have already removed. **Do not remove the certification/serial plate.**

Wiring Diagram



Instructions for Model UGP-6F CM



OWNER'S MANUAL

Model 9RV-SSO

Carbon Monoxide Alarm for Appliance Safety Shutoff

ATTENTION: PLEASE READ, FOLLOW AND SAVE!

(See Additional Instruction Sheet for Safety Shutoff Connection)

Dear New COSTAR 9RV-SSO Owner,

Congratulations as you have taken steps to help insure the health and life safety of you and your family. We are proud to offer you our unique, patented CO Sensor technology that detects CO in a manner similar to the human body's response.

Please read this owner's manual carefully so you will have a better understanding of the effects of CO poisoning and the COSTAR 9RV-SSO Alarm in conjunction with our UNIQUE propane freezer.

To your good health and safety,

Unique Gas Products



WARNING: Failure to replace this product by the "REPLACE BY DATE" printed on the alarm cover may result in death by Carbon Monoxide poisoning. Replace by date is six (6) years from date of manufacture.

1.0 WHAT YOU SHOULD KNOW ABOUT CO

Carbon monoxide (CO) is an insidious poison. It is a colorless, odorless and

tasteless gas. It is a cumulative poison. The following symptoms are related to CARBON MONOXIDE POISONING and should be discussed with ALL members of the household:

MILD EXPOSURE

Slight headache, nausea, vomiting, fatigue (often described as "flu-like" symptoms)

MEDIUM EXPOSURE

Severe throbbing headache, drowsiness, confusion, fast heart rate

EXTREME EXPOSURE

Unconsciousness, convulsions, cardio respiratory failure, death

Many cases of reported CARBON MONOXIDE POISONING indicate that while victims are aware they are not well, they become so disoriented they are unable to save themselves by either exiting the building or calling for assistance. Also, young children and household pets may be the first affected.

Your CO alarm is designed to detect the toxic CO fumes that result from incomplete combustion, such as those emitted from appliances, furnaces, fireplaces and auto exhaust. A CO Alarm is NOT A SUBSTITUTE for other combustible gas, fire or smoke alarms. This carbon monoxide alarm is designed to detect carbon monoxide gas from ANY source of combustion.

CAUTION: This alarm will only indicate the presence of carbon monoxide gas at the sensor. Carbon monoxide gas may be present in other areas.

CAUTION: This product is intended for use in ordinary indoor locations of family living units. It is not designed to comply with Occupational Safety and Health Administration (OSHA) commercial or industrial standards. Individuals with medical problems may consider using warning devices that provide audible and visual signals for carbon monoxide concentrations under 30 ppm.

2.0 WHAT YOU SHOULD DO IF THE ALARM SOUNDS



WARNING: Activation of this device indicates the presence of carbon monoxide (CO) which can KILL YOU. If alarm sounds:

For Users in the United States, follow the protocol in steps 1 through 4 below:

- 1 Operate reset/silence button;
- 2 Call your emergency services (____ - _____) [fire department or 911];
- 3 Immediately move to fresh air – outdoors or by an open door/window. Do a head count to check that all persons are accounted for. Do not reenter the premises nor move away from the open door/window until the emergency services responders have arrived, the premises have been aired out, and your alarm remains in its normal condition.
- 4 After following steps 1-3, if your alarm reactivates within a 24 hour period, repeat steps 1-3 and call a qualified technician (____ - _____) to investigate for sources of CO from fuel burning equipment and appliances, motor vehicles or other sources and inspect for proper operation of this equipment. If problems are identified during this inspection, have the equipment serviced immediately. Note any combustion equipment not inspected by the technician and consult the manufacturers' instructions or contact the manufacturers directly for more information about CO safety and this equipment. Make sure that motor vehicles are not and have not been operating in an attached garage or adjacent to the residence.

For users in Canada, follow the protocol in steps 1 and 2 below:

1. Immediately move to fresh air – outdoors or by an open door or window. Check that all persons are accounted for. Do not re-enter the premises or move away from the open door/window until the emergency services responders have arrived; the premises have been aired out, and your alarm remains in its normal condition;
2. Call your emergency services (____ - _____) [fire department or 911]; If “service” signal sounds (RED LED flashes and horn beeps every 30 seconds); contact your retailer the manufacturer for troubleshooting and/or instructions to return the unit.

2.1 IMPORTANT CONSIDERATIONS:

The **COSTAR 9RV-SSO** has been designed and is warranted to operate for six years. Never disconnect the battery to silence an alarm. The alarm will automatically sense when the level of CO in the air falls below the danger level. You should stay outside the residence, or unconditioned area and remain in fresh air until the alarm is silenced. When the alarm sounds, do not stand too close to the alarm. The sound produced by the alarm is loud because it is designed to awaken a person in an emergency. Prolonged exposure to the alarm at a close distance may be harmful to your hearing.

3.0 DEVELOPING YOUR OWN CO SAFETY PLAN

This CO alarm can quickly alert you to the presence of CO — it cannot prevent toxic CO emissions. Please note that there are hazards against which CO detection may not be effective, such as gas leaks or explosions. The ultimate responsibility for protection against toxic CO fumes rests solely on you. Installing CO detectors is just the first step in protecting your family from toxic CO poisoning. We also suggest that you create an effective, comprehensive safety program as outlined below.

- 3.1 Install CO detectors properly following the instructions in this manual.
- 3.2 Develop a family escape plan and practice it with your entire family, especially small children.
 - Draw a floor plan of your home and find two ways to exit from each room. There should be one way to get out of each bedroom without opening the door.
 - Make sure that all occupants know what the CO alarm signal means and how they must exit the residence by themselves if necessary.
 - Decide on a meeting place a safe distance from your house and make sure all occupants understand where they should go and wait if there is a dangerous CO condition.
 - Conduct CO safety drills at least every 6 months to make sure that everyone, even small children, know what to do in order to escape safely.
 - Know where to go to call the Fire Department or professional assistance from outside your residence.
 - Know where to go call the emergency service provider and or a qualified service technician.

4.0 IMPORTANT: WHAT YOUR CO ALARM CAN AND CANNOT DO

- 4.1 This unit is designed to detect carbon monoxide (CO) and shutoff an appliance for safety only.
- 4.2 This CO alarm is designed for use within a single residential living unit. It is designed to detect carbon monoxide (CO) entering its sensing chamber. It does not sense combustible gas (such as natural gas, propane or (butane), heat, smoke or flames

- 4.3 This CO alarm may not provide early warning for occupants if it is placed outside of the house, such as on outside porches.
- 4.4 When properly located, installed, and maintained, this CO alarm is designed to provide early warning of developing poisonous CO conditions at a reasonable cost. This alarm monitors the air, and when it senses CO, it activates its built-in alarm. It can provide precious time for you and your family to escape from your residence before CO can seriously injure or kill. However, such an early warning is possible only if the alarm is located, installed, and maintained as specified in the Owner's Manual and the Instruction for the Safety Shutoff Connection.

5.0 INSTALLING THE COSTAR 9RV-SSO

- 5.1 One of the most important considerations in any CO alarm system is the location of the alarms. Statistics of the National Fire Protection Association (NFPA) show that most of the fatal CO occurrences happen at night while people are sleeping and/or while they are in the garage. Early warning of CO is best achieved by the correct installation of CO alarms.
- 5.2 This CO alarm may be mounted on the wall.

WALL LOCATION:
Mount the alarm at least 3 feet (usually 5 – 6 feet) from the floor.

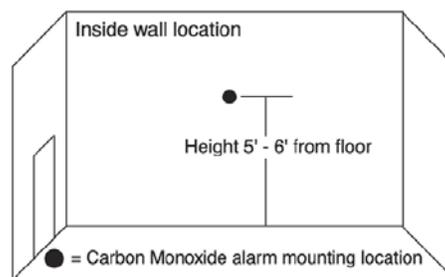


Figure 1: Recommended CO alarm wall mounting location is 5 to 6 feet from floor

LOCATIONS TO AVOID: Nuisance alarms are caused by placing units where they will not operate properly. To avoid nuisance alarms, do not place units:

- Within 5 feet (1.5m) of any cooking appliance or furnace.
- Near an open window or door, because the fresh air entering the opening may delay CO from reaching the alarm.
- In damp or very humid areas or next to bathrooms with showers. Install detectors at least 10 feet (3 meters) away from bathrooms.

- In very cold or very hot environments or in unheated buildings or outdoor rooms where the temperature can go below or above the operating range of the alarm. Temperature limits for proper operation are -20° F to 120° F (-29° C to 49° C); Operating Humidity is 10 – 95% RH.
- Good ventilation is recommended when household cleaning supplies or similar contaminants are used.

5.4 **CONDITIONS WHICH CAN RESULT IN TEMPORARY CO SITUATIONS:**

5.4.1 Excessive spillage or reverse venting of fuel burning appliances (woodstoves, etc.) caused by outdoor ambient conditions, such as:

- Wind direction and/or velocity, including high gusts of wind. Heavy air in the vent pipes (cold/humid air with extended periods between cycles).
- Negative pressure differential resulting from the use of exhaust fans, lack of combustion air entering building or dwelling.
- Simultaneous operation of several fuel burning appliances competing for limited internal air.
- Vent pipe connections vibrating loose from clothes dryers, furnaces, refrigerators, or water heaters.
- Obstructions in or unconventional vent pipe designs which can amplify the above situations.

5.4.2 Extended operation of un-vented fuel burning devices (range, oven, fireplace, etc.)

5.4.3 Temperature inversions which can trap exhaust gasses near the ground.

5.4.4 Car or generator idling in an open or closed area garage, or near a home.

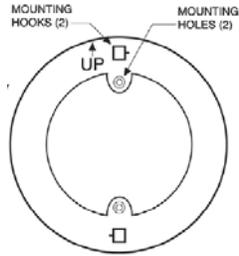
6.0 **INSTALLATION INSTRUCTIONS: READ CAREFULLY BEFORE INSTALLING ALARM**

CAUTION: THIS UNIT IS SEALED. THE COVER IS NOT REMOVABLE!

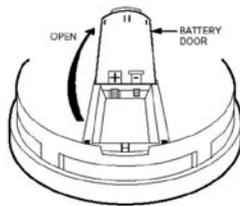
6.1 Select proper location (See section 5.0)

6.2 A mounting plate is provided on the back of the alarm. Remove the mounting plate from the back of the alarm by holding the mounting

plate and twisting the alarm in the direction indicated by the "OFF" arrow on the alarm cover.



Step A: Wall Alignment



Step B: Alarm Activation



Step C: Removal and Installation

Figure 2: Installation Instructions

6.3 To insure aesthetic alignment of the alarm with the hallway or wall, the UP ↑ arrow on the mounting plate must be vertical when wall mounting:

(See Step A in Figure 2)

6.4 As described in Figure 2, attach the mounting plate on the wall. Use the screws and anchors provided to secure the mounting plate.

6.5 The battery is **INSTALLED REVERSED FOR SHIPPING**. Remove and reinstall the battery in the correct orientation as noted on the inside of the battery door. When installing the battery, align the “+” and “-“ battery terminals on the correct contacts. The alarm will beep once indicating proper battery installation.

WARNING: Battery is required for operation of appliance, alarm operation and detection of carbon monoxide. If no battery is installed, the appliance will not stay lit. The battery door will not close easily and the unit will not attach to the mounting bracket.

6.6 Twist the alarm in the direction indicated by the “ON” arrow on the

alarm cover (see step C) until it locks in place.

- 6.7 To make your carbon monoxide alarm tamper resistant, a locking pin has been provided in the bag with the screws and anchors. Using this pin will deter children and others from removing the alarm from the mounting plate. To use the pin insert it into the hole in the side of the alarm after the alarm has been installed on the mounting plate (See Figure 3). Note the tamper resist pin will have to be removed in order to change the battery; this can be done easily with a long nose pliers. Using the long nose pliers pull the pin out of the hole, it is now possible to remove the alarm from the mounting plate.

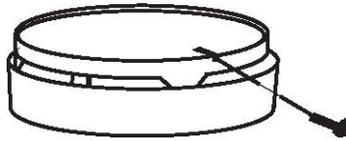


Figure 3: Tamper Resistant Locking Pin

- 6.8 This box contains two self-adhesive labels. You should write the telephone numbers of the emergency service provider and a qualified technician in the space provided on the labels. Place one label next to the alarm, and the other label near a source of fresh air where you plan to gather after the alarm indicates the presence of carbon monoxide.

7.0 ALARM SIGNALS

- 7.1 **NORMAL OPERATION:** RED L.E.D. flashes once every 30 seconds, indicating that the alarm is powered
- 7.2 **ALARM CONDITION:** Repeating signal pattern: RED LED turns "on" for 2 seconds with 4 short beeps and then 5 seconds of silence. Pushing and holding the test/reset button for 3 seconds will silence the alarm for about 4 minutes. After 4 minutes, the alarm will once again sound until the unsafe CO concentration is reduced.
- 7.3 **TROUBLE/SERVICE CONDITION:** The alarm self-tests every 10 minutes. The alarm will beep and the RED LED flashes once every 30 seconds if a fault is detected. This is an indication of a malfunction and that the detector requires immediate servicing or replaced
- 7.4 **LOW BATTERY:** RED LED flashes and horn chirp every 30 seconds. Replace battery when this signal occurs

8.0 MAINTENANCE CLEANING YOUR ALARM:

- 8.1. Keep your CO alarms clean – use a damp (water only) cloth or vacuum.
- 8.2 To clean your alarm, remove it from the mounting bracket as outlined in Figure 2 Step C: Installation/Removal. IF TAMPER RESISTANT PIN HAS BEEN USED, REFER TO STEP 6.7 UNDER INSTALLATION INSTRUCTIONS FOR REMOVAL INSTRUCTIONS. (See Figure 3)
- 8.3 You can clean the interior of your alarm by using your vacuum cleaner hose and vacuuming through the openings around the perimeter of the alarm.
- 8.4 The outside can be wiped with a cloth.
- 8.5 After cleaning, reinstall your alarm and test your alarm by using the TEST button.
- 8.6 Test your detectors weekly and repair or replace them when they no longer function. As with any electronic product, alarms have a limited life and alarms that do not work cannot protect you. (See section 10.0)

WARNING: Do not use any household cleaning agents, paints, varnishes or any other chemical on your **COSTAR 9RV-SSO** alarm.

9.0 BATTERY REPLACEMENT:

NOTE: IF TAMPER RESISTANT PIN HAS BEEN USED, REFER TO STEP 6.7 UNDER INSTALLATION INSTRUCTIONS FOR REMOVAL INSTRUCTIONS. (See Figure 3)

- 9.1 To replace the battery remove the alarm from the mounting plate by rotating the alarm in the direction of the "OFF" arrow on the cover (See Figure 2 Step C). Remove and reinstall the battery in the correct orientation as noted on the inside of the battery door. The alarm will beep once indicating proper battery installation. After re-installing the battery, place the alarm on the mounting plate. Twist the alarm in the direction indicated by the "ON" arrow on the alarm cover (see Figure 2 step C) until it locks in place.
- 9.2 The **COSTAR 9RV-SSO** CO Alarm uses one (1) 9 volt alkaline battery. A fresh battery should last for one year under normal operating conditions. They can be purchased anywhere batteries are sold, such as your local hardware store.

9.3 USE ONLY THE FOLLOWING 9 VOLT BATTERY FOR CO ALARM REPLACEMENT:

Alkaline type: DURACELL: MN1604

WARNING: USE ONLY THE BATTERY SPECIFIED. USE OF DIFFERENT BATTERIES MAY HAVE A DETRIMENTAL EFFECT ON THE CO ALARM. THE CONSTANT EXPOSURES TO HIGH OR LOW TEMPERATURES OR HIGH HUMIDITY MAY REDUCE BATTERY LIFE. CHECK THE BATTERY MANUFACTURERS SPECIFICATIONS FOR PROPER OPERATING CONDITIONS.

Note: Most batteries are not rated below -20°C or above 54°C

10.0 PERIODIC ALARM TESTING:

Test the alarm for proper operation by pushing the test button until a short beep is heard (approximately three seconds). Release the button. The alarm will then test itself for proper operation and the RED L.E.D. light will flash 4 - 6 times. At completion of the self-test, the alarm will sound 2 patterns. The alarm then resumes normal operation.

WARNING: THIS TEST PROCEDURE **WILL TURN OFF** THE APPLIANCE. ONCE THE ALARM RESUMES NORMAL OPERATION, RE-LIGHT APPLIANCE FOLLOWING LIGHTING INSTRUCTIONS.

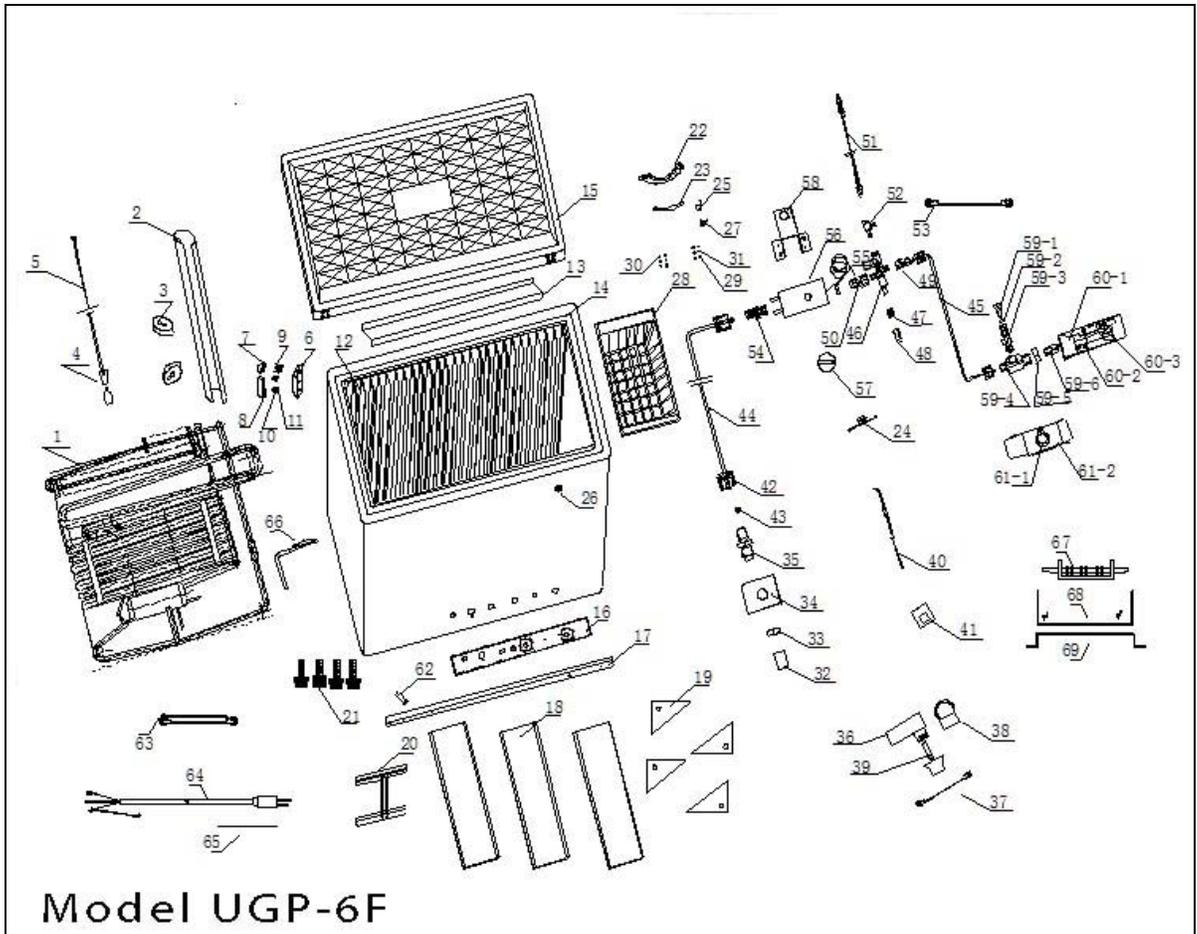
WARNING: RESIDENTIAL USE: TEST ALARM OPERATION AT LEAST ONCE PER WEEK DURING USE OR IF APPLIANCE WAS TURNED OFF FOR A PERIOD OF TIME.

11.0 SERVICE AND WARRANTY

If after reviewing this manual you feel that your CO Alarm is defective in any way, do not tamper with the unit. Call your retailer where you purchased, and they will handle the claim through **UNIQUE**.

Parts Diagram and List

UNIQUE UGP-6F EXPLODED DIAGRAM



UNIQUE UGP 6F – Parts List

No.	Item	Code
1	Cooling unit	UGP-DL20003111
2	Insulation cover	UGP-DL20001265
3	Cap	UGP-DL22501173
4	Baffle	UGP-DL27501007
5	Baffle holder	UGP-DL20001268
6	Iron hinge	UGP-DL00002014
7	Hinge cover(top)	UGP-DL00009180
8	Hinge cover(bottom)	UGP-DL00009181
9	Screw	UGP-DL00003005
10	Flat washer	UGP-DL00003022
11	Spring Washer	UGP-DL00003018
12	Heat sink	UGP-DL20001059
13	Heat sink panel	UGP-DL20001161
14	Cabinet	N/A
15	Freezer Lid	UGP-DL90000014
16	Control label	UGP-DL27501241
17	Rear cabinet support	UGP-DL20001280
18	Cabinet support	UGP-DL20001256
19	Foot support	UGP-DL20001281
20	Engine room support	UGP-DL17001047
21	Foot	UGP-DL14502351
22	Handle	UGP-DL11801034
23	Handle Cover	UGP-DL11801055
24	Flame indicator	UGP-DL18301013
25	Lock	UGP-DL00005106
26	Lock latch	UGP-DL00005051
27	Key	UGP-DL00005052
28	Basket	UGP-DL20001262
29	Bolt	UGP-DL00003042
30	Spring Washer	UGP-DL00003017
31	Flat Washer	UGP-DL00002011
32	Inlet nipple cap	UGP-DL22001160
33	Nut for safety valve	UGP-DL00003136
34	Connector bracket	UGP-DL10001264

No.	Item	Code
35	Gas connector	UGP-DL10001267
36	Battery ignitor	UGP-DL18301371
37	Connection wire	UGP-DL22501187
38	Push button switch	UGP-DL18301372
39	Battery	UGP-DL00013681
40	Electrode	UGP-DL27501257
41	Bracket	UGP-DL18301015
42	Nut	UGP-DL10001407
43	Seal ring	UGP-DL10001136
44	Pipe	UGP-DL20001271
45	Pipe	UGP-DL18301123
46	Safety valve	UGP-DL18301005
47	Spring	UGP-DL10001145
48	Button	UGP-DL18301034
49	Connector	UGP-DL10001406
50	Connector	UGP-DL10001405
51	Thermocouple	UGP-DL10001349
52	Connector	UGP-DL22001180
53	Thermocouple wire	UGP-DL10001351
54	Connector	UGP-DL10001114
55	Nut	UGP-DL18301029
56	Thermostat	UGP-DL10001430
57	Knob	UGP-DL18301033
58	Thermostat bracket	UGP-DL18301012
59	Checkpoint assembly	UGP-DL27501365
59-1	Check point plug	UGP-DL22501206
59-2	Washer	UGP-DL00009306
59-3	Check point connector	UGP-DL10001501
59-4	Check point body	UGP-DL10001498
59-5	Nut	UGP-DL10001474
59-6	Injector	UGP-DL10001469
60	Burner assembly	UGP-DL10001496
60-1	Burner bracket	UGP-DL22502507
60-2	Burner tube support	UGP-DL10001476
60-3	Burner tube	UGP-DL10001142
61	Burner cover assy	UGP-DL22502506
61-1	Burner cover	UGP-DL22502508
61-2	Cover window	UGP-DL10001186
62	Lamp	UGP-DL00013598

No.	Item	Code
63	Connection wire	UGP-DL27501292
64	Power cord	UGP-DL10001252
65	Grounding wire	UGP-DL10001056
66	Heater	UGP-DL27501293
67	Rotary switch	UGP-DL10001213
68	Bracket	UGP-DL10001271
69	Bracket	UGP-DL18301201



UNIQUE UGP-6F

3 YEAR LIMITED WARRANTY*

Unique Gas Products Ltd. warrants that this UNIQUE freezer is free from defects in material and workmanship under normal usage and service under the following terms:

1. This Warranty is made only to the first purchaser ("original purchaser") who acquires this freezer for his/her own use and will be honored by **Unique Gas Products Ltd.** and by the Seller.
2. Any part of this freezer returned to the Seller or **Unique Gas Products Ltd.**, which upon examination is determined by them to have been defective in material or workmanship, will at their option be either repaired or replaced under this warranty, without charge for materials/parts. (customer is responsible for labour)
3. The obligation to repair or replace defective parts will apply only to parts returned within one year of the date of purchase and will constitute the Sellers sole obligation under this Warranty. The cooling system (coil) is warranted for a total of 3 years and will be replaced at no charge by **Unique Gas Products Ltd.** and the Seller.
4. Labour and transportation charges will be the responsibility of the owner.

The Seller will have no obligation under this warranty with respect to conditions unrelated to the material or workmanship of this freezer. Such unrelated conditions include without limitation:

- a) faulty installation (or venting) and damage resulting therefrom; not installed by Seller
- b) the need for normal maintenance of this freezer (including the cleaning of the Burner, Venturi, orifice, flue tubes and assurance of proper propane gas pressure);
- c) any accidents to or misuse of any part of this freezer and any alteration thereof by anyone other than the Seller or its authorized representative.

This UNIQUE freezer **must** be serviced regularly as outlined in the Owner's Manual. **Unique Gas Products Ltd.** the seller will not be liable for direct or indirect loss of foods caused by failure in operation. In case of damage, the owner must provide proof of purchase, Model, and Serial Number to the Seller or **Unique Gas Products Ltd.**

*Due to remote locations, it is the customer's responsibility to bring items to dealer for review.

Please fill out warranty card within 30 days and mail back for warranty coverage



LIMITED WARRANTY

UNIQUE Model 9RV-SSO

UNIQUE GAS PRODUCTS LTD offers you this limited warranty on your new carbon monoxide alarm, including all of its component parts except the battery. This limited warranty extends solely to the original end-user purchaser of this product, provided your purchase was made from an authorized vendor. Transfer or resale of this product will automatically terminate warranty coverage.

UNIQUE GAS PRODUCTS LTD. warrants the enclosed carbon monoxide alarm to be free from defects in materials and workmanship under authorized use and service, as specified in the owner's manual, for a period of six (6) years from the date of manufacture. During the initial two (2) year period commencing with the date of manufacture, any repair or replacement shall be made without charge. During the latter four (4) years of the warranty period, any repair or replacement shall be made at a charge to the purchaser not to exceed the manufacturer's cost of repair or replacement. All replaced items become the property of UNIQUE GAS PRODUCTS LTD.

UNIQUE GAS PRODUCTS LTD. MAKES NO OTHER WARRANTIES, EXPRESS OR IMPLIED, EXCEPT AS REQUIRED BY LAW, AND IN NO CASE FOR A DURATION LONGER THAN THAT OF THIS WRITTEN WARRANTY, EXCEPT AS REQUIRED BY LAW, INCLUDING, BUT NOT LIMITED TO, ANY WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE OR AGAINST INFRINGEMENT, OR ANY EXPRESS OR IMPLIED WARRANTY ARISING OUT OF TRADE USAGE OR OUT OF A COURSE OF DEALING OR COURSE OF PERFORMANCE. UNIQUE GAS PRODUCTS LTD. has not authorized any other party to extend any other warranties in connection with the sale of the product, and will not accept responsibility for any statements, representations, or warranties made by any other person.

This limited warranty does not cover: (1) 9 volt alkaline battery; (2) products which have been improperly installed, repaired, maintained, modified, or which have been subjected to misuse, abuse, accident, neglect, exposure to fire, water, or excessive changes in climate or temperature, or combined with non-UNIQUE GAS PRODUCTS LTD.. - approved accessories; (3) physical damage caused from use other than normal and proper operation or handling, as specified in the owner's manual; (4) cosmetic damage; (5) products on which warranty stickers or product serial numbers have been removed, altered, or rendered illegible; (6) the cost of installation, removal or reinstallation.

UNIQUE GAS PRODUCTS LTD. SPECIFICALLY DISCLAIMS LIABILITY FOR ANY AND ALL DIRECT, INDIRECT, SPECIAL, GENERAL, INCIDENTAL, OR CONSEQUENTIAL DAMAGES, INCLUDING, BUT NOT LIMITED TO, LOSS OF PROFITS OR ANTICIPATED PROFITS ARISING OUT OF USE OF OR INABILITY TO USE THE PRODUCT.