

# FIREMAGIC®

## SINGLE SIDEBURNER

Natural Gas or Propane Gas



### SINGLE SIDEBURNER SLIDE-IN

Model #'s 3279-1, 3279-2, 3274-1, 3274-2

**INSTALLER:** Please leave these instructions with the consumer. **CONSUMER:** Retain for future reference.

## INSTALLATION AND OPERATING INSTRUCTIONS

### **⚠ DANGER**

#### **IF YOU SMELL GAS:**

1. Shut off the gas to the appliance.
2. Extinguish any open flame.
3. Open lid if equipped with an oven.
4. If odor continues, keep away from the appliance and immediately call your gas supplier or fire department.

**CODE AND SUPPLY REQUIREMENTS:** This unit must be installed in accordance with local codes and ordinances, or, in the absence of local codes, with either the latest *National Fuel Gas Code (ANSI Z223.1/NFPA 54)*, *CAN/CGA-B149.1 (Natural Gas Installation Code)*, or *CAN/CGA-B149.2 (Propane Installation Code)*.

This appliance and its individual shutoff valves must be disconnected from the gas supply piping system when testing the system at pressures in excess of ½ psig (3.5 kPa).

This appliance must be isolated from the gas supply piping system by closing its individual manual shutoff valves during any pressure testing of the gas supply system at pressures up to and including ½ psig (3.5 kPa).

### **⚠ WARNING**

1. Do not store or use gasoline or other flammable vapors and liquids in the vicinity of this or any other appliance.
2. A propane cylinder not connected for use shall not be stored in the vicinity of this 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 qualified, professional installer, service agency, or the gas supplier.

#### **Certified to ANSI: Z21.58**

All electrical outlets in the vicinity of the unit must be properly grounded in accordance with local codes or, in the absence of local codes, with the ***National Electrical Code, ANSI/NFPA 70, or the Canadian Electrical Code, CSA C22.1***, which ever is applicable.

Keep all electrical supply cords and fuel supply hoses away from any heated surface.

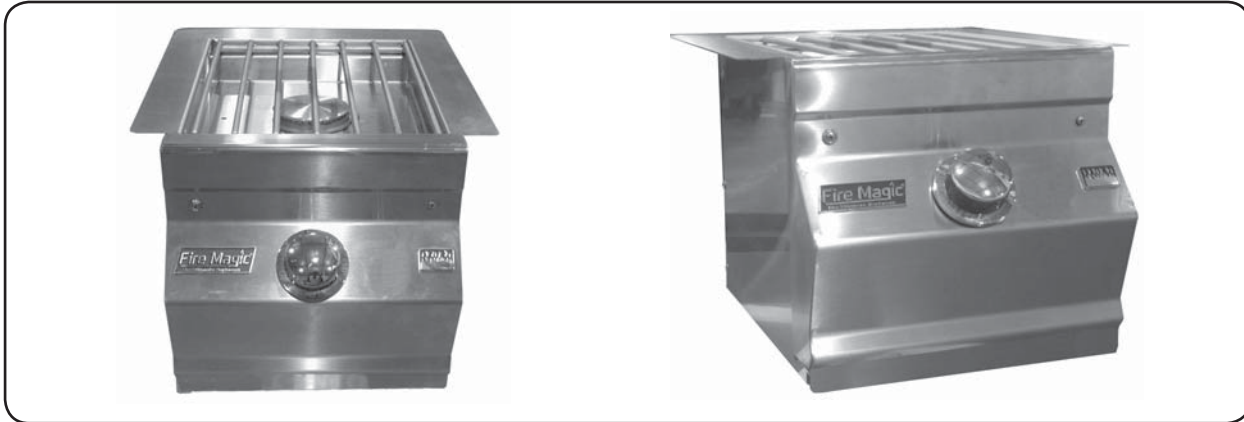
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OMNI Test Laboratories, Inc.  
254-B-02b-5

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# FIREMAGIC®

## SIMPLE SIDEBURNER

Gaz naturel ou gaz de propane



### GLISSIÈRE SIMPLE DE SIDEBURNER DEDANS

Numéros de type 3279-1, 3279-2, 3274-1, 3274-2

**INSTALLATEUR :** Veuillez laisser ces instructions avec le consommateur.

**CONSOMMATEUR :** Maintenez pour la future référence.

## INSTALLATION ET CONSIGNES D'UTILISATION

### **⚠ DANGER**

#### **SI VOUS SENTEZ LE GAZ:**

1. Coupez le gaz à l'appareil.
2. Éteignez-vous n'importe quelle flamme nue.
3. Ouvrez le couvercle si équipé d'un four.
4. Si l'odeur continue, gardez à partir de l'appareil et appelez immédiatement votre fournisseur ou corps de sapeurs-pompiers de gaz.

**CODE AND SUPPLY REQUIREMENTS:** This unit must be installed in accordance with local codes and ordinances, or, in the absence of local codes, with either the latest *National Fuel Gas Code (ANSI Z223.1/NFPA 54)*, *CAN/CGA-B149.1 (Natural Gas Installation Code)*, or *CAN/CGA-B149.2 (Propane Installation Code)*.

This appliance and its individual shutoff valves must be disconnected from the gas supply piping system when testing the system at pressures in excess of ½ psig (3.5 kPa).

This appliance must be isolated from the gas supply piping system by closing its individual manual shutoff valves during any pressure testing of the gas supply system at pressures up to and including ½ psig (3.5 kPa).

Gardez tous les cordes d'alimentation électrique et tuyaux de fourniture en combustible à partir de n'importe quelle surface heated.

### **⚠ AVERTISSEMENT**

1. Ne stockez pas ou n'employez l'essence ou d'autres vapeurs et liquides inflammables à proximité de ceci ou d'aucun autre appareil.
2. Un cylindre de propane non relié pour l'usage ne sera stocké à proximité de ceci ou d'aucun autre appareil.

### **AVERTISSEMENT**

L'installation, l'ajustement, le changement, le service ou l'entretien inexact peuvent causer des dommages ou des dégâts matériels. Référez-vous à ce manuel. Pour l'aide ou les informations supplémentaires consultez l'installateur qualifié et professionnel, l'agence de service, ou le fournisseur de gaz.

**Certifié à ANSI: Z21.58**

Toutes les sorties électriques à proximité de l'unité doivent être correctement fondues selon des codes locaux ou, en l'absence des codes locaux, avec le code électrique national, ANSI/NFPA 70, ou le code électrique canadien, CSA C22.1, qui s'applique jamais.

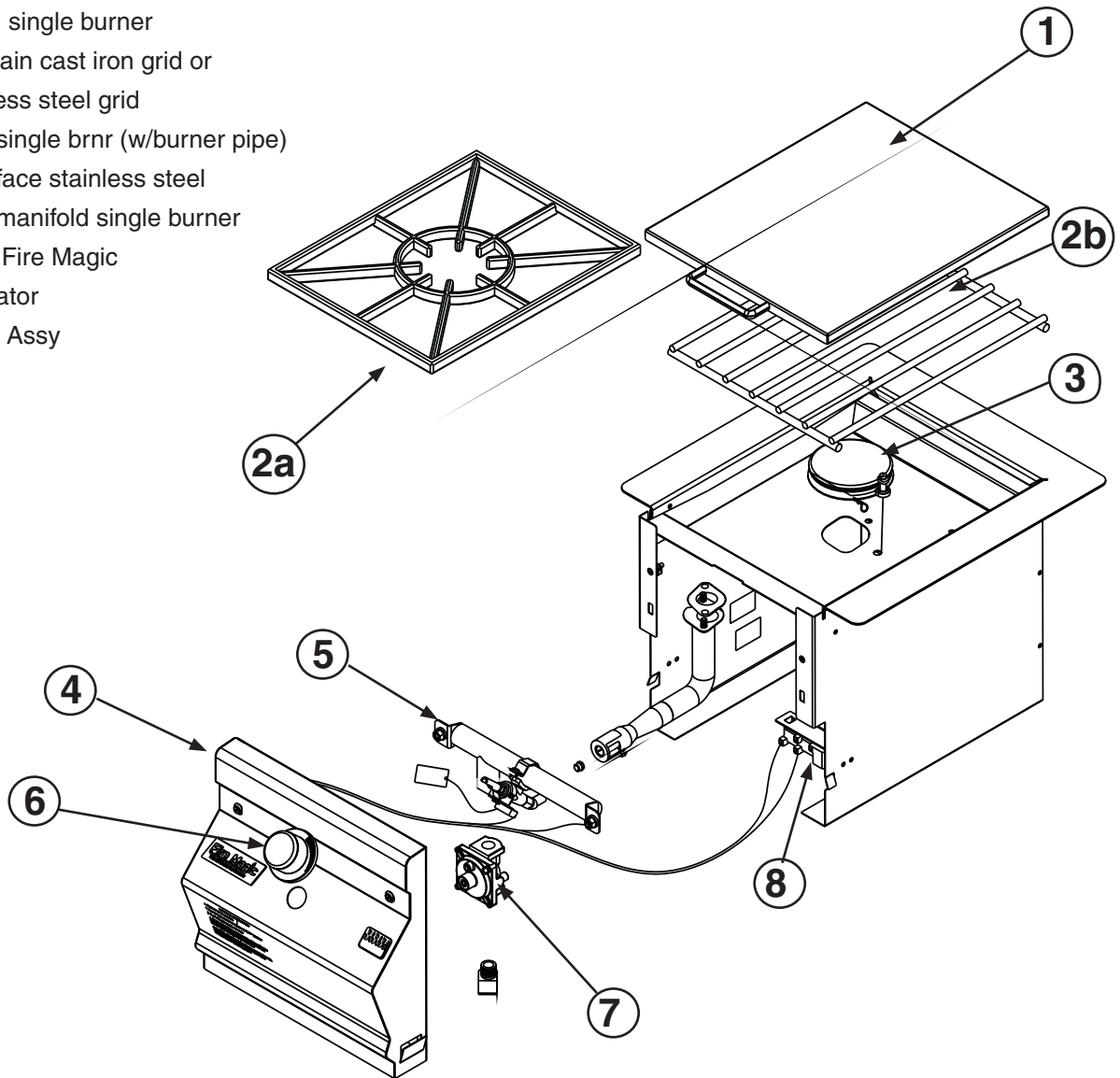
Tested & Listed by  Evaluated Oregon USA  
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254-B-02b-5

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## SINGLE SIDEBURNER PARTS LIST

Item No.	Description (Qty.)
----------	--------------------

- |     |                                   |
|-----|-----------------------------------|
| 1.  | Cover, single burner              |
| 2a. | Porcelain cast iron grid or       |
| 2b. | Stainless steel grid              |
| 3.  | Assy, single brnr (w/burner pipe) |
| 4.  | Assy, face stainless steel        |
| 5.  | Assy, manifold single burner      |
| 6.  | Knob, Fire Magic                  |
| 7.  | Regulator                         |
| 8.  | Ignitor Assy                      |



### PRODUCT DATA TABLE

Specification	Value
Counter Opening Height*	12" (30.5 cm)
Counter Opening Width*	11 1/2"
Counter Opening Depth*	14"
<b>Single Side Burner</b>	
BTU per burner	<b>15,000 BTU</b>
Natural Gas Orifice	<b>#53</b>
Propane Gas Orifice	<b>#63</b>

Table 1 - Product data table

**\*Note:** If using an insulating liner consult liner instructions for counter cut-out dimensions.

**WHERE TO INSTALL YOUR SINGLE SIDEBURNER FOR OUTDOOR USE ONLY.**

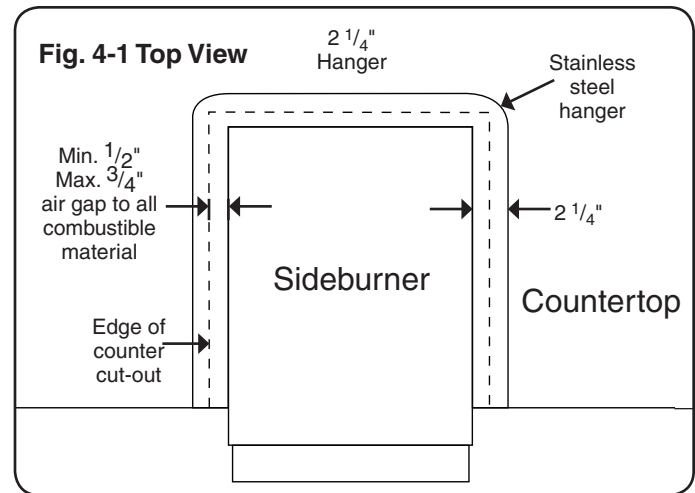
**Do not install this unit under unprotected flammable surfaces. Do not install or use this appliance inside a building, garage, or any other covered area. It must not be used in or on recreational vehicles or boats.**

This is a slide-in type unit designed to fit into open-front enclosures. The front panel (face) of the unit is removable for gas hookup, servicing, and burner adjustment. The face must be removable after you install the unit.

**Important:** This unit should be installed so that it can be removed at a later date if factory service is required. Any protrusion into the single sideburner enclosure may prevent the unit from sliding into place (see GAS SUPPLY PLUMBING REQUIREMENTS, on page 4).

**ELECTRICAL OUTLETS**  
Electrical outlets in the vicinity of this appliance must be properly grounded and GFI equipped.

**Important:** This unit may be installed into combustible framing (wood, for instance) provided there is a minimum of a 1/2" airspace between the sides of the unit and any combustible material. This hanger requires 1 1/2" of countertop on each side and back to support the unit.



**ENSURING PROPER COMBUSTION AIR AND COOLING AIR FLOW**

You must maintain proper air flow for your Fire Magic single sideburner to perform as it was designed (Fig. 4-1). If airflow is blocked, overheating and poor combustion will result. Make sure not to block the 1" front air inlet along the bottom of the face or more than 75% of the support grid surface with pans or griddles.

**EXHAUST REMOVAL**

If installed under a patio roof, the cooking grid area should be fully covered by a chimney and exhaust hood. An exhaust fan with a rating of 1000 CFM or more may be necessary to efficiently remove smoke and other cooking by-products from the covered area. Installation in a fully enclosed patio area is not recommended.

**Installer and User Note:**

Keep electrical supply cords away from all heated surfaces.

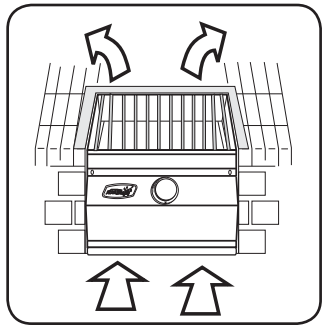
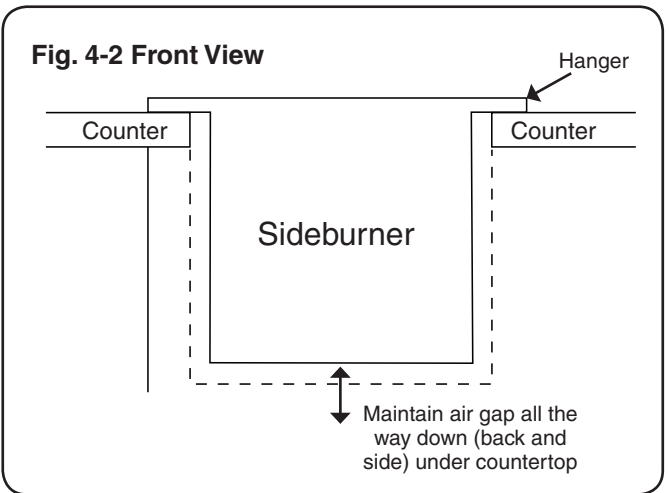


Fig. 4-1 Ventilation diagram



## GAS SUPPLY PLUMBING REQUIREMENTS

### 1. CHECKING FUEL AND PROPER ORIFICES

Fire Magic units are equipped with orifices for natural gas, unless otherwise indicated. For use with propane gas, smaller orifices must be installed to avoid hazardous overheating. Please refer to Table 1 for the correct orifice size. Check the orifice size by following the instructions below. The drill size is stamped on the orifice. If the number is not visible you may have to remove the orifice (as detailed below) to read the number stamped on the side of the orifice.

**IF YOU ARE NOT SURE YOU HAVE THE CORRECT SIDEBURNER ORIFICE SIZE (OR WISH TO CHANGE THE ORIFICE), FOLLOW THE STEPS BELOW.**

**CAUTION: IF THE BURNER HAS BEEN IN USE, WAIT UNTIL THE BURNER AND ITS COMPONENTS ARE COOL TO THE TOUCH.**

- a. Remove sideburner lid and lift off cooking grid.
- b. Removing the control knob and face screws first, carefully lift away the face.

**Important:** Prior to removing the face, you must slide the battery out of the battery bracket located on the right side of the face.

- c. Reach up under the burner support and remove the burner retaining clip (see Fig. 5-1), located at the rear of the burner pipe.
- d. Remove the burner top and carefully lift burner up and out, clearing the ceramic electrode (see Fig. 5-2), and pulling the burner tube away from the orifice, located on the end of the valve on the manifold at the front of the unit (see Fig. 5-3).

**Note:** You do not have to lift the burner completely out of the unit to access the orifice.

- e. Using a  $\frac{3}{8}$ " socket, remove orifice from the orifice holder (see Fig. 5-3) and check the number stamped on the face.
- f. If an orifice change is necessary, replace the orifice with the correct sized one.
- g. Replace the sideburner tube over the orifice, aligning the burner over the electrode, taking

care not to detach it from the wire.

- h. Replace the burner retaining clip (underneath burner), burner top, cooking grid, and lid.

**Important:** If converting the gas type, see the CHECKING AND CONVERTING THE REGULATOR section before replacing the face.

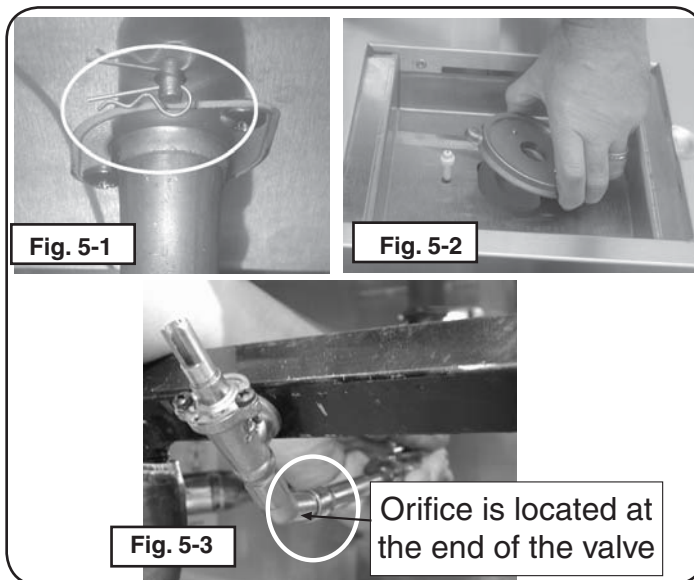
- i. Re secure the battery into the battery bracket. Replace the face and control knob.

### 2. CONNECTING THE GAS SUPPLY TO YOUR FIRE MAGIC SINGLE SIDEBURNER

- a. The burner manifold has a  $\frac{1}{2}$ " male flare fitting gas inlet elbow. A  $\frac{1}{2}$ " female flare fitting connector nut is required to hook the gas supply to the burner.
- b. Use a stainless steel flex connector to bring the gas supply from the gas line stub or propane gas tank to the single sideburner manifold. A  $\frac{1}{2}$ " x 24" or 36" flex connector is suitable for most installations.

**CAUTION:** Use only a C.S.A. listed stainless steel flex connector. Do not use a rubber hose or plastic hose within the enclosure for your single sideburner; it will leak, resulting in an explosion and/or serious injury.

- c. Be sure the gas supply is **OFF**. Connect the pipe adapter fitting supplied with the flex



## CONNECTING THE GAS SUPPLY

connector to the gas supply stub. Use pipe joint compound that is resistant to all gasses on the pipe fitting. Tighten fitting to the gas supply and connector flare nut securely.

**Note: Pipe joint compound should not be used on flare fitting connections.**

- d. Connect the flex connector flare nut to the single sideburner manifold elbow flare fitting. Be sure to tighten securely. Use a second wrench to support the manifold to avoid damaging the manifold.
- e. Check all gas connections for leaks with a brush and soapy water solution before lighting.

### NEVER USE A MATCH OR OPEN FLAME TO TEST FOR LEAKS.

- f. Lower the unit into the enclosure.

### 3. POSITIONING THE BURNER CAP

Place the burner cap so it is centered over the burner. Ensure that the notches in the burner cap fit over the studs protruding from the burner (see Fig. 6-1).

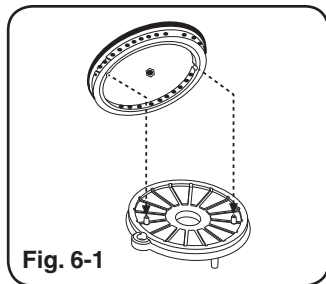


Fig. 6-1

Positioning the burner cap

### SAFETY TIPS IN USING YOUR SINGLE SIDEBURNER

Each time you use your single sideburner, ensure that:

- a. The area around the unit is clear and free from flammable vapors, liquids, and other combustible materials.
- b. There is no blockage of air flow around the burner.
- c. When using propane gas, ensure:
  - i. The special ventilation openings in the

enclosure are kept free and clear of debris.

- ii. If connected to a propane cylinder, inspect the rubber hose attached to the regulator before each use.
- iii. Propane cylinder, regulator, and hose are installed in a location not subject to heating above 125° F (51° C).
- d. Burner flames are burning evenly around the burner cap with a steady flame (mostly blue with yellow tipping).

### PRESERVING YOUR SINGLE SIDEBURNER FOR YEARS OF CAREFREE USE

The single sideburners surfaces may be cleaned with any common, acid-free, household cleaner.

Occasionally remove the burner cap and, if necessary, use a soft, stiff brush (an old toothbrush) to clean the ports in the burner and the underside of the burner cap.

**CAUTION: Never use acid chemicals or abrasive pads to clean porcelain or aluminum surfaces. Do not operate the burner with the cover closed.**

The valve, igniter, and burner on your Fire Magic single sideburner have been **pre-assembled and tested before shipping**. We suggest you follow and practice these instructions for safe lighting of your Fire Magic single sideburner.

**CAUTION: Do not allow a cooking pot or pan to get too close to, or cover, the flame adjustment knob during use. Overheating of the knob will occur, resulting in damage and possible unit malfunction if this caution is not followed.**

### GAS SUPPLY AND MANIFOLD PRESSURES

For **natural gas** - normal 7" water column (w.c.), minimum 3-1/2", maximum 10-1/2". For **propane gas** - normal 11" w.c., minimum 8", maximum 13".

## CHECKING AND CONVERTING GAS TYPE

This unit comes from the factory configured for one type of gas, as marked on the label behind the faceplate.

Converting this unit to burn a different type of gas requires a conversion kit from the factory. The professional installer who converts this unit to burn a different gas must perform the following functions:

1. Change brass gas orifices (included at original shipping) on each burner to match the new gas type (see PRODUCT DATA TABLE, Table 1).
2. Switch the convertible gas regulator (included at original shipping) to match the new gas type (see below).
3. Plumb the unit to the new gas supply.
4. Apply a new label behind the faceplate, indicating the new gas the unit will burn (included with conversion kit).

### WARNING

**HAZARDOUS OVERHEATING WILL OCCUR IF A NATURAL-GAS ORIFICE IS USED WITH PROPANE GAS. IF YOU ARE NOT SURE IF THE CORRECT ORIFICES ARE INSTALLED, OR IF AN ORIFICE CHANGE IS NECESSARY, REFER TO THE FOLLOWING INSTRUCTIONS.**

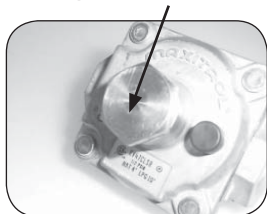
**CAUTION:** Make sure the unit is at a safe temperature and isolated from gas and electrical supplies before beginning the tasks outlined below.

**Note:** The cooler the unit, the greater the tolerances between the stainless-steel parts, and therefore the easier to disassemble and reassemble parts of the unit.

**CAUTION:** For your safety, exercise caution and use adequate hand protection (such as gloves) when handling potentially sharp sheet-metal parts.

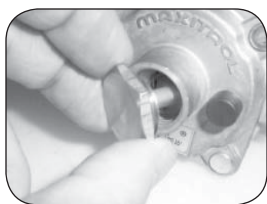
## CHECKING AND CONVERTING THE REGULATOR

Regulator: note the cap on top



**Note:** Each end of the plastic converter is engraved with either the letters "NAT" or "L.P." (propane) for the respective gasses. When the converter is in the cap and the cap is held uppermost, the letters seen indicate the gas that the regulator is set up for.

To convert the regulator from one gas to another, follow steps 1-4.



**STEP 1:** Unscrew and remove the cap from the regulator, extracting the converter.

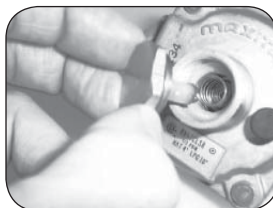


Read gas type here

**STEP 3:** Turn the converter around and replace it carefully, into the center of the cap (it will snap into place). Check that you can read the type of gas the unit is set for.



**STEP 2:** Remove the converter (the plastic stalk) by carefully pulling it away from the center of the cap (it will snap out of its seating).



**STEP 4:** Replace the unit into the regulator and screw down until snug.

### WARNING

THIS APPLIANCE REGULATOR IS RATED FOR 1/2 PSI MAXIMUM. IF YOUR GAS SUPPLY IS GREATER THAN 1/2 PSI, AN ADDITIONAL REGULATOR MUST BE INSTALLED TO REDUCE THE INPUT PRESSURE TO THE UNIT TO 1/2 PSI OR LESS. SEE GAS-SUPPLY REQUIREMENTS SECTION FOR PROPER GAS-SUPPLY PRESSURE.

# UTILISATION SÛRE ET ENTRETIEN DES CYLINDRES DE GAZ DE PROPANE

## IMPORTANT POUR VOTRE SÛRETÉ

### LISEZ ET SUIVEZ TOUS LES AVERTISSEMENTS ÉQUIPÉS DE VOTRE CYLINDRE DE GAZ DE PROPANE.

En actionnant cet appareil avec un cylindre de gaz de propane ON DOIT observer ces instructions et avertissements.

**LE MANQUE DE FAIRE AINSI PEUT AVOIR COMME CONSÉQUENCE UNE INCENDIE OU UNE EXPLOSION SÉRIEUSE.**

## CYLINDRE ET CONDITIONS ET

### CARACTÉRISTIQUES DE CONNECTEUR

- Des cylindres et les valves de gaz de propane doivent être maintenus en bon état et doivent être remplacés s'il y a des dommages évidents au cylindre ou à la valve.
- Ce gril, une fois utilisé avec un cylindre, devrait être relié à un gallon de la norme 5 (20lb.) cylindre de gaz de propane équipé d'un OPD (remplissez au-dessus du niveau le dispositif d'empêchement). L'OPD a été exigé sur tous les cylindres vendus depuis octobre 1.1998 pour empêcher le remplissage excessif.
- Les dimensions de cylindre devraient être approximativement 12" (30.5cm) de diamètre et 18" (45.7cm) hauts. Des cylindres doivent être construits et marqués selon les caractéristiques pour des cylindres de gaz de propane du département des ETATS-UNIS du transport (D.O.T.) ou le niveau national du Canada, du CAN/CSA-B339, des cylindres, des sphères et des tubes pour le transport des marchandises dangereuses.
- Le cylindre doit inclure un collier pour protéger la valve de cylindre et le circuit d'alimentation de cylindre doit être assuré le retrait de vapeur.
- Le régulateur de pression et l'ensemble de tuyau utilisé doivent assortir les spécifications pour le type I par ANSI Z 21.58-2005/CGA 1.6-2005 (voir la figue. 8-1).
- La valve de cylindre de gaz de propane doit être équipée d'un dispositif d'accouplement de raccordement de cylindre, décrit comme type I dans la norme définie dans le e. de paragraphe ci-dessus. Ce dispositif est généralement décrit comme coupleur rapide de fil de point culminant.
- Si votre cylindre de gaz de propane vient avec une prise de la poussière, placez le bouchon anti-poussière sur la sortie de valve de cylindre toutes les fois que le cylindre n'est pas en service.

## OPÉRATION DE COUPLEUR RAPIDE

**Pour relier le régulateur/hose à l'ajustage de précision de valve de cylindre de gaz de propane:** Serrez l'écrou de main sur le régulateur au-dessus de l'ajustage de précision de fil de point culminant sur la valve de cylindre. Tournez l'écrou de

main dans le sens des aiguilles d'une montre pour engager les fils et pour serrer jusqu'à ce que douillettement. L'utilisation des pinces ou de la clé ne devrait pas être nécessaire. Seulement le propane marqué par cylindres doit être employé.

**Pour débrancher:** Tournez l'écrou de main dans le sens contraire des aiguilles d'une montre jusqu'à isolé (fig. 8-1).

**Important:** Avant d'employer le gril, et ensuite chaque fois que le cylindre est enlevé et rattaché, examinez tous les raccordements pour déceler les fuites. Arrêtez les valves de gril et ouvrez la valve principale de cylindre, puis vérifiez les raccordements avec de l'eau savonneux. Réparez toutes les fuites avant d'allumer le gril.

**ATTENTION:** Tournez toujours la valve principale de cylindre de propane au loin après chaque utilisation, et avant de déplacer le gril et le cylindre, ou débrancher l'accouplement. Cette valve doit rester fermée et le cylindre a débranché alors que l'appareil n'est pas en service, quoique l'écoulement de gaz soit arrêté par un dispositif de sûreté quand le coupleur est débranché.

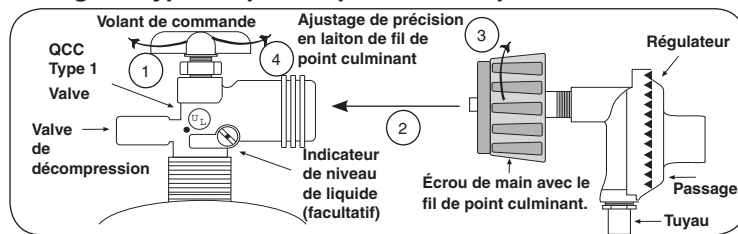
**Inspectez soigneusement** l'ensemble de tuyau chaque fois avant que le gaz soit allumé. Un tuyau criqué ou frangé devrait être remplacé immédiatement.

Si l'appareil est stocké à l'intérieur, le cylindre doit être débranché et enlevé. Des cylindres doivent être stockés hors des portes, hors de l'extension des enfants, et ne doivent pas être stockés dans un bâtiment, le garage, ou n'importe quel autre secteur inclus.

## POUR VOTRE SÛRETÉ

- Ne stockez pas un cylindre de gaz disponible de propane dessous ou ne vous approchez pas de cet appareil.
- Ne remplissez jamais cylindre au delà de 80 pour cent de plein.
- SI L'INFORMATION DANS "A" ET "B" N'EST PAS SUIVIE EXACTEMENT, UN FEU CAUSANT LA MORT OU DES DOMMAGES SÉRIEUX PEUT SE PRODUIRE.

**Fig. 8-1 type coupleur rapide de fil de point culminant d'I**



## CONDITIONS DE CLÔTURE

**POUR VOTRE SÛRETÉ,** vous devez fournir les ouvertures suivantes ci-dessous pour le drainage, l'air de recharge, et la ventilation en travers de n'importe quelle zone de stockage exposée à la fuite possible des raccordements de gaz, du gril, ou du cylindre de propane:

Un côté de la clôture de cylindre de gaz a laissé complètement ouvert de extérieur OU en fournissant quatre (4) ouvertures de ventilation. Deux ouvertures doivent être au niveau de valve de cylindre (approximativement 16" (40.6 centimètres) au-dessus du plancher) et sur les murs opposés de la clôture. Deux ouvertures supplémentaires doivent être au niveau de plancher des côtés opposés de la clôture. Les ouvertures de niveau de plancher doivent commencer au plancher et se prolongeront pas plus haut que 5" (12.7 centimètre) au-dessus du plancher. Chaque ouverture doit avoir un minimum de 10 pouces carrés (64.5 cm<sup>2</sup>) du secteur libre. Pour réaliser la ventilation appropriée, vous pouvez forer une série de trous, omettez le coulis des joints de maçonnerie, ou remplacez une brique avec un écran de tissu de matériel. Si le plancher dans le coffret est augmenté et l'espace sous le coffret est ouvert d'extérieur, les ouvertures inférieures de ventilation peuvent être dans le plancher.



# SAFE USE & MAINTENANCE OF PROPANE-GAS CYLINDERS

## IMPORTANT FOR YOUR SAFETY

### READ AND FOLLOW ALL WARNINGS PROVIDED WITH THE PROPANE-GAS CYLINDER.

When operating this appliance with a propane-gas cylinder, these instructions and warnings **MUST** be observed.

**FAILURE TO DO SO MAY RESULT IN A SERIOUS FIRE OR EXPLOSION.**

## CYLINDER/CONNECTOR REQUIREMENTS

- Propane-gas cylinders, valves, and hoses must be maintained in good condition and must be replaced if there is visible damage to either the cylinder or valve. If the hose is cut or shows excessive abrasion or wear, it must be replaced before using the gas appliance (see e.).
- This unit, when used with a cylinder, should be connected to a standard 5-gallon (20 lb.) propane-gas cylinder equipped with an OPD (Overfill Prevention Device). The OPD has been required on all cylinders sold since October 1, 1998, to prevent overfilling.
- Cylinder dimensions should be approximately 12" (30.5 cm) in diameter and 18" (45.7 cm) high. Cylinders must be constructed and marked in accordance with the *Specifications for Propane Gas Cylinders of the U.S. Department of Transportation (D.O.T.)* or the National Standard of Canada, *CAN/CSA-B339, Cylinders, Spheres, and Tubes for Transportation of Dangerous Goods*.
- The cylinder must include a collar to protect the cylinder valve, and the cylinder supply system must be arranged for vapor withdrawal.
- The pressure regulator and hose assembly used must match the specification for Type I by *ANSI Z 21.58-2005/CGA 1.6-2005* (see Fig. 9-1).
- The propane-gas cylinder valve must be equipped with a cylinder connection coupling device, described as Type I in the standard defined in paragraph e. above. This device is commonly described as an Acme thread quick coupler.
- If the propane-gas cylinder comes with a dust plug, place the dust cap on the cylinder valve outlet whenever the cylinder is not in use.

## QUICK COUPLER OPERATION

**To connect the regulator/hose assembly to the propane-gas cylinder valve fitting:** Press the hand nut on the regulator over the Acme thread fitting on the cylinder valve. Turn the hand nut clockwise to engage the threads and tighten until snug.

## ENCLOSURE REQUIREMENTS

**FOR YOUR SAFETY, you must provide the openings listed below for drainage, replacement air, and cross-ventilation of any storage area exposed to possible leakage from gas connections, the unit, or propane cylinders:**

One side of the gas cylinder enclosure left completely open to the outside **OR** by providing four (4) ventilation openings. Two (2) openings are to be at the cylinder valve level (approx. 16" [40.6 cm] above the floor) and on opposite walls of the enclosure. Two (2) more openings must be at the floor level on opposite sides of the enclosure. The floor-level openings must start at the floor and shall extend no higher than 5" (12.7 cm) above the floor. Each opening must have a minimum of 10 sq. in. (64.5 cm<sup>2</sup>) of free area. To achieve the proper ventilation, you may drill a series of holes, omit the grout from masonry joints, or replace a brick with a hardware cloth screen. If the floor in the cabinet is raised and the space beneath the cabinet is open to the outside, the lower ventilation openings may be in the floor.

Consult your gas supplier for ventilation and regulator requirements when connecting to a household propane supply.

The use of pliers or a wrench should not be necessary. Only cylinders marked "propane" may be used.

**To disconnect:** Turn the hand nut counterclockwise until detached (Fig. 9-1).

**Important:** Before using the unit, and after each time the cylinder is removed and reattached, check the hose for wear (see a.) and check all connections for leaks. Turn off the unit valves and open the main cylinder valve, then check connections with soapy water. Repair any leaks before lighting the unit.

**CAUTION:** Always turn the propane cylinder main valve off after each use, and before moving the unit and cylinder or disconnecting the coupling. This valve must remain closed and the cylinder disconnected while the appliance is not in use, even though the gas flow is stopped by a safety feature when the coupler is disconnected.

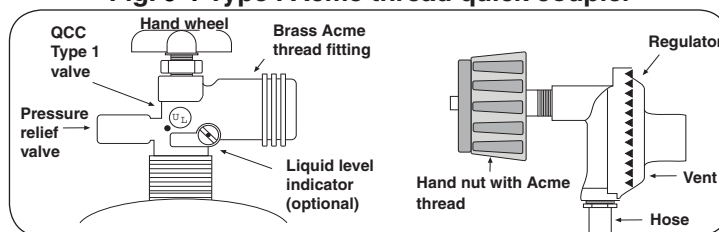
**Carefully** inspect the hose assembly each time before the gas is turned on. A cracked or frayed hose should be replaced immediately.

If the appliance is stored indoors, the cylinder must be disconnected and removed. **Cylinders must be stored out of doors, out of the reach of children,** and must not be stored in a building, garage, or any other enclosed area.

## FOR YOUR SAFETY

- DO NOT store a spare propane-gas cylinder under or near this appliance.
- NEVER fill the cylinder beyond 80-percent full.
- IF THE INFORMATION IN a. AND b. IS NOT FOLLOWED EXACTLY, A FIRE CAUSING DEATH OR SERIOUS INJURY MAY OCCUR.

Fig. 9-1 Type I Acme thread quick coupler



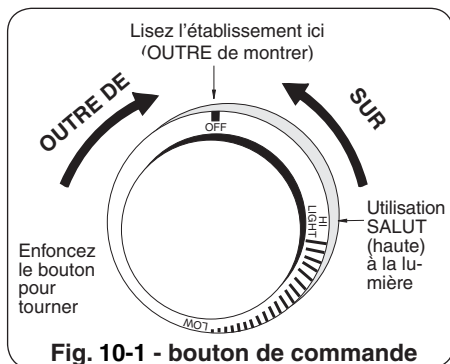
# ALLUMAGE DES INSTRUCTIONS (D'ALLUMAGE)

Lisez toutes les instructions avant l'allumage, et suivez ces instructions chaque fois vous lumière le gril.

## ÉCLAIRAGE ÉLECTRONIQUE

**Note:** L'éclairage électronique exige une batterie installée de 9 volts avec une bonne charge.

1. Ouvrez les couvercles ou enlevez les couvertures des brûleurs pour être Lit.
2. Tournez tous les boutons de commande de gaz à leurs positions de repos.
3. Allumez le gaz à sa source.



4. Diminuez le bouton de commande désiré, et tout en pressant le tour il dans le sens contraire des aiguilles d'une montre dans la position LÉGÈRE de HI. Une fois que le brûleur s'allume, libérez le bouton de commande.

**ATTENTION :** Si un brûleur ne s'allume pas dans cinq (5) secondes d'allumer le bouton de commande, enfoncez le bouton et tournez-le à la position de repos. ATTENDEZ CINQ (5) MINUTES avant de répéter l'étape 4. Si vous sentez le gaz, suivez les instructions sur la couverture de ce manuel. Si les brûleurs ne s'allument toujours pas après que plusieurs tentatives, se rapportent aux instructions pour l'éclairage manuel.

## REPLACEMENT DES BATTERIES D'ALLUMEUR →

Pour remplacer la batterie de neuf-volt actionnant les allumeurs, retirez le support de batterie situé sur le gauche extérieur du panneau de commande. Il peut être nécessaire de soulever le tiroir vers le haut légèrement avant qu'il retire. Démontez la batterie du connecteur et remplacez-la reliant la nouvelles batterie et fermeture le tiroir (voir la fig. le 10- 3).

## EN EMPLOYANT UN RÉSERVOIR DE PROPANE PORTATIF

Des réservoirs de propane sont équipés d'un dispositif d'arrêt de sûreté qui peut ne pas causer le bas ou aucunes pression de gaz/flamme aux brûleurs si le fonctionnement et l'allumage des instructions ne sont pas suivis exactement (voir la note importante dans la section de dépannage pour plus de détails.)

## ÉCLAIRAGE MANUEL

**ATTENTION:** Attendez toujours cinq (5) minutes le gaz pour se dégager après que n'importe quelle tentative non réussie d'éclairage.

1. Suivez les étapes 1 à 3 (à gauche).
2. Insérez un allumeur brûlant de butane de long-baril, une allumette brûlante de long-tige, ou une allumette brûlante tenue par un support de prolongation de fil par la grille à cuire s'ouvrant au brûleur (fig. 10-2). Tenez la flamme contre le bord du brûleur.
3. Tout en tenant l'allumette ou la flamme plus légère à côté du brûleur, diminuez le bouton de commande et tout en pressant le tour il dans le sens contraire des aiguilles d'une montre dans la position LÉGÈRE de HI. Enlevez l'allumeur ou assortissez quand le brûleur s'allume, et libérez le bouton de commande.
4. Si le brûleur ne s'allume pas, enfoncez immédiatement le bouton et tournez la valve à AU LOIN. ATTENDEZ CINQ (5) MINUTES avant de répéter les étapes 2 à 4 des instructions manuelles d'éclairage.

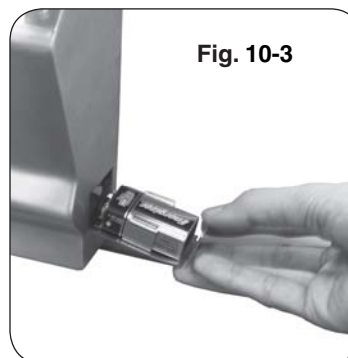


Fig. 10-2 - Éclairage manuel

## ARRÊT DU GRIL

Pour couper le gril, diminuez chaque bouton de commande de valve et, et tout en pressant tour il dans le sens des aiguilles d'une montre à la position de repos.

Fermez toujours la valve de la fourniture de gaz après chaque utilisation du gril.



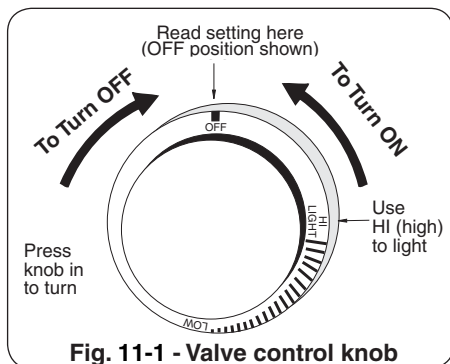
# LIGHTING (IGNITION) INSTRUCTIONS

Read all instructions before lighting, and follow these instructions each time you light the unit.

## ELECTRONIC LIGHTING

**Note:** Electronic lighting requires an installed 9-volt battery with a good charge.

1. Open lid(s) or remove cover(s) from burner(s) to be lit.
2. Turn all gas control knob(s) to their **OFF** position(s).
3. Turn on the gas at its source.



4. Depress the desired control knob, and while pressing turn it counterclockwise to the **HI LIGHT** position. Once the burner lights, release the control knob.

**CAUTION:** If a burner does not light within five (5) seconds of turning on the control knob, depress the knob and turn it to the **OFF** position. **WAIT FIVE (5) MINUTES** before repeating step 4. If you smell gas, follow the instructions on the cover of this manual. If the burners still do not light after several attempts, refer to the instructions for manual lighting.

## REPLACING IGNITOR BATTERIES

To replace the nine-volt battery powering the ignitors, pull out the battery holder located on the outside of the control panel. It may be necessary to lift the drawer up slightly before it will pull out. Disconnect the battery from the connector and replace it connecting the new battery and closing the drawer (see Fig. 11-3).

## WHEN USING A PORTABLE PROPANE TANK

Propane tanks are equipped with a safety shutdown device that may cause low or no gas pressure/flame at the burners if operating and lighting instructions are not followed exactly (See important note in the TROUBLESHOOTING section for more details.)

## MANUAL LIGHTING

**CAUTION:** Always wait five (5) minutes for gas to clear after any unsuccessful lighting attempt.

1. Follow steps 1 through 3 (left).
2. Insert either a burning long-barrel butane lighter, a burning long-stem match, or a burning match held by a wire extension holder through the cooking grid opening to the burner (Fig. 11-2). Hold the flame against the edge of the burner.
3. While holding the match or lighter flame next to the burner, depress the control knob and while pressing turn it counterclockwise to the **HI LIGHT** position. Remove the lighter or match when the burner lights, and release the control knob.
4. If the burner does not light, **immediately depress the knob and turn the valve to OFF. WAIT FIVE (5) MINUTES** before repeating steps 2 through 4 of the **MANUAL LIGHTING** instructions.

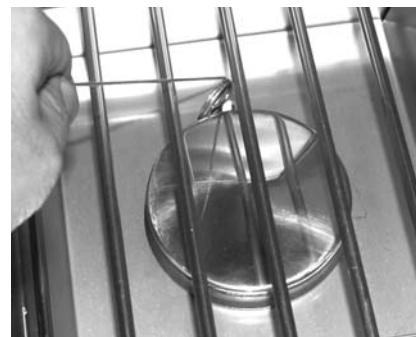
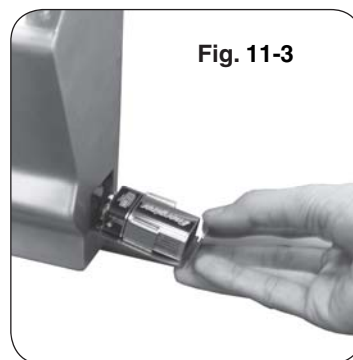


Fig. 11-2 - Manual lighting

## SHUTTING OFF THE UNIT

To shut off the unit, depress each valve control knob and, while pressing turn it clockwise to the **OFF** position.

Always close the valve from the gas supply after each use of the unit.



## SIDEBURNER NOTES PAGE

Please use this page to record any information about your sideburner that you may want to have at hand.

## CARE & CLEANING

### CARE AND CLEANING

Your new Fire Magic® unit represents the latest and most advanced technology available. In order to continue to enjoy the benefits of your unit and to protect your investment, we recommend the following:

Cover your unit with a Fire Magic® cover when not in use (see section below).

Clean it with Fire Magic® stainless-steel grill cleaner at least once a month (see Fig. 13-1).

**Note:** Due to the nature of stainless steel, surface iron oxide deposits may appear. Do not be alarmed – these deposits are removable with stainless-steel cleaner through periodic maintenance.

**BE SURE THE UNIT IS OFF AND COOL BEFORE CLEANING.**

Check and clean the burner ports and carry-over slits for blockage at least annually by removing the burner (see orifice changing instructions) and visually inspecting the burner inlet for insects and nests. A clogged burner can lead to a fire beneath the unit.

The inside of the unit may be cleaned periodically with oven cleaner if desired. Follow the oven cleaner instructions for proper use.

By following these recommendations, you will enjoy the beauty and power of your unit for many years to come.



Fig. 13-1 - Wipe with grain

## COVER

### PROTECTING YOUR UNIT

An optional heavy-duty cover will protect your unit's finish and preserve your investment. The water-repellent material will protect your unit from the weather.

Make sure to give the model number of your unit when ordering a cover.

**Important:** Allow your unit to cool before covering.

**Important:** Always close the gas-supply shutoff valve to the unit. If storing the unit for a long period of time, disconnect the unit from the gas supply completely.

Always check the burners before using the unit if it has been unused over a long period. Look for obstructions that may hamper performance and safe operation of your unit.



Fig. 13-3

# FIRE MAGIC® OUTDOOR GAS GRILL LIMITED WARRANTY

**PLEASE COMPLETE AND RETURN YOUR REGISTRATION CARD, WHICH IS INCLUDED WITH YOUR FIRE MAGIC® GRILL**

**LIFETIME WARRANTY** - Fire Magic® cast stainless-steel burners, stainless-steel rod cooking grids, and stainless-steel housings are warranted for as long as you own your Fire Magic® grill.

**FIFTEEN-YEAR WARRANTY** - Fire Magic® cast brass burners, brass valves, backburner assemblies (except ignition parts), and manifold assemblies are warranted for 15 years from the date of purchase of your Fire Magic® grill.

**THREE-YEAR WARRANTY** - Fire Magic® sideburners and all other Fire Magic® grill components (except ignition and electronic parts) are warranted for three (3) years from the date of purchase of your Fire Magic® grill.

Fire Magic® ignition systems (excluding batteries), electronic components (including lights and thermometers), and accessories are warranted for one (1) year from date of purchase.

**PLEASE KEEP A COPY OF YOUR SALES SLIP FOR PROOF OF PURCHASE**

This warranty applies to the original purchaser and to single family residential use only. It commences from date of purchase, and is valid only with proof of purchase.

This warranty does not cover parts becoming defective through misuse, accidental damage, electrical damage, improper handling, storage, and/or installation. Product must be installed (and gas must be connected) as specified in the instructions or operator's manual, by a **qualified professional installer**. Accessories, parts, valves, remotes, etc., when used must be Peterson Co. product.

This warranty **does not** apply to rust, corrosion, oxidation, or discoloration, unless the affected component becomes inoperable. It **does not** cover labor or labor-related charges.

This warranty specifically excludes liability for **indirect, incidental**, or consequential damages. Some states do not allow the exclusion or limitation of incidental or consequential damages, so the above exclusion may not apply to you. This warranty gives you specified legal rights, and you may have other rights that may vary from state to state.

For additional information regarding this warranty, or to place a warranty claim, contact the R.H. Peterson dealer where the product was purchased.

## ROBERT H. PETERSON CO.

Quality Check

Date: \_\_\_\_\_

Orifice # (Main): \_\_\_\_\_

Orifice # (Other): \_\_\_\_\_

Leak Test: \_\_\_\_\_

Burn Test: \_\_\_\_\_

Gas Type: NAT. / PROPANE

Model #: \_\_\_\_\_

Serial #: \_\_\_\_\_

Air Shutter: \_\_\_\_\_

Inspector: \_\_\_\_\_