EST. IN ARIZONA

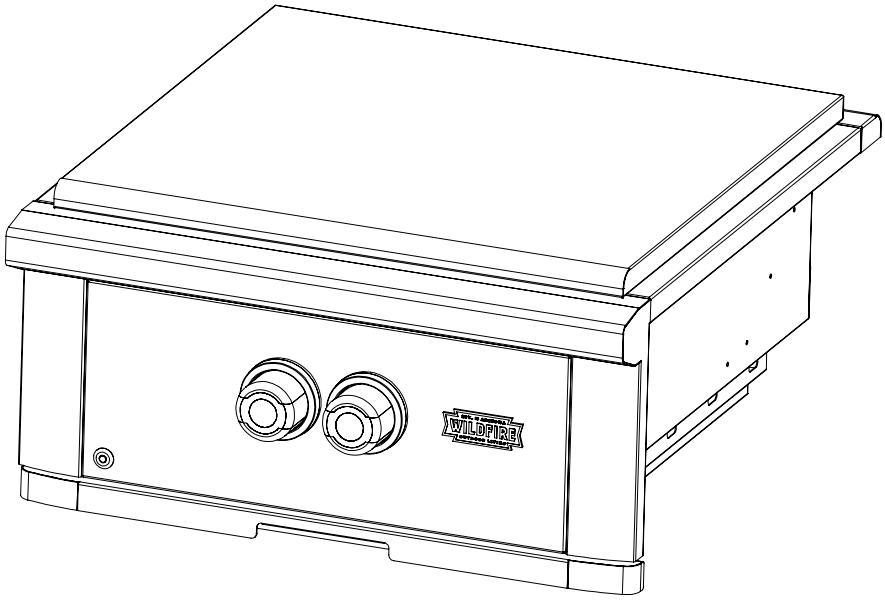
WILDFIRE

OUTDOOR LIVING

Stainless Steel Gas Power Side Burner

Operational Manual

For Liquid Propane and Natural Gas Models



Conforms to ANSI STD Z21.58-2018
Certified to CSA STD 1.6-2018
Outdoor Cooking Gas Appliance

AFFIX SERIAL NUMBER LABEL HERE

IMPORTANT: Read all instructions and warnings before using this product! Use of this product, as with any similar outdoor power burner, will involve risks from high temperatures and from exposure to smoke and fumes. Please exercise caution and common sense.

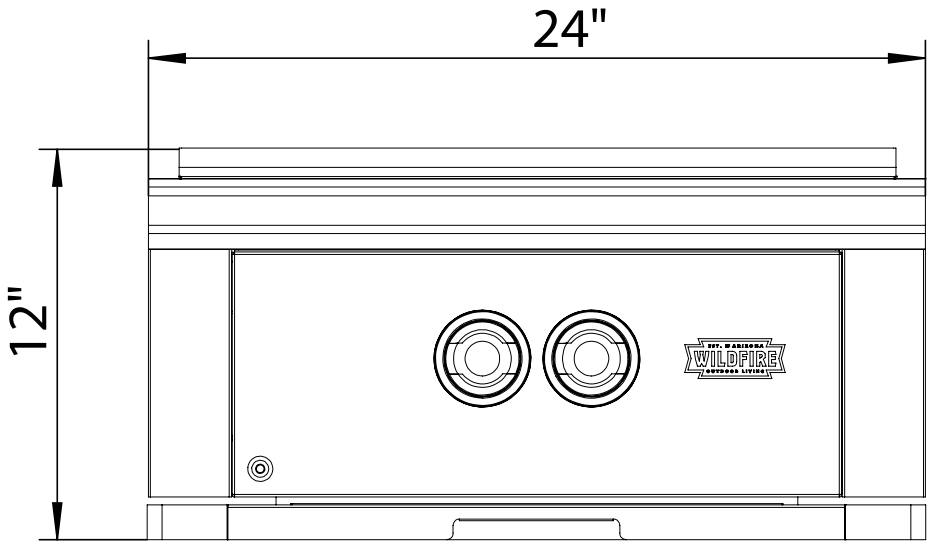
To installer or person assembling Power burner: Leave this manual with Power burner for future reference.

To consumer: Keep this manual for future reference as it contains important Warnings and Instructions.

ACTION NEEDED – FIRST TO DO

REMOVE PROTECTIVE FILM - Always be sure to remove the protective film before using any grills, griddles, or burners for the first time! Remove protective film from inside and/or outside of products.

FOR OUTDOOR USE ONLY



Slide-In Power Burner

WF-POWBRN-RH-NG/LG

Welcome to Wildfire Outdoor Living

Please read this manual carefully to understand all the instructions about how to install, operate and maintain your power burner for your safety and for optimum performance and longevity. We know you'll enjoy your new power burner and thank you for choosing our product. We hope you consider us for future purchases.

Read and save the instructions

Obey all Warnings and Instructions.
This Manual provides specific operating instructions for your model. Use your power burner 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 any appliance. If you lose this Manual, a replacement copy can be downloaded from our website at **www.wildfireoutdoorliving.com** or call Customer Service at 602-344-4840.

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⚠DANGER

DANGER means if the danger is not avoided. It will cause death or serious injury.

⚠WARNING

WARNING means if the warning is not heeded. It can cause death or serious injury.

⚠CAUTION

CAUTION means if the precaution is not taken. It can cause minor or moderate injury or property damage.

⚠ DANGER ⚠

IF YOU SMELL GAS:

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

⚠ WARNING ⚠ DANGER ⚠

WARNING:

1. DO NOT store or use gasoline or other flammable liquids or vapors in the vicinity of this or any other appliance.
2. A Liquid Propane (LP) cylinder not connected for use shall not be stored in the vicinity of this or any other appliance.

FOR OUTDOOR USE ONLY:

NEVER operate power burner in enclosed areas, as this could lead to gas accumulating from a leak, causing an explosion or a carbon monoxide buildup which will result in injury or death.

DO NOT use your power burner in garages, breezeways, sheds or any enclosed area. NOT FOR USE BY CHILDREN. If these instructions are ignored, a hazardous fire or explosion could result in physical injury, death or property damage!

Important Warnings and Safety Instructions

⚠ CAUTION ⚠

Improper installation, adjustment, alteration, service, maintenance or use can cause injury or property damage. Read the installation, operating and maintenance instructions thoroughly before installation or servicing of this equipment.

General Safety Instructions

1. For Outdoor Use Only.
2. Wildfire power burners are only intended for residential use and are not intended for commercial use, where anyone other than the original purchaser (homeowner) would be using and maintaining the Power burner.
3. NEVER use indoors or in any type of enclosed area, such as a garage, shed or breezeway. Keep clear of trees and shrubs. The power burners are not intended for installation in or on recreational vehicles, portable trailers, boats or any other moving installation.
4. To reduce the risk of serious or fatal injury from breathing toxic fumes and from explosion and fire as a result of leaking gas, use only outdoors in an open area with good ventilation. NEVER obstruct the flow of combustion and ventilation air.
5. Fire Hazard: The area surrounding your new Power burner should be kept clean and free from flammable liquids and other combustible materials such as mops, rags or brooms, as well as solvents, cleaning fluids, lighter fluid and gasoline.
6. NEVER use the power burner in windy conditions. If located in a consistently windy area (oceanfront, mountaintop, etc.), a wind break is required. Always adhere to the clearances. Specified on the "Locating the Power burner" section of this manual.
7. NEVER leave the power burner unattended while cooking.
8. Risk of Explosion: NEVER use natural gas in a unit designed for liquid propane gas or vice versa.
9. Do not use lighter fluid in/on a gas power burner.
10. NEVER allow children to use or play near the power burner. Keep children and pets away from a hot power burner at all times
11. Installation and any repairs or replacement of parts should be performed by a qualified service technician. If you are not qualified to install, repair, or replace parts of your power burner, please retain a qualified professional contractor or technician to do so.
12. Burn Hazard: NEVER lean over an open power burner. Do not place clothing or other flammable material on or near the power burner. Do not wear loose-fitting clothes or long sleeves while using the power burner as some fabrics can be highly flammable and, if ignited, may result in personal injury or death.
13. Burn Hazard: When using the power burner, do not touch the power burner rack, burner grate, or immediate surroundings as these areas become extremely hot and can cause burns. Always use a covered/gloved hand when opening the Power burner hood and only do so slowly to allow heat and steam to escape.
14. ALWAYS: have an ABC fire extinguisher accessible.
15. NEVER attempt to extinguish a grease fire with water or other liquids as this may cause a flashback that could result in personal injury or death.
16. NEVER use aluminum foil to line the power burner racks or the drip trays, this can alter airflow for proper combustion and also build up heat in the control area causing damage to the knobs.
17. NEVER allow grease or other hot material to drip from the power burner onto the valve, hose, or regulator. If that occurs, turn off the fuel supply immediately. After the power burner has cooled, determine the cause of the dripping and correct it. After cleaning the valve, hose and regulator, perform a soapy water leak test before continuing use. If a leak is discovered, call a qualified technician for service.

General Safety Instructions (continued)

18. NEVER heat any unopened glass or metal container of food on the power burner. Pressure may build up and cause the container to burst, possibly resulting in death, serious personal injury, or property damage.
19. ALWAYS: Keep any electrical supply cords away from water or heated surfaces. Electrical cords should be placed away from walkways to avoid tripping hazard.
20. ALWAYS: Keep gas supply lines as short as possible.
21. NEVER move the power burner when hot.
22. NEVER use power burner while under the influence of drugs or alcohol.
23. NEVER store a spare gas cylinder under or near your power burner.
24. Fire Hazard: NEVER power burner without the drip tray in place; hot grease could leak downward and produce a fire or an explosion. Drip tray should be pushed all the way to the rack located just under the power burner.
25. Fire Hazard: Grease is extremely flammable. Let hot grease cool down before attempting to handle or dispose of it. After use and cool-down, the drip tray should be cleaned on a regular basis and kept free of grease.
26. In the event that a burner goes out, turn burner knobs to the full OFF position, fully open the power burner hood and let it air out. NEVER attempt to use the Power burner until the gas has had time to dissipate.
27. Do not use a power burner until a leak check has been completed.
28. ALWAYS: Turn off the LP cylinder tank valve when your power burner is not in use.
29. ALWAYS: Ensure the control knobs are in the "OFF" position when not in use.
30. ALWAYS: Use only a Ground Fault Interrupter (GFI) protected circuit with this outdoor cooking gas appliance.

⚠ WARNING ⚠

DO NOT RELY JUST ON THIS SAFETY SECTION. USE CAUTION AND COMMON SENSE AT ALL TIMES.
PLEASE READ THE REST OF THIS MANUAL CAREFULLY FOR OTHER IMPORTANT SAFETY WARNINGS.

CALIFORNIA PROPOSITION 65 - WARNING: The burning of gas cooking fuels (propane gas) generates some byproducts (including Benzene) which are on the list of substances which are known by the State of California to cause cancer (birth defects) or reproductive harm. California law requires businesses to warn customers of potential exposure to such substances. To minimize exposure to these substances, always operate this unit according to the Use and Care Manual, ensuring you provide good ventilation when cooking with gas.

Limited Lifetime Warranty

TO THE MAXIMUM EXTENT PERMITTED BY LAW, THIS LIMITED LIFETIME WARRANTY AND THE REMEDIES SET FORTH BELOW ARE EXCLUSIVE AND IN LIEU OF ALL OTHER WARRANTIES, REMEDIES AND CONDITIONS, WHETHER ORAL OR WRITTEN, EXPRESS OR IMPLIED. TO THE MAXIMUM EXTENT PERMITTED BY LAW, WILDFIRE OUTDOOR LIVING ALSO SPECIFICALLY DISCLAIMS ANY AND ALL IMPLIED WARRANTIES, INCLUDING, WITHOUT LIMITATION, WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE.

WILDFIRE OUTDOOR LIVING PRODUCTS LIMITED LIFETIME WARRANTY –Wildfire Outdoor Living warrants to the original purchaser at the original site of delivery with proof of purchase of each Outdoor gas power burner/power burner that when subject to normal residential use, it is free from defects in workmanship and materials. This warranty excludes Power burners used in rental and commercial applications. This warranty excludes surface corrosion, scratches and discoloration which may occur during normal use. It does NOT cover labor or labor related charges. There will be shipping and handling charge for the delivery of the warranty part(s).

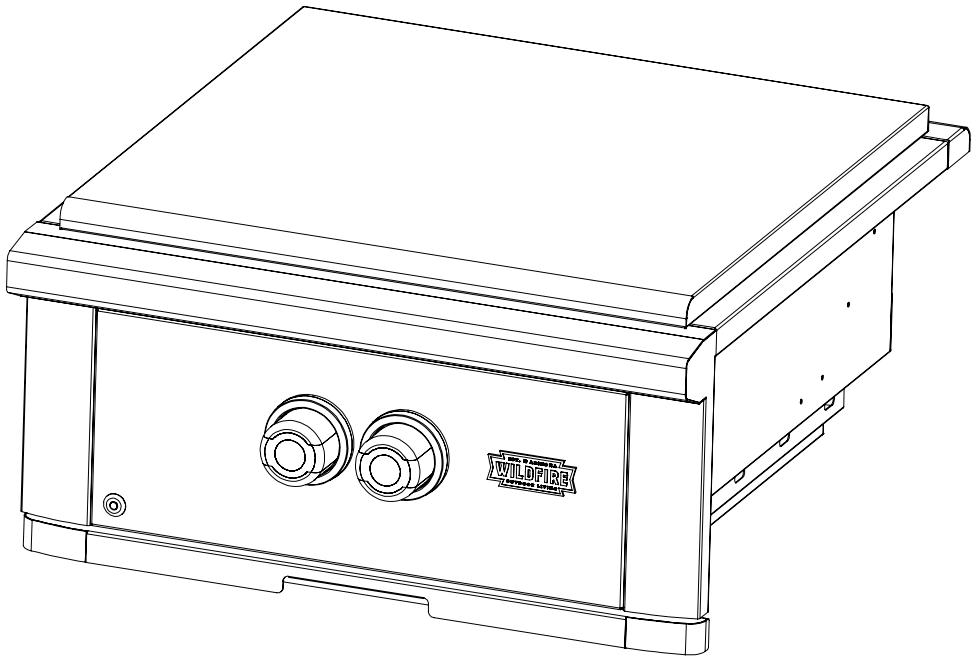
This product has a limited lifetime warranty that starts at date of purchase and continues throughout the life of the product.

Under this warranty, Wildfire has the option to repair or replace any defective part of the product during the warranty period. This warranty does not cover normal wear of parts, damage resulting from any of the following: negligent use or misuse of the product, use on improper fuel/gas supply, use contrary to operating instructions, or alteration by any person other than a factory service center. The warranty period is not extended by such repair or replacement.

WARRANTY CLAIM PROCEDURE: If you require service or parts for your Wildfire power burners, please contact our Warranty Service Center for factory direct assistance. Our hours of operation are 8 am to 4:30 pm MST. The phone number is 602-344-4840 and the email address is **support@wildfireoutdoorliving.com**. Please have your model number, serial number and proof of purchase available for any warranty claim.

Wildfire Outdoor Living may require the return of defective parts for examination before issuing replacement parts. If you are required to return defective parts, shipping charges must be prepaid by the customer. Upon examination and to Wildfire Outdoor determination, if the original part is proven defective, Wildfire Outdoor Living may approve your claim and elect to replace such parts without charge. In every instance, the customer is responsible for shipping and handling of replacement parts. Component repair or replacement is the exclusive remedy under this limited warranty and Wildfire Outdoor Living shall not be liable for any incidental or consequential damages.

Slide-In Power Burner Models



Slide-In Power Burner

WF-POWBRN-RH-NG/LP

Model No.	Product Dimensions W x D x H	BTU/HR	Burner(s)	Knob Lights	Electric Required
WF-POWBRN-RH-NG/LP	24" x 25-1/4" x 12"	60,000	1 Burner	Yes	Yes - Qty 1

* Each burner is capable of producing up to 60,000 BTUs. Each power burner has been optimized for fuel efficiency and cooking performance. Please contact Wildfire Customer Service for additional information on BTU output.

Locating the Power Burner

Check your local building codes for the proper method of installation. In the absence of local codes, this unit should be installed in accordance with the National Fuel Gas Code No. Z223. 1-1998 USA or CAN/CGA-B149.1/.2 Natural Gas/Propane Code (Canada) latest edition or the National Electrical Code ANSI/NFPA No. 70 or the Canadian Electrical Code CSA C22.1, 1990 or latest version.

- Before installing built-in power burners in enclosures, copy all product information such as model number, serial number and type of power burner (e.g. NG or LP) and store information in a safe place.
- If the power burner is installed by a professional installer or technician, be sure that he or she shows you where your gas supply shut-off is located. All gas lines must have a shut-off that is readily and easily accessible. If you smell gas, check for gas leaks immediately. Check only with a soap and water solution. Never check for gas leaks with an open flame.

Notice: We strongly recommend professional installation of your WILDFIRE power burner. These instructions provide the measurements necessary to construct a masonry structure to house your outdoor gas Power burner.

IMPORTANT: Gas fittings, regulator, and installer supplied shut-off valves must be easily accessible.

⚠ DANGER ⚠

LOCATION OF YOUR Power Burner:

Locate the power burner only outside in a well-ventilated area. Never locate the power burner in a building, garage, breezeway, shed or other such enclosed areas without an approved ventilation system. When in use, the power burner will generate a lot of smoke. When installing your power burner, select an outdoor location that will ensure there is adequate area for the smoke to dissipate IN ORDER TO AVOID INHALATION OF POTENTIALLY TOXIC FUMES.

Ventilation Requirements for Proper Operation of Your Wildfire Power Burner

- Ventilation for a gas power burner is absolutely mandatory to ensure that your power burner performs as intended and to ensure the safety of you, your family, and guests. Proper ventilation is necessary to allow heat inside your power burner to escape and also to allow any gas that has leaked from a tank or connection to escape before a buildup of such gas can occur and possibly ignite.

⚠ DANGER ⚠

Failure to provide proper ventilation cause a risk of bodily injury or death.

- If you elect to install your power burner into an island, the island itself must be ventilated properly. Any such island must have a minimum of 2 vents (but optimally 4 vents) per cabinet that has any sort of gas supply or connection. Each vent must be at least 20 sq. inch in size and have access to outside/fresh air. Those vents will allow heat that is trapped inside due to wind to be able to dissipate out of the island vents. However, if the island is not ventilated properly and the wind is coming from the back, then the heat will try to escape through the easiest exit, which will most likely be through the bottom of the power burner and front control panel.

Locating the Power Burner

⚠ WARNING ⚠

- A simple way to think of what is occurring inside your power burner is that when your burners are on, they are emitting a flame that creates the heat to cook your food. This heat must exhaust or escape from the power burner, otherwise you would eventually have a unit that would not only build up intense heat but also dangerous pressure. This could cause severe damage to not only the power burner but any operators or people or property near-by. The power burner itself allows for ventilation mainly through the rear of the unit above the rear panel but below the top of the hood. However, wind can act as a barrier to ventilation and exhaust. This blockage of exhaust can cause problems and hazardous conditions. Therefore, great care must be taken in selecting a location for your power burner and in the installation of it into any masonry island or other outdoor structure. This can cause the control panel and knobs to get hot to the touch and possibly even burn your fingers, not to mention that it can melt all rubber gaskets on the valves and damage the ignition system to where it will need full replacement.
- Ventilation and typical wind direction and conditions must always be considered when planning your outdoor cooking island. Just the same as you would plan the layout and measure your indoor kitchen, you must also do the same for the outdoors.

Clearance:

- **FROM NON-COMBUSTIBLE MATERIALS:** Wildfire power burners can be placed directly on, or adjacent to, non-combustible materials, subject to ventilation requirements. The hood on a Wildfire power burner pivots mainly on the body. If you have a wall or partition behind the unit that would block ventilation, then a minimum of 7" clearance from the back of the power burner to the wall is needed for the purpose of ventilation. If you do not have a wall or partition blocking the ventilation of the unit, then you only need an extra 2" behind the unit for the hood to open fully. If you wish to use the rotisserie option, you will want to make sure that you leave adequate space (at least 6") on each side of the Power burner so that the motor and rotisserie spit handle will have room on the counter, as these extend past the overall dimensions of the Power burner body.
- **FROM COMBUSTIBLE MATERIALS:** Wildfire power burners must have at least 24" clearance from any combustible materials (in any direction) for the safety of the homeowner and for any Wildfire Warranty to remain in effect.

⚠ DANGER ⚠

- You CANNOT locate the power burner under any combustible material without an approved ventilation system located directly above the unit. To elaborate, Wildfire defines an approved ventilation hood as:
- The ventilation hood chosen must be UL certified, produced for outdoor use and must be installed according to the hood manufacturer’s specifications.
- The hood must be installed at least 30" above the top of the cooking surface.
- The hood must be at least 6" wider that the power burners frame (3" on each side), not just the cooking surface.

For Built-in Installations

A built-in power burner is designed for easy installation into masonry enclosures. For non-combustible applications, the power burner drops into the opening (as shown in cut-out detail drawing - Fig. A) and hangs from the power burner body itself. A bottom deck is not required to support the Power burner from the bottom. It is also required that:

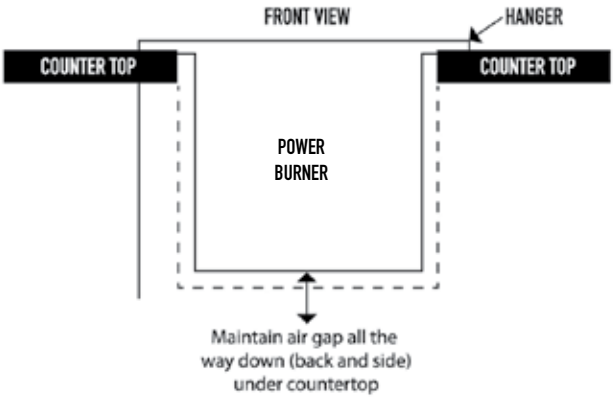
- A minimum of two ventilation holes in the enclosure, of at least 20 sq. inches in size (per vent), must be present to help release any leaking gas from the enclosure.
- As propane is heavier than air, for propane Power burners locate your vents at the tank valve height or lower
- As Natural Gas is lighter than air, for natural gas power burners locate your vents at the gas connection height or higher
- The counter should be flat and level relative to the floor.

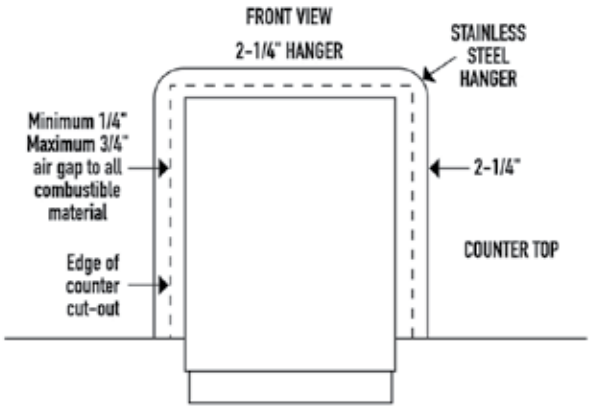
⚠ WARNING ⚠ LP TANK STORAGE MUST BE ISOLATED IN A SEPARATE COMPARTMENT FROM THAT OF THE POWER BURNER AND IT MUST BE VENTED AS WELL.(RECOMMEND BOTTOM VENTS FOR LP)

The two illustrations demonstrate how the slide-in type unit is designed to fit into open- front enclosures, and supported at the Countertop.

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.

Fig. A



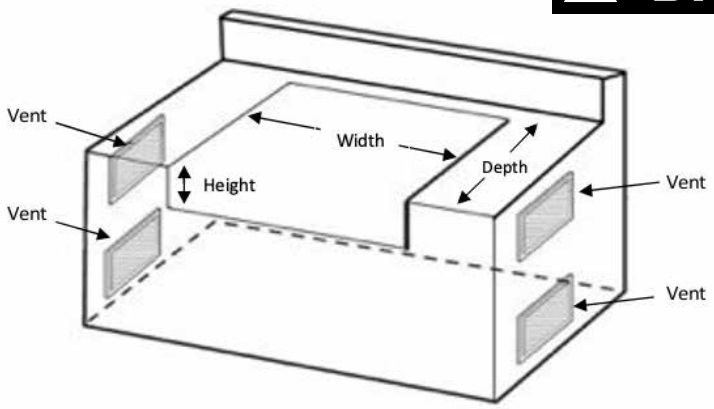


High Elevation Installation and Use

Wildfire power burners are designed to operate most efficiently at 0-2000 feet above sea level. From 2000-4000 feet above sea level you will not notice any substantial decrease in your heat, although more gas is combusting within the burners due to less oxygen. Above 4000 feet, you may experience longer cooking times on your power burner than experienced at sea level. This is due to the air/fuel mixture taking place within the burners. If you have questions or concerns regarding your location or elevation, please contact Wildfire Customer Service for assistance.

Cut out Dimensions Figure A

⚠ DANGER ⚠



Minimum of 2 vents, but optimally 4 vents, per cabinet that has any sort of gas supply or connection. Each vent must be at least 20 sq inch in size and have access to outside/fresh air.

Two vents on each side will facilitate and improve airflow and ventilation

Model	Cutout Dimensions			Overall Dimensions			Total BTU Ratings		Electrical Outlets Needed (120V)
Power burner	Height	Width	Depth	Height	Width	Depth	LP	NG	Knob Lights
WF-POWBRN-RH-NG/LP	10-1/4"	22-1/4"	21-1/2"	12"	24"	25-1/4"	60,000	60,000	Yes

Gas Requirements

NOTE: Wildfire strongly recommends that a qualified service technician perform the initial installation and all conversions or modifications to the gas supply.

⚠ WARNING ⚠

Never attach an unregulated gas line to the appliance. Connection to an unregulated gas line can cause excessive heat or fire and the risk of property damage, bodily injury, or death.

IMPORTANT: Before connecting your power burner to a gas source, make sure power burner control knobs are in the "OFF" position.

- Verify the type of gas supply to be used, either natural or liquid propane, and make sure the marking on the appliance rating label agrees with that of the gas supply. Do not connect a Wildfire liquid propane gas Power burner to a natural gas supply, and do not connect a Wildfire natural gas power burner to a liquid propane gas supply.
- All pipe sealants must be an approved type and resistant to the actions of LP gas. Never use pipe sealant on flare fittings.
- The installation of this appliance must conform with local codes or, in the absence of local codes, with either National Fuel Gas Code, ANSI Z223.1/ NFPA 54, Natural Gas and Propane Installation Code, CSA B149.1, or Propane Storage and Handling Code, B149.2, or the Standard for Recreational Vehicles, ANSI A 119.2/ NFPA 1192M, and CSA Z240 RV Series, Recreational Vehicle Code, as applicable.

⚠ WARNING ⚠

Gas valves are preset at the factory to operate on liquid propane or natural gas. If you wish to convert, be sure to contact your power burner dealer FIRST!

REMOVING PROTECTIVE FILM

Please notice that certain parts of the grill are covered in protective wrapping on stainless steel surface. It is a protective plastic coating. We put it on certain parts of the stainless steel to help protect them from getting scratched during shipping.

You MUST REMOVE first before using grill. If you are still having a tough time removing the protective coating, by waving a hair dryer over the area will loosen up the plastic and make it easier to remove.

Always be sure to remove the protective film before using the grill for the first time!

Liquid Propane Gas Supply

Always check the rating plate to make sure gas supply to which you connect the power burner is the gas type for which the power burner is manufactured. A Wildfire liquid propane (LP) gas power burner is designed to operate on propane gas ONLY, at a pressure regulated at 11" (279.4mm) water column (W.C.) when equipped with the correct propane orifices on the valves and a propane regulator on the supply line regulated at the residential meter. A Wildfire liquid propane gas power burner comes with a propane regulator that is designed to be used with a standard 20 lb. gas cylinder and those cylinders must be constructed and marked in accordance with specifications of the US Department of Transportation for propane gas cylinders.

⚠ DANGER ⚠

- Liquid propane (LP) gas is flammable and hazardous if handled improperly. Know its characteristics before using any propane products.
- Propane characteristics include: flammable, explosive under pressure, heavier than air and settles in pools and low areas.
- In its natural state, propane has no odor. For your safety, an odorant typically is added. ALWAYS purchase or refill your propane tanks from a reputable propane gas supplier.
- Contact with propane can cause freeze burns to the skin.
- NEVER use a propane cylinder with a damaged body, valve, collar, or footing.
- A dented or rusted propane cylinder may be hazardous.
- Always keep LP cylinder securely fastened in an upright position.
- Never connect an unregulated propane gas cylinder to the Power burner.
- NEVER subject (expose) propane cylinders to excessive heat.

⚠ CAUTION ⚠

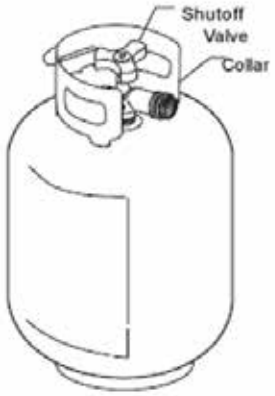
- Never store an LP gas cylinder inside a building or in the vicinity of any gas-burning appliance.

⚠ CAUTION ⚠

Cylinder Specifications

- Any L.P. gas supply cylinder used with this Power burner must be approximately 12 inches diameter and 18 inches high. The maximum fuel capacity is 80% and is approximately 20 pounds of propane.
- The L.P. cylinder must have a shut-off valve (see picture) terminating in a Type 1 L.P.
- A Type 1 compatible cylinder with a Type 1 cylinder valve has a back-check valve which does not permit gas flow, until a positive seal has been obtained.
- The cylinder must be arranged for vapor withdrawal. It must also include a collar to protect the cylinder valve. A safety relief device having direct communication with the vapor space of cylinder must be provided. This will expel high pressure gas if the cylinder is overfilled or overheated which could result in fire or explosion.

- All L.P. gas cylinders used with this appliance shall be constructed and marked in accordance with the specifications for L.P. gas cylinders of the U. S. Department of Transportation (DOT) or the National Standard of Canada, CAN/CSA-B339, Cylinders, Spheres and Tubes for Transportation of Dangerous Goods; and Commission, as applicable; and shall be provided with a listed overfilling prevention device.

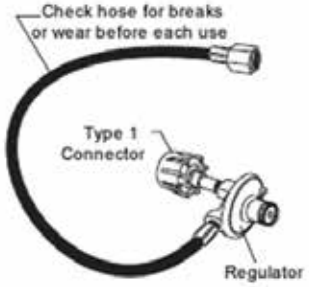


- Read labels on the L.P. Gas Supply Cylinder.
- New cylinders are always shipped empty for safety.
- Allow only qualified L.P. gas dealers to fill or repair your L.P. gas supply cylinder.
- Inform the gas dealer if it is a new or used cylinder to be filled.
- After filling, have the gas dealer check for leaks and to see that the relief valve remains effective and in good repair.

Hose and Regulator (Comes standard with the power burner)

The Type 1 connection system has the following features:

- The system will not allow gas to flow until a positive connection has been made.



⚠ CAUTION ⚠

The cylinder control valve must be turned off before any connection is made or removed.

- The system has a thermal element that will shut off the flow of gas in the event of a fire.
- The system has a flow limiting device which, when activated, will limit the flow of gas to 10 cubic feet per hour.
- NEVER use Power burner without leak testing this connection.

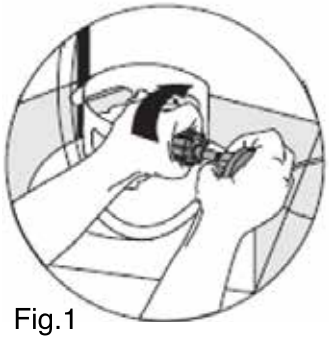


Fig.1

LP (Propane) Gas Supply Connection

1. The tank valve should be in the "OFF" position. If not, turn the knob clockwise until it stops.
2. Make sure all burner valves are in the "OFF" position.
3. Always connect the gas supply regulator as follows:

   Insert the regulator inlet into the tank valve and turn the coupling nut clockwise until the coupler tightens up (see Figure 1). Do not over-tighten the coupler. Turn the main tank valve on, and turn the burner control valves on the unit to the "HIGH" position for about 20 seconds to allow the air in the system to purge before attempting to light the burners.

Pre-Operation Leak Testing

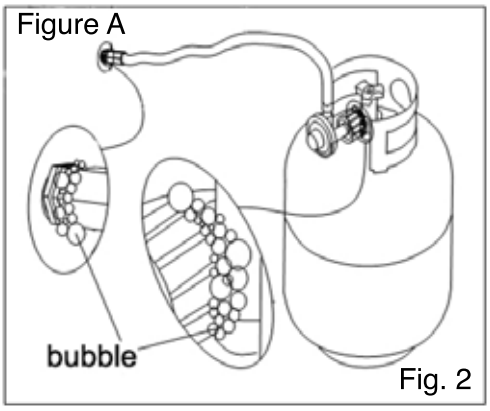
⚠ DANGER ⚠

1. Do not insert any tool into the valve outlet or safety relief valve. You may damage the valve and cause a leak. Leaking propane may result in explosion, fire, severe personal injury, or death.
2. If a leak is detected at any time, or you cannot stop a gas leak, immediately close the tank's shut-off valve (gas supply from LP tank to the Power burner) and call LP gas supplier or your fire department!
3. Check all gas supply fittings before each use and each time the gas supply cylinder is connected to the regulator. Have a qualified service technician leak test the Power burner any time a part of the gas system is replaced.

⚠ WARNING ⚠

Never attempt to attach this power burner to the self-contained LP gas system. Do not use the Power burner until leak testing has been completed.

Leak Testing Valves, Hose, and Regulator



1. NEVER smoke while leak testing.
2. Extinguish all open flames. Never leak test with an open flame.
3. Mix a solution of mild detergent or liquid soap and water.
4. Turn all Power burner control knobs to OFF.
5. Ensure that the connections from the regulator to the power burner and tank are tight and secure (Figure A).
6. Completely open LP tank valve by turning cylinder valve knob counterclockwise. If you hear a rushing sound, turn gas off immediately. There is a major leak at the connection. Correct before proceeding by calling the Wildfire Customer Service line at 602-344-4840.
7. If no rushing sound, brush soapy solution onto areas where bubbles are shown in LP tank (Figure 2).
8. If "growing" bubbles appear, there is a leak. Close LP tank valve immediately and retighten connections. If leaks cannot be stopped, do not try to repair the regulator, or tank valve, by yourself and contact the Wildfire Customer Service line at 602-344-4840.
9. Always close LP tank valve after performing leak test by turning cylinder valve knob clockwise.

⚠ WARNING ⚠

NOTE: When leak testing this appliance, make sure to test and tighten all loose connections. A slight leak in the system can result in a low flame, or a hazardous condition that could result in a fire or explosion.

LP Gas Supply Cylinder Disconnection

In order to disconnect the LP tank from the power burner:

1. Turn the burner valves off.
2. Turn the tank valve off. (Turn shut-off clockwise to stop).
3. Detach the regulator assembly from the tank valve by turning the quick coupling nut counterclockwise.

LP Tank Removal, Transport and Storage

- Turn OFF all control knobs and LP tank valve. Turn coupling nut counterclockwise by hand only - do not use tools to disconnect.
  Install safety cap onto LP tank valve. Always use cap and strap supplied with valve.

⚠ WARNING ⚠

Failure to use safety cap as directed may result in serious personal injury and/or property damage.

A disconnected LP tank in storage or being transported must have a safety cap installed (Figure 3).

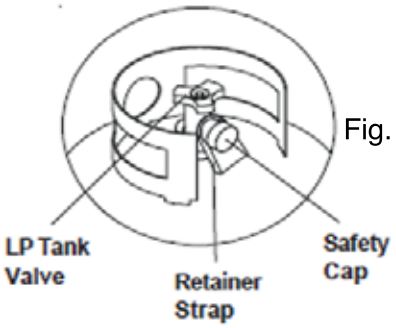


Fig. 3

- Never leave a LP tank inside a motor vehicle. (Heating of the vehicle could cause an increase in the gas pressure which may open the release vale allowing gas to escape resulting a serious risk of fire or explosion.)
- Do not store an LP tank in enclosed spaces such as a store room, garage, shed, covered patio or other building.
- Do not store LP tank in an area where children play.

LP Tank Filling

- Use only licensed and experienced LP dealers.
- LP dealer must purge tank before filling.
- Dealer should NEVER fill LP tank more than 80% of LP tank volume. Volume of propane in tank will vary by temperature.
- A frosty regulator indicates gas overfill. If frosty, immediately close LP tank valve and call local LP gas dealer for assistance.
- Do not release liquid propane (LP) gas into the atmosphere. This is a hazardous practice.
- To remove gas from LP tank, contact an LP dealer or call a local fire department for assistance.

LP Tank Exchange

- Exchange your Type 1 cylinder for OPD safety feature-equipped replacement tank ONLY.
- Always keep new and exchanged LP tanks in upright position during use, transit or storage.
  Leak test new and exchanged LP tanks BEFORE connecting to Power burner.

Large Capacity Propane Tanks and Homes:

If your entire house is plumbed for propane gas use, and you have an exterior connection for such use, then a standard LP Power burner from Wildfire can be connected to such outdoor propane connection, but you must be aware of the following:

- Wildfire does not supply any gas fittings or lines, other than the regulator needed within the power burner box.
- All Wildfire LP power burners come with a 20lb tank regulator. This regulator cannot be used or modified to work on any other setup.

⚠ WARNING ⚠

- If you are running off of a large capacity tank (more than 20lbs), then an "in-line" LP regulator is needed, which can be purchased from any Wildfire authorized dealer or plumbing supply company. However, it is the responsibility of the owner/installer to verify that the correct regulator is purchased for the intended application and that it is installed properly.
- As codes vary from state to state, it is the responsibility of the owner/installer to ensure that all county, state and federal codes are followed for any gas installation.

NATURAL GAS SUPPLY

Always check the rating plate to make sure the gas supply to which you connect the power burner is the gas type the power burner is manufactured for.

⚠ CAUTION ⚠

A Wildfire natural gas (NG) power burner is designed to operate on natural gas ONLY, at a pressure regulated at 4" (101.6mm) water column (W.C.) when equipped with the correct natural gas orifices on the valves and a natural gas regulator on the supply line regulated at the residential meter.

⚠ CAUTION ⚠

Never connect the Power burner to an unregulated gas supply.

NATURAL GAS CONNECTIONS MUST BE PERFORMED BY A LICENSED CONTRACTOR OR LOCAL GAS COMPANY REPRESENTATIVE.

Natural Gas Regulator

⚠ WARNING ⚠

NEVER use Power burner without leak testing this connection.
Natural gas regulator model: GR120

Gas pressure: 4" (101.6mm)

Maximum rate working pressure: 1/2 Psig

Leak Testing Valves, Hose, and Regulator

1. NEVER smoke while leak testing.
2. Extinguish all open flames. Never leak test with an open flame.
3. Mix a solution of mild detergent or liquid soap and water.
4. Turn all Power burner control knobs to OFF.
5. Ensure the connections from the regulator to the power burner and tank are tight and secure.
6. Completely open the shut-off valve. If you hear a rushing sound, turn gas off immediately. There is a major leak at the connection. Correct before proceeding by calling the Wildfire Customer Service line at 602-344-4840.
7. If no rushing sound, brush soapy solution onto all connection points.
8. If "growing" bubbles appear, there is a leak. Close the shut-off valve immediately and retighten connections. If leaks cannot be stopped, do not try to repair the regulator, or shut-off valve, by yourself and contact the Wildfire Customer Service line at 602-344-4840.

NOTE: When leak testing this appliance, make sure to test and tighten all loose connections. A slight leak in the system can result in a low flame, or a hazardous condition that could result in a fire or explosion.

Natural Gas Supply and Connection

1. Make sure all burner valves are in the "OFF" position
2. All NG units need to have a regulator and shut-off valve on the supply line.
3. All Pipe threads need to have proper, gas-rated, outdoor-rated thread sealant. Flare ends do not need or utilize pipe sealant.
4. Your NG Wildfire power burner comes with a ½" pressure regulator, find gas hose with NG pressure regulator on rear of power burner.
   a) Attach connection hose (not included) to the side of the NG regulator (it is also ½" MIP)
      i. We suggest using ½" stainless steel corrugated hoses for all NG Power burners
      ii. Make sure that you purchase a hose of adequate length and capacity for the intended application.
   b) Connect the other end of this hose to shut-off valve at the gas source.
      i. Depending on your choice of hose and shut-off, the nipple going into the shut-off valve may vary.
   c) Test all connections for leaks with a soap and water solution.

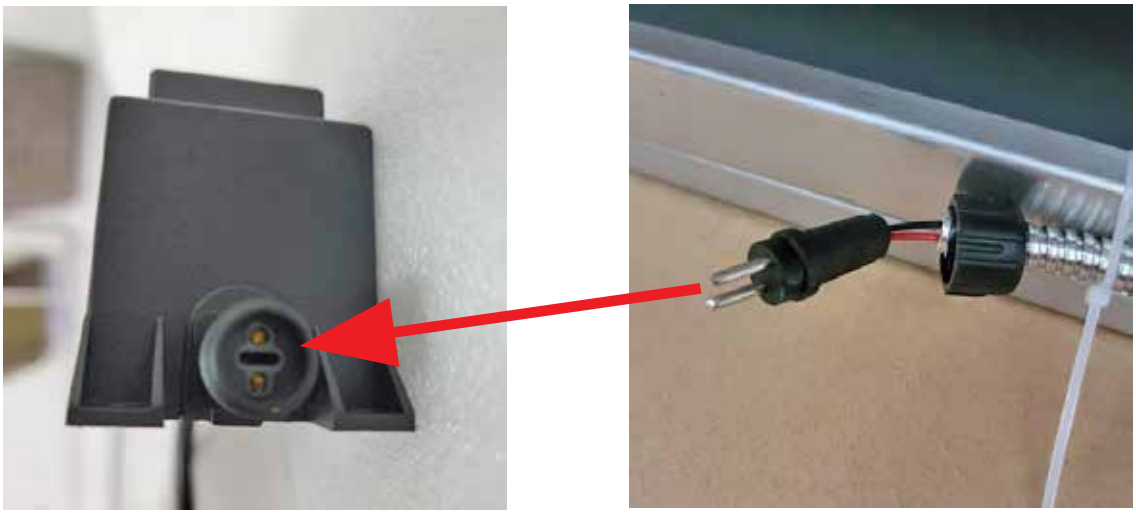
Wildfire is not responsible for the selection or performance of the contractor or installer who performs the connection of the natural gas supply to the power burner.

1. Transformer for LED Lights - Your power burner's electrical transformer will connect on the left side of your power burner (looking at it from the front) and operates the LED lights. Follow the pictures and insert the white male plug into the white female socket, on the left side of your power burner and then plug the transformer into a standard 110v outlet. If you have any questions or concerns, please consult or use a qualified electrician.

Instruction for Connecting the Transformer

Follow the picture and insert the white male plug into the white female socket, on the left side of your side griddle and then plug the transformer into a standard 110v outlet. If you have any questions or concerns, please consult or use a qualified electrician.

Transformer



Operating the Power Burner

⚠ DANGER ⚠

- Failure to open the lid prior to igniting the barbecue's burners, or not waiting 5 minutes to allow the gas to clear if the barbecue does not light, may result in an explosive flame-up which can cause serious bodily injury or death.

GENERAL RULES

⚠ WARNING ⚠

NEVER leave the power burner unattended while cooking!

- Check that the end of each burner tube is properly located over each valve orifice.
- Light the power burner burners using the instructions provided in this manual.
- Adjust heat settings to your desired cooking temperature.
- Allow power burner to cool down, wipe off any splatters or grease and clean the drip tray.
- NEVER put a cover on the power burner while it is still hot as it could start a fire.

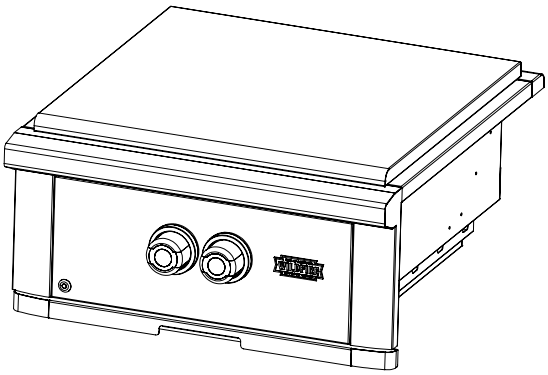
⚠ DANGER ⚠

Keep any electrical supply cords and the fuel supply hose away from any heated surfaces.

Lighting Instructions forYour Gas Power Burner

Using the Power Burner's Built-In Ignition System:

1. Open the canopy.
2. Keep your body, arms and face as far away from the burners and cooking surface as possible.
3. Select the burner that you want to ignite. Depress and rotate the knob corresponding to that burner counter-clockwise to the "High" position.



   a. As you are nearing the "High" position, you will notice the valve getting tougher to turn. This is the spring inside the valve building up energy to create the spark. Once you hear a click, the igniter has fired the spark for that burner.

   b. Do not turn the knob too fast, as you need the gas to travel into your manifold, then to the valve and finally into the burner where it will meet the spark from the igniter (at the front of the burner). Conversely, if you turn the knob too slowly, you can cause a build-up of gas in the power burner and create a large flash when it ignites.

4. If the burner does not ignite on the first attempt, try again immediately but be very aware of any gas building up inside the power burner.

⚠ WARNING ⚠

   a. If the power burner does not light after three consecutive attempts, turn the knob to the "Off" position, keep the canopy open, and allow the power burner to clear of any built-up gas for at least 5 minutes before starting the process again.

5. If at this point the power burner will still not ignite, contact Wildfire Customer Service at 602-344-4840, for further assistance to troubleshoot your power burner.

Using Your Power Burner and Cooking Safely

Your power burner is designed to reach a temperature that you set by adjusting a valve that in-turn adjusts the amount of gas that goes through each burner. This valve is located behind the knob and is the key to your heat and fuel consumption.

Furthermore, the way to ignite the burners is through the valves, so please understand the importance of the valves/knobs and the position/care taken with respect to them.

⚠ WARNING ⚠

- Example: If you forget to turn a knob off and the burner is not lit, then you will have a gas leak out of that valve. You must be aware of your power burner's status and be responsible!

First Time Use –

The first time you ignite your power burner, burn the power burner to get rid of any odors or trace debris that may be left over from manufacturing and transit. This is done by operating your power burner at the "HIGH" setting with the hood closed for no more than 5 minutes. After you have "burned off" the power burner, you are ready for cooking!

Burner Use –

Controlling how much gas flows through your burner determines the size of your flame. The ideal flame will be blue, with no yellow tip, and with no excessive noise coming out of the burner. If you happen to have any of these problems (yellow tip or excessive/unusual noise), wait until the grill has completely cooled and safe to:

- Check the air adjustment screw on the side of the burner itself (called the Air Venturi) and also the adjustment screw that resides directly below the orifice to ensure proper gas flow into the burner from the valve.
- There are many reasons that can cause poor flames and heat but none are more serious than a gas leak, so always pay attention for the odor of gas (NG or LP), but do not also forget to clean your burners (see Care and Maintenance section of this manual)!

⚠ WARNING ⚠

Flame Adjustment

1. Become familiar with the safety instructions at the front of this manual. Do not smoke while lighting the appliance or checking the gas supply connections.
2. Make sure that all gas connections are securely tightened and have been leak-tested with a soapy water solution - never with a flame!
3. With the power burner plate removed, light the main burners and run them on the high setting.
4. Inspect burners for proper flame appearance. The ideal flame appearance is one that is mostly blue and not lifting off of the burner surface. There is an air shutter found at the end of the burner (close to the valve) which can be either opened or closed to make adjustments to the flame's appearance. To adjust, remove the burner from the appliance and loosen the Philips head screw holding the air shutter to the burner. If the flame is yellow, open the air shutter to make the flame bluer. If the flame is lifting off of the burner surface, slightly close the air shutter. Re-tighten the Philips head screw and re-install the burner to recheck the flame appearance. Repeat if necessary.
5. Turn burners to low flame setting and test for proper flame height. Flame should stand between 1/4" – 1/2" on LOW.

⚠ WARNING ⚠

- To adjust the LOW flame setting simply light the appliance on the LOW setting and adjust the screw located under the knob on the front of the valve using a flat head screwdriver as seen in the diagram below.)

Care & Maintenance

⚠ CAUTION ⚠

All cleaning and maintenance should be done only when power burner is cool & with the fuel supply turned off at the cylinder or source.

Drip Tray

The drip tray located below the power burner should be cleaned periodically to prevent buildup of debris.

NOTE: Allow the drip tray to cool before attempting to clean.

IMPORTANT: Do not leave the power burner outside during inclement weather unless it is covered (always keep covered while not in use). Rain water can collect inside the power burner, the power burner cart, or the drip tray if left uncovered. If the drip tray is not cleaned after use and the power burner is left uncovered, the drip tray will fill with water causing grease and water to spill into the Power burner cart. We recommend cleaning and storing the drip tray after every use.

Burners

IMPORTANT: Gas control knobs should be in the "OFF" position and fuel line/source should be disconnected. To reduce the chance of FLASHBACK, the procedure below should be followed at least once a month or when your power burner has not been used for an extended period of time.

Main Burners:

1. Clean main burners only when cool.
2. Remove your main burners from the power burner by removing the nut holding the burner down in the back and carefully lifting each burner up and away from the gas valve orifice.
3. Wire brush entire outer surface of burner to remove food debris and dirt. Clean any clogged ports with a stiff wire such as an open paper clip.
4. Inspect the burner for damage (cracks or holes) and if such damage is found, order and install a new burner.
5. After re-installation, check to insure that gas valve orifices are correctly placed inside ends of burner tubes. Also check position of spark electrode.

Stainless Steel Care and Maintenance

It is a common misconception that stainless steel will maintain its original factory shine with little help from the consumer. Unfortunately, this is not true. Stainless steel will not stain, discolor, corrode or rust as fast as other types of steel, but it is not fully stain or weather proof. If it is not properly maintained, all grades of stainless steel can face surface discoloration, corrosion and eventually rust. Any stainless steel that is exposed to the environment will require attention and care throughout its life to ensure that it keeps its shine and structural integrity.

Cleaning the Stainless Steel and Polishing

1. Allow Power burner to cool before cleaning/polishing stainless steel.
   Do not clean or polish your power burner's stainless steel when the gill is in operation or still hot.
2. To clean the stainless steel, wash off all dirt and debris from the steel with warm water. If you have tough spots to clean, then a third-party degreaser product can be used.
3. Next, rinse and dry the steel thoroughly with a clean towel. Do not allow the steel to air dry as the standing water can cause surface discoloration.
4. The last step is to protect the unit with a good third-party polish. There are several third-party polishes on the market that will help keep your power burner protected from the elements for a longer period of time. Most of these polishes are toxic, so only use these on the exterior of the Power burner. Follow instructions provided on any third-party polish products. Do not use such products on cooking surface.
   a. Apply the polish to a clean paper towel and wipe with the direction of the grain in the stainless steel.
   b There should be no excess liquid on the surface but it is acceptable for it to be a little oily, as that will dissipate.
5. If your power burner has developed surface discoloration or surface rust, clean the unit as stated above and use a good third-party polish to remove or reduce the spots. Follow instructions provided on any third-party polish products. Wildfire does not insure or guarantee the performance of or results from such products.

Environmental Factors That Can Affect Your Power Burner

There are several typical causes for surface discoloration and corrosion on your stainless-steel outdoor equipment:

1. Mortar (which contains lime) from the island assembly process has rested on the unit for a prolonged period of time and the unit was not cleaned quickly.
2. Pool chemicals were splashed onto the power burner (chlorine and acid will cause problems quickly) and the unit was not cleaned off promptly.
3. Hard water from sprinklers (chlorine in the water) was allowed to sit on the unit.
4. Salt from the ocean air/water was allowed to rest upon the power burner for a prolonged period of time before being cleaned (beach owners must be diligent in maintaining their outdoor stainless equipment).
5. Dust, or rust, from other metals found its way onto the power burner and was left on for an extended period of time.
6. Organic matters (such as certain types of food) might have gotten onto the surface of the power burner and it was then covered. With high humidity and low oxygen, corrosion will start to take place.
7. Sprays and cleaning solutions containing alkaline, lime, acid, salt, etc. might have been left on the power burner surface un-dried.
8. Failure to clean or polish your power burner in accordance with the instructions above.

Ways to Avoid Rust on Your Power Burner

1. When installing the unit, make sure to keep the unit covered when any masonry work is being performed. If any mortar or dust does come into contact with the stainless, make sure to wipe it off as soon as possible and use a stainless-steel polish immediately afterward.
2. Position your power burner away from areas that can receive water splash from a pool or hot tub.
3. Do not store pool chemicals in your island or island cabinets.

ANNUAL CLEANING of Power Burner HOUSING

Burn-off of the barbecue after every cookout will keep it ready for its next use. However, once a year, you should give the entire power burner a thorough cleaning to keep it in top operating condition.

1. Allow power burner to cool down completely. Shut off gas supply at source and disconnect fuel line. Protect fuel line fitting.
2. Remove and clean the cooking surface.
3. Cover the gas valve orifices with a piece of aluminum foil.
4. Brush the inside and bottom of the Power burner with a stiff wire brush, and wash down with a mild soap and warm water solution. Wash thoroughly and let dry.
5. Remove aluminum foil from orifices and check orifices for obstruction.
6. Check electrode to make sure that a spark is being generated.
7. Reinstall cooking grates.
8. Reconnect to gas source and observe burner flame for correct operation.

IMPORTANT: You should NOT line the bottom of the Power burner housing with aluminum foil, sand or any other grease absorbent substance. Grease will not be able to drip into the drip tray and a grease fire may occur.

MAINTENANCE GUIDELINES

1. Keep outdoor cooking gas appliance area clear and free from combustible materials, gasoline and other flammable vapors and liquids.
2. Do not obstruct the flow of combustion and ventilation air.
3. Keep the ventilation opening(s) of the cylinder enclosure free and clear from debris.
4. Visually check burner flames. Burner flames should be blue and stable with no yellow tips or excessive noise. If any of these conditions occur, turn power burner off and call our customer service line.
5. Clean outdoor cooking gas appliance, including special surfaces, with recommended cleaning agents, if necessary.
6. Check and clean burner for insects and insect nests. A clogged tube can lead to a fire beneath the power burner.

Troubleshooting Your Power Burner

GENERAL TROUBLESHOOTING

Inspect your burners at least once a year or immediately if any of the following conditions occur:

- The smell of gas.
- Flames appearing mostly yellow.
- The Power burner will not get hot enough.
- Burners make a snapping noise.
- The Power burner heats unevenly.

⚠ WARNING ⚠

SPIDER AND INSECT WARNING Spiders and insects can nest in the burners of this and other power burners, which could disrupt gas flow. This dangerous condition could cause a fire behind and beneath the valve panel, damaging the power burner and making it unsafe to operate. We recommend you check the power burner and remove any spiders, insects and webs at least once a year to reduce this risk.

WHEN TO LOOK FOR SPIDERS/INSECTS

You should inspect the burners once a year or immediately after any of the following conditions occur:

1. The smell of gas in conjunction with the burner flames appearing yellow.
2. The Power burner does not reach temperature.
3. The Power burner heats unevenly.
4. The burners make popping noises.

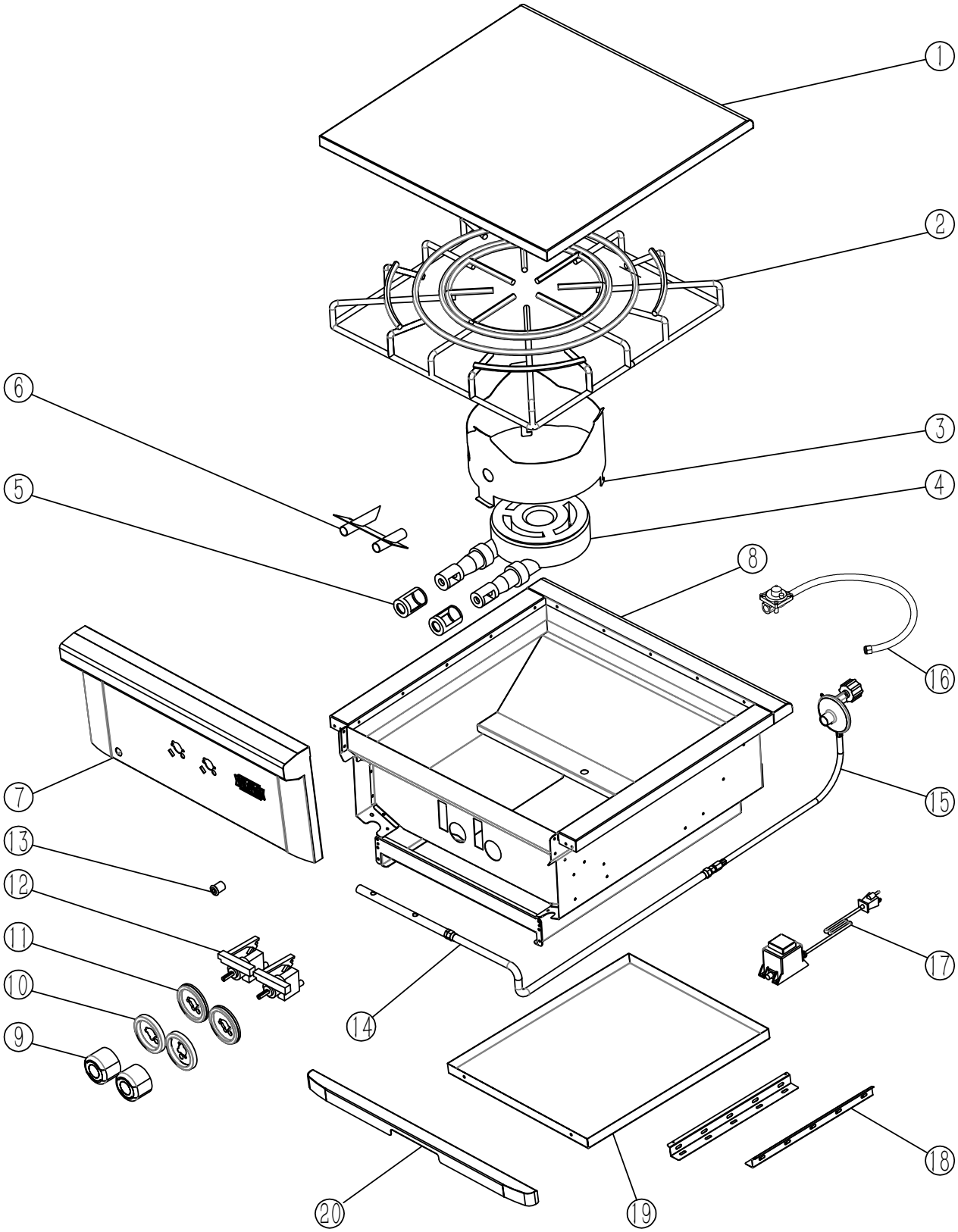
TROUBLESHOOTING

If the power burner does not function properly, use the chart on next page to assist in diagnosing the problem. Troubleshooting is for general purposes only. ALWAYS ERR ON THE Side OF SAFETY.
If the problem still exists, contact our Wildfire Customer Service line at 602-344-4840.

Problem:	Possible Causes and Solutions:
Grill will not light when the igniter button is pushed	• Is your gas supply turned on? • If this is an L.P. power burner, is there gas in your tank? Check your gas level. • Is one of your burners turned on? Allow up to 5 seconds of gas flow to ignite. • Is your igniter working? - You should hear a snapping sound when you press the igniter. - If you hear a snapping sound, can you see a spark at the electrodes? **Note: You will need to remove your cooking grates and heat control grids to see the electrodes. The electrodes should have a U/8" to ¼" gap between the electrode and contact point.** • Check for loose wire connections to the igniter or electrodes. • Check to see if debris is blocking the electrodes. • If the igniter is not working, can you light the power burner with a lighter?
Flare-ups	• Check heat control grids and cooking grates for excess food or grease build-up. • Ensure power burner is not placed directly in the path of wind. Be sure drip tray is clean (do not use aluminum foil on drip tray.) **Note: Some flare-ups may be inevitable if cooking greasy foods.**
Yellow Flames	• Check the burner inlet for obstructions, particularly at air inlets for each burner. • Grill may be in an area that is too windy.
Flame blows out on low setting	• Check for spider webs or insect nest in venturi and clean venturi. • Cold power burner needs to be preheated for 5 minutes on high setting. • Venturi may be misaligned and needs to be lined up over orifices. • Cold and windy weather will require you to move power burner away from the wind. • Lack of fuel. Check to see cylinder valve is open and cylinder has fuel.
Low heat with the knob on "HIGH"	• Check to see if the fuel hose is bent or kinked. • Make sure the grill area is clear of dust. • Check your gas supply and gas pressure. • If it is only one burner that appears low, make sure the orifice or burner is clean.
Grill is Too Hot	• Excess grease build-up causing grease fires. • Damaged or faulty regulator. • Replace with factory authorized parts. • Cook on a lower temperature setting.

Flame behind control panel or control knob area	**IMMEDIATELY shut off cylinder valve and allow grill to cool.** • Check for spider webs or insect nest in venturi and clean venturi. • Gas is leaking from a faulty connection. Tighten connections with an adjustable wrench and replace damaged parts. Perform a leak test on all connections before cooking on grill again. • Venturi may be misaligned and needs to be lined up over orifice. • If you cannot find the reason, call Customer Service at 602-344-4840 for assistance.
Fire at any connection.	**IMMEDIATELY shut off cylinder valve and allow grill to cool.** • Gas is leaking from a faulty connection. Tighten connections with an adjustable wrench and replace damaged parts. • Perform a leak test on all connections before cooking on grill again. • If you cannot find the reason, call Customer Service at 602-344-4840 for assistance.

WF-POWBRN-RH-NG/LP Exploded Parts View



WF-POWBRN-RH-NG/LP Parts Listing

Power Burner			
No.	Description	Qty	Part No.
1	COVER	1	02-00358
2	GRID, STAINLESS STEEL ROD	1	02-00359
3	FLAME COLLIMATOR	1	02-00360
4	BURNER, STAINLESS STEEL	1	02-00361
5	AIR SHUTTER	2	02-00362
6	FIRE TUBE	1	02-00363
7	CONTROL PANEL	1	02-00364
8	FIRE BOX	1	02-00365
9	CONTROL KNOB	2	03-00074
10	KNOB BASE	2	03-00073
11	LED LIGHT RING	2	01-00088
12	BURNER VALVE NG	2	10-00017
12	BURNER VALVE LP	2	10-00016
13	SWITCH	1	01-00087
14	GAS MANIFOLD	1	10-00032
15	GAS REGULATOR LP	1	10-00023
16	GAS REGULATOR NG	1	10-00031
17	TRANSFORMER	1	01-00089
18	WIRE HARNESS PROTECTION PLATE	2	02-00366
19	DRIP TRAY	1	02-00367
20	DRIP TRAY FRONT BAR	1	02-00368

NOTES

DO NOT RETURN TO STORE!

CALL US FIRST

For immediate help with installation, product information or
if your product arrives damaged, please call our toll free number at:

602-344-4840

(Monday - Friday, 8:00AM - 5:00PM, AZ Mountain Time)

Or email us at:

customerservice@wildfireoutdoorliving.com

OUR STAFF IS READY TO PROVIDE ASSISTANCE

RPG BRANDS

RPG BRANDS FAMILY OF COMPANIES

MODERN FLAMES · GRAND CANYON GAS LOGS · WILDFIRE

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