THE OUTDOOR PLUS™
AMERICAN MADE FIRE & WATER FEATURES



FIRE WATER BOWL INSTALLATION

Match Lit

TO INSTALLER: Leave this manual with the appliance.
TO CONSUMER: Keep this manual for future reference.

WARNING:
Do NOT store or use gasoline or other flammable liquids or vapors in the vicinity of this or any other appliance. An LP cylinder not connected for use shall not be stored in the vicinity of this or any other appliance. For use with Natural or Propane gas only.

WARNING LABELS & SYMBOLS

THIS IS A SAFETY ALERT SYMBOL

When you see this symbol on the fire feature or manual, look for one of the following signal word panels alerting you to the potential for personal injury, death, or major property damage.

WARNING
FOR OUTDOOR USE ONLY. Installation and service must be performed by a qualified installer, service agency, or the gas supplier.

CAUTION
IMPROPER USE. Use this equipment only for its intended purpose. Misuse or modification of the equipment may result in injury or damage to the equipment.

DANGER
FIRE OR EXPLOSION HAZARD. If you smell gas:
- Shut off gas to the appliance.
- Extinguish any open flame.
- Open lid.
- If odor continues, keep away from the appliance and immediately call your gas supplier or your fire department.

DANGER: CARBON MONOXIDE HAZARD
This appliance can produce carbon monoxide which has no odor. Using it in an enclosed space can kill you.

Never use this appliance in an enclosed space such as a camper, tent, car, or home.



WARNING
FIRE HAZARD. Maintain a clean area around your Fire Feature, ensuring it is free from flammable liquids and other combustible materials like mops, rags, brooms, solvents, cleaning fluids, lighter fluid, and gasoline.

WARNING
If the information in this manual is not followed exactly, a fire or explosion may result causing property damage, personal injury, or loss of life.

WARNING
Do not install the Fire Feature on combustible material, or material that can obstruct ventilation such as wood, grass, loose sand, and loose gravel.

WARNING
FIRE OR EXPLOSION HAZARD. If you smell gas: Shut off gas to the appliance and extinguish any open flame. If odor continues, leave the area immediately. After leaving the area, call your gas supplier or Fire Department.

WARNING
Do not use lighter fluid in the Fire Feature. Product is not intended to be a starter for wood or any other combustibles. Always have a fire extinguisher nearby.

WARNING
NEVER leave the Fire Feature unattended. Keep children and pets away from the Fire Feature at all times.

WARNING
The Outdoor Plus suggests that our products be installed by professionals that are locally licensed by the authority having jurisdiction in gas piping. Our products should be serviced annually by a professional certified in the US by the National Fireplace Institute (NFI) as Gas Specialists or in Canada by WETT (Wood Energy Technical Training).

WARNING
Only use gas/fuel type specified for this fire pit. See label on the fire pit control box. Gas pressure and type should be checked prior to use and installation.

WARNING
Do not use this appliance if any part has been under water. Immediately call a qualified service technician to inspect the appliance and to replace any part of the control system and any gas control.

WARNING
It is the installer's responsibility to ensure a safe installation and to educate the end user as to proper operation.

WARNING
NOT SUITABLE FOR USE BY CHILDREN. Only adults who understand the proper operation and safety precautions for the Fire Feature should handle it.

WARNING
For the safety of yourself and others, ensure that the Transformer is plugged into a GFCI Outlet.

WARNING
The Outdoor Plus Company, Inc. is not responsible for your actions.

GENERAL INFORMATION

Please carefully follow the instructions in this manual to prevent personal injury or property loss. Instructions are updated as needed. It is the installer's responsibility to periodically review instruction for applicable updates.

The steps listed as
WARNING: Contains information critical to the safe installation and operation of the fire bowl.
WARRANTY REQUIREMENT: Must be strictly followed to qualify for product warranty. Warranty will be void if not followed.
IMPORTANT: Notes and insights to help ensure product satisfaction and serviceability.
WARNING: It is the installer's responsibility to ensure a safe installation and to educate the end user as to proper operation. Leave this manual with the end user.
WARNING: Never alter product or configuration in any way.
WARNING: We suggest that our products be installed by professionals that are locally licensed by the authority having jurisdiction in gas piping. We suggest that our products be serviced annually by a professional certified in the US by the National Fireplace Institute (NFI) as NFI Gas Specialists or in Canada by WETT (Wood Energy Technical Training). Installer must follow all instructions carefully to ensure proper performance and safety. The Outdoor Plus Co, Inc is not responsible for your actions.
WARNING: Product is not intended to be a starter for wood or any other combustibles.
WARNING: It is the responsibility of the installer to follow:

- The National Fuel Gas Code, ANSI Z223.1/NFPA 54 or International Fuel Gas Code.
- The National Electrical Code, ANSI/NFPA 70.
- Local Codes

WARNING: Verify correct gas/fuel type and pressure. Never use an alternative fuel to include bio-fuel, ethanol, lighter fluid or any other fuel. Gas pressure and type should be checked prior to use and installation.

GAS PRESSURE REQUIREMENTS

PRESSURE	NATURAL GAS	PROPANE
Minimum	3.5" W.C .87 kPa	8.0" W.C. 1.99 kPa
Nominal	7.0" W.C. 1.74 kPa	11.0" W.C. 2.73 kPa
Maximum	14.0" W.C. 3.48 kPa	14.0" W.C. 3.48 kPa

SELECTING THE LOCATION

WARNING: All fire bowls, match lit kits, and spark ignition systems are designed and intended for outdoor use only.
WARNING: All fire bowls must have a gas shutoff on the outside of the exterior of the fire bowl to allow for emergency shut off and maintenance.
WARNING: Select a location where the fire bowl can be attended during operation. Never leave an operating fire bowl unattended or by someone not familiar with its operation or emergency shut off locations.
WARNING: Both children and adults should be alerted to the hazards of high surface temperatures and should stay away to avoid burns and clothing ignition.
WARNING: Young children should be carefully supervised when they are in the area of fire bowl.
WARNING: Clothing or other flammable materials should not be placed on or near fire bowl.
WARNING: Fire bowls create very high temperatures - Combustibles must be located far enough away that there is no risk of ignition. (See Clearance From Combustibles diagram at the end of this document)

WARNING: Verify correct gas/fuel type and pressure. Never use an alternative fuel to include bio-fuel, ethanol, lighter fluid or any other fuel. Gas pressure and type should be checked prior to use and installation.

CLEARANCE FROM COMBUSTIBLES

UP TO 65K BTUS

Under Valve Box When Applicable	2” For Drainage
Sides Surrounding Fire Pit	Min. 36” From Structure, Combustibles, and Non-Combustibles
Overhead Clearance	Min. 96” Overhead Clearance

UP TO 66K - 200K BTUS

Under Valve Box When Applicable	2” For Drainage
Sides Surrounding Fire Pit	Min. 48” From Structure, Combustibles, and Non-Combustibles
Overhead Clearance	Min. 96” Overhead Clearance

UP TO 201K - 400K BTUS

Under Valve Box When Applicable	2” For Drainage
Sides Surrounding Fire Pit	Min. 48” From Structure, Combustibles, and Non-Combustibles
Overhead Clearance	Min. 96” Overhead Clearance, No overhead structures or obstructions allowed.

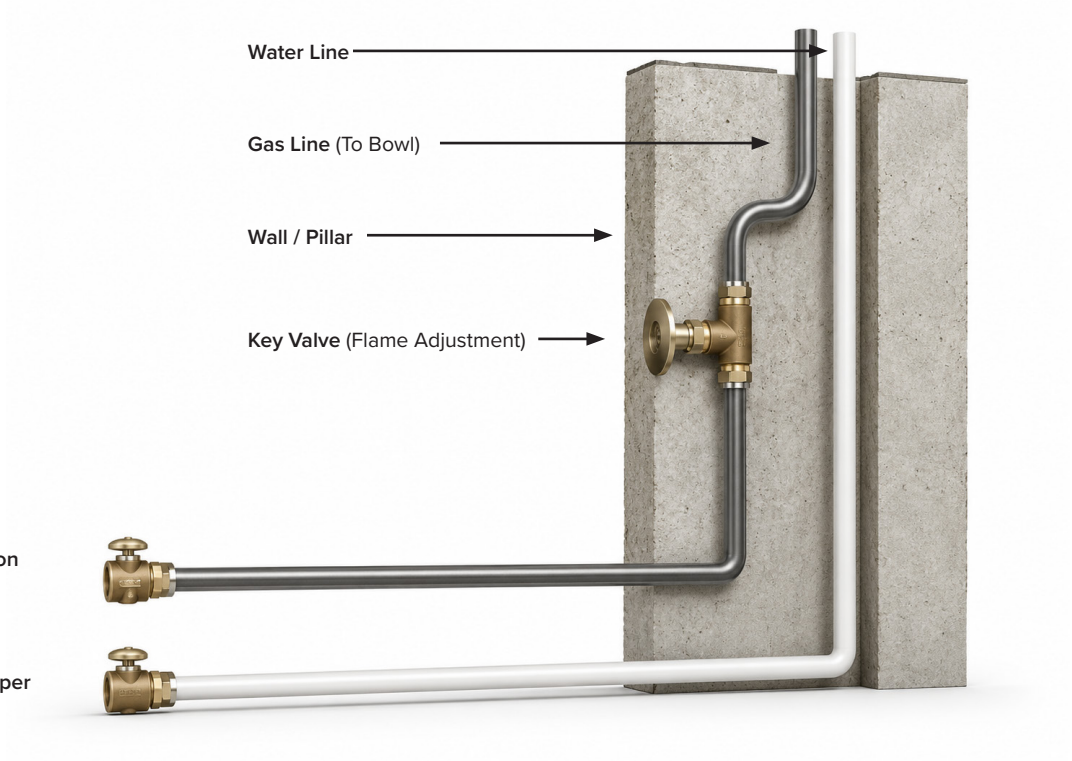
IMPORTANT: It is recommended that material such as granite, marble or other dense stone be kept away from heat and especially flame due to risk of cracking. Manufacturer is not responsible for damage.

TIPS FOR CHOOSING LOCATION

- Select a location with good drainage.
- Choose a location that allows easy access for installation and maintenance of the fire bowl.
- Pick a location that allows sufficient room to enjoy the fire bowl while allowing a safe distance from the heat and flame.

RUNNING GAS LINES

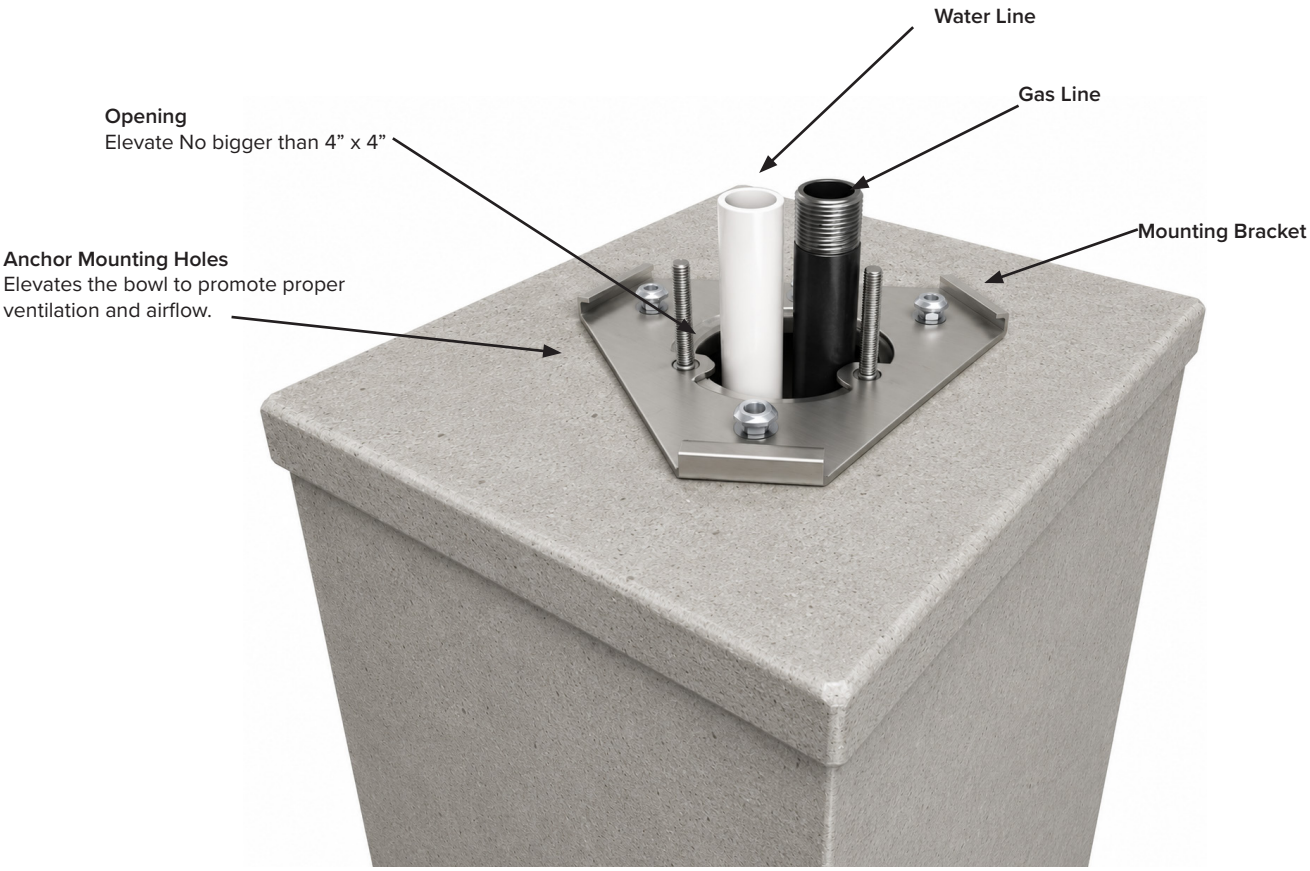
- The gas piping shall be installed underground between to each fire bowl. The piping shall be reduced to 1/2” NPT at each bowl.
- To eliminate unnecessary pressure drop, ensure the pipe length and amount of elbows used is minimized.
- Yellow corrugated flex lines should not be used. ONLY use stainless steel whistle free hoses
- Gas lines should be centered in the middle of the column.



This diagram is a conceptual illustration demonstrating a typical gas and water line configuration for a fire and water bowl. It is intended for reference purposes only.

MOUNTING ON PILLAR/WALL

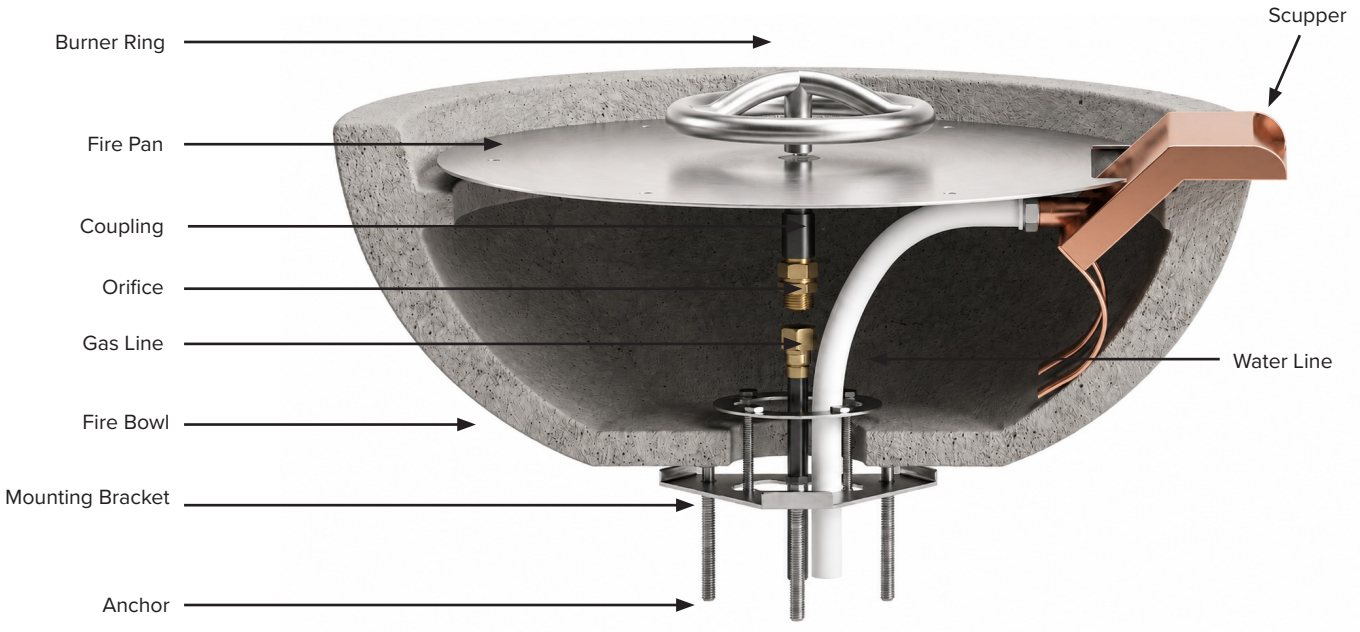
- Secure mounting bracket to mounting location with anchors rated for material being affixed. (Anchors not supplied by The Outdoor Plus.)
- Avoid grout seams when installing anchors
- Center cutout hole must be no larger than 4” inches square or diameter. Any larger and the mounting bracket will not have enough area to be properly secured.
- Use bracket to locate and mark the hole location.
- Do NOT kink or sharply bend any of the stainless steel gas lines.
- Do NOT use yellow corrugated gas lines.
- Key Valves near the bowl are recommended for flame adjustment.



This render has been simplified to clearly illustrate how the components are connected and installed. It is intended as a visual reference to help you better understand the overall assembly and connection points.

FIRE BOWL INSTALLATION

WARNING: We suggest that our products be installed by professionals that are locally licensed by the authority having jurisdiction in gas piping.
WARNING: We suggest that our products be serviced annually by a professional certified in the US by the National Fireplace Institute (NFI) as NFI Gas Specialists.
WARNING: Confirm this appliance is built for gas used – natural gas or propane. Do not use natural gas appliance with propane. Do not use propane appliance with natural gas.
WARNING: To prevent damage, unhook fire bowl from gas supply for pressure leak tests.
WARNING: Fuel line sizing is the responsibility of the installer and must be able to supply the stated maximum BTU for the product.
WARNING: Burn Testing- It is the responsibility of the qualified installer to test for gas leaks at all connections.
WARNING: When filling the pan with lava rock and/or decorative glass, follow directions on the following page
WARNING: Gas Plumbing Connections: Use only joint compound or tape that is resistant to all gases. Apply joint compound to all male pipe fittings only- do not use joint compound onto flared/tapered fittings. Be sure to tighten every joint securely.
WARNING: For systems with an extended or detached valve box the area in which the valve box is installed must conform with all installation requirements to include but not limited to location, construction, venting and local codes. Failure to do so may result in personal injury property damage or explosion.
WARRANTY REQUIREMENT: Warranty is void if product is altered.



This simplified render is for reference only and is intended to illustrate the installation and connection method. The manufacturer reserves the right to modify this diagram without notice.

FIRE BOWL INSTALLATION

Before beginning installation, review all instructions, local codes, and safety requirements. Ensure adequate access for future service and maintenance.

1. Review all installation instructions, local codes, and safety requirements before beginning installation.
2. Verify the correct gas type and supply pressure. Purge air from the gas lines as required.
3. Perform a leak test on the main gas supply and repair any leaks before proceeding.
4. Turn OFF the gas supply and connect the fire bowl to the gas line.
5. Turn ON the gas supply and perform a leak test on all connections.
6. Position the fire bowl in the enclosure, ensuring access to all gas connections for inspection and service.
7. Ignite the fire bowl and verify proper operation. Additional ignition cycles may be required to purge remaining air from the gas line.
8. Turn OFF the fire bowl and allow it to cool. Install the decorative media according to the media installation instructions.
9. Reignite the fire bowl, verify proper flame appearance, and perform a final leak test.
10. Review safety information with the end user and leave all manuals and documentation with the owner.

SCUPPER INSTALLATION INSTRUCTIONS

Follow these steps to connect the water supply to the scupper assembly:

1. Align the Components

Position the incoming water line inside the concrete bowl so that it aligns directly with the threaded inlet on the back of the copper scupper.

2. Connect the Fitting

- Thread the female connector of the water line directly onto the 3/4” male fitting of the scupper.
- Hand-tighten the connection first to ensure the threads are properly engaged and to avoid cross-threading.

3. Secure and Seal

- Use an appropriate wrench to tighten the fitting until it is secure.
- **Note:** Apply plumber’s tape (Teflon tape) or an approved thread sealant to the 3/4” male threads prior to tightening to ensure a completely leak-free seal.



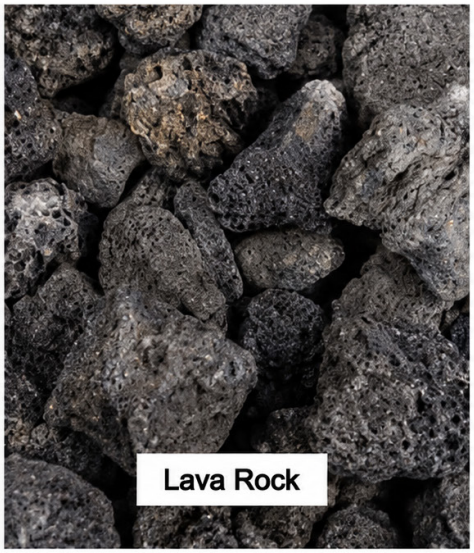
This illustration is for demonstration purposes only, serving as a conceptual example of how a scupper connects to the water line.

ACCEPTABLE MEDIA FOR FIRE FEATURES

WARNING: Do not use any other material as filler/topping media inside fire features other than those listed below. Using improper media inside a fire feature could result in damage to property or injury to persons nearby due to media ‘popping’ or ‘exploding’ due to heat.

LIST OF ACCEPTABLE MEDIA FOR FIRE FEATURES:
Fire Rated Lava Rock (or other Igneous Rock), Fire glass approved for use in fire features, Man-made stone for use in fire features (Reflective Material)

INSTALLATION NOTE: The use of media inside fire features is recommended because it enhances the look of the fire feature and improves its performance by forcing the gas emanating from the burner to mix as it passes through the media. This ‘mixing’ of gases creates an even flame throughout the feature and helps spread the flame from the Pilot Burner throughout the burner quicker than when there is no media. Recommended thickness of the media
above the burner element is NO MORE than 2”.







INSTALLATION OF MEDIA IN FIRE FEATURES

There are several options when it comes to topping material for a fire feature; large lava chunks, fire glass and fire stones. In this example we are using 1” lava rock. You will need a layer that is 2” - 3” thick to properly cover the fire feature while at the same time allowing plenty of oxygen to mix with the gas coming from the fire ring. This lava rock is more expensive than the “filler” lava rock but is still fairly inexpensive and readily available in the BBQ section of most hardware stores.



Do not cover the burner with more than 1” of fire media. Excessive media can cause damage to the pilot or negatively impact the operation of the pilot and burner assembly.

FIRE BOWL OPERATION

WARNING: Before use, be sure to test all gas connection for leaks. Do not use fire bowl if there is any evidence of leaking gas. If leaking gas suspected, turn off the main gas supply and repair immediately
WARNING: Do not use the fire bowl if any part has been submerged under water. Immediately call a qualified technician to inspect the fire bowl
WARNING: Never use any material that is non-porous and holds moisture such as gravel, pebbles, river rocks, etc. This material, when heated, will cause moisture trapped inside to boil and fracture unexpectedly. This material is not sufficiently porous to allow heated steams to readily escape which can break and cause personal injury or damage
WARNING: solid fuels shall not be burned in the fire bowl. Leaves, sticks, wood, paper, clothing, food, should be kept away from the fire bowl. Fire bowl is not for cooking. Make sure that there is no vegetation or other objects over the top or sides of the fire bowl that could interfere with safe operation. See “Clearance from Combustibles” diagram at the end of this document.
WARNING: If lava rock is wet, allow fire bowl to burn for 45 prior to coming within 15 feet of the fire bowl.
WARRANTY REQUIREMENT: When not in use, the fire bowl must be covered.
IMPORTANT: INITIAL START-UP: It may be necessary to purge Air in the Gas Lines after system installation

START UP

1. **Stop! If you smell gas:**
   - Shut off gas to appliance.
   - Extinguish any open flame.
   - If odor continues, keep away from appliance and immediately call gas supplier or fire department.
2. Ensure fire bowl is clear of people, debris, and that all covers are removed
3. Place the lighter or match while burning over of the fire bowl near the burner
4. Slowly turn “on” the gas valve.
5. After burner lights, remove the lighter or match
6. Adjust flame to desired height
7. If burner does not light, turn valve to “off” position and allow gas to clear then repeat steps 3-7
8. Never alter the assembly of the fire bowl
9. Ensure fire pit, children and patrons are supervised by a responsible adult that is familiar with emergency shut down.
10. Flammable materials should not be placed on or near the fire bowl
11. This product is not for use with small camping tanks or propane torch tanks

MAINTENANCE

1. **WARNING:** Any guard or protective device removed for servicing must be replaced prior to operating the fire bowl.
2. **WARNING:** Installation and repair should be done by a qualified service person. Fire bowls should be inspected prior to
3. use and at least annually by a qualified service person.
4. **WARNING:** Ensure gas and power (if applicable) are shut off and fire bowl is cool before servicing

- Keep fire bowl covered at all times when not in use.
- In some areas of the country spiders or insects have been known to build nest and or lay eggs in the venture holes of the air-mixer for LP units. This can cause fuel to fill the fire feature cavity and result in personal injury or property damage. Periodical inspection by a qualified service technician of the air-intake is required to ensure your fire feature performs properly.
- Keep any debris out of fire bowl- clean as needed.
- Ring Cleaning: (1 x YR) If flames exhibit any abnormal shapes or behavior, or if burner fails to ignite properly, then the burner holes may require cleaning. The appliance can be cleaned by carefully removing the media to allow access to burner. Use a brush to carefully remove dust, spider webs, and loose particles from base, logs, and fire ring itself. If evidence of damage, fire ring must be replaced with fire ring specified by manufacturer

TROUBLESHOOTING

Problem	Possible Cause	Corrective Action
Will Not Light	Air in the Gas Line	If this is a new installation, it may take several attempts to completely purge the air from the lines.
	Debris in the gas line.	Confirm the gas line is clear of all obstructions (such as insulation, dirt, plastic, or excessive pipe sealer).
	Improper gas pressure.	Confirm that the incoming gas pressure matches the required specifications for your unit.
Will Not Stay Lit	Improper gas pressure.	Verify that the gas supply pressure is consistent and meets system requirements.
	Improperly applied media.	Review the media installation instructions. Ensure the burner ring does not exceed the maximum 1” coverage depth.
Flame is too low	Low gas pressure.	Ensure the gas supply line pressure matches the Manufacturer specifications (e.g., Natural Gas vs. Propane requirements).
	Supply line size is too small.	Verify that the gas line feeding the bowl is properly sized for the total BTU demand.
	Incorrect or blocked orifice.	Check that the gas orifice is clean and correctly sized for the gas type being used.
Flame goes out repeatedly	High winds / Lack of wind protection.	Install a wind guard or adjust the flame height to withstand local breezes.
	Poor drainage/Water accumulation.	Ensure the bowl’s bottom drainage hole is clear. Water in the burner pipe will block gas flow.

IMPORTANT:

CAUTION: If you smell gas and the burner fails to light, immediately turn off the main gas valve. Wait at least 5 minutes to allow any accumulated gas to dissipate completely before attempting to light again.

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FIRE WATER BOWL MATCH LIT MANUAL