



## **MODELS**

- ☐ Standard Weave 42" Round Fire Table
- ☐ Premium Weave 42" Round Fire Table
- ☐ Standard Weave Rectangular Fire Table
- ☐ Premium Weave Rectangular Fire Table
- ☐ Standard Weave 42" Square Fire Table
- ☐ Premium Weave 42" Square Fire Table
- ☐ Aluminum 42" Round Fire Table
- ☐ Aluminum 48"x36" Rectangle Fire Table
- ☐ Aluminum 42" Round Cal Sil Fire Table
- ☐ Aluminum 48"x28" Rectangle Cal Sil Fire Table

## **INSTALLATION PRECAUTION**

Outdoor Fire Pits require a minimum of 18 square inches (per side) of ventilation. Failure to provide proper ventilation can void the warranty.



**Warning:** For Outdoor Use Only

## **INSTALLATION AND OPERATING INSTRUCTIONS**

**IF YOU CAN NOT READ OR UNDERSTAND THESE INSTALLATION INSTRUCTIONS, DO NOT ATTEMPT TO INSTALL OR OPERATE THIS APPLIANCE.**

# Customer and CSA Model's check list

Customer Model:	CSA Model:
1. Standard Weave 42" Round Fire Table  2. Premium Weave 42" Round Table  3. Standard Weave 42" Square Fire Table  4. Premium Weave 42" Square Fire Table  5. Aluminum 42" Round Fire Table	Ulc-PNC18S-C-M
1. Standard Weave Rectangular Fire Table  2. Premium Weave Rectangular Fire Table  3. Aluminum 48" x36" Rectangle Fire Table	LP(Ulc-PNC32S-J-M) NG(Ulc-PNC32N-J-N)
1. Aluminum 42" Round Cal Sil Fire Table	Ulc-FNC42-C-M series
1. Aluminum 48" x28" Rectangle Cal Sil Fire Table	LP(Ulc-FNC48-J-M series) NG(Ulc-FNC48N-J-M series)



## **DANGER**



## **CARBON MONOXIDE HAZZARD**

**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.**



## **DANGER**

If you smell gas:

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



## **WARNING**

**Do not store or use gasoline, or other flammable vapors and liquids, 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.**

## **WARNING**

Do not leave unattended during use.  
Do not use for cooking.  
Follow all gas leak procedures in this manual prior to operation.



## **WARNING**

**Importer installation, adjustment, alteration, service or maintenance can cause injury or property damage. Read the installation, operating, and maintenance instructions thoroughly before installing or servicing this equipment.**

**WARNING:** If the information in these instructions is not followed exactly, a fire or explosion may result causing property damage, personal injury or death.

## **FOR YOUR SAFETY**

Do not store or use gasoline or other flammable vapors and liquids in the vicinity of this or another appliance.

## SPECIFICATIONS

Model:Match Light	A Pan Depth	B Min/Max Install Opening	C Inside pan	D Ground Level	E Side Wall	F Combustible Ceiling
Ulc-PNC32S-J-M	2.00"	32.2"/8"	30"	8"	48"	72"
Ulc-PNC32N-J-M	2.00"	32.2"/8"	30"	8"	48"	72"
Ulc-PNC38S-Y-M	2.00"	38.18"/8"	16"	8"	48"	72"
Ulc-PNC18S-C-M	2.00"	18.11"	16"	8"	48"	72"

Table1. Fire Pit Dimensions

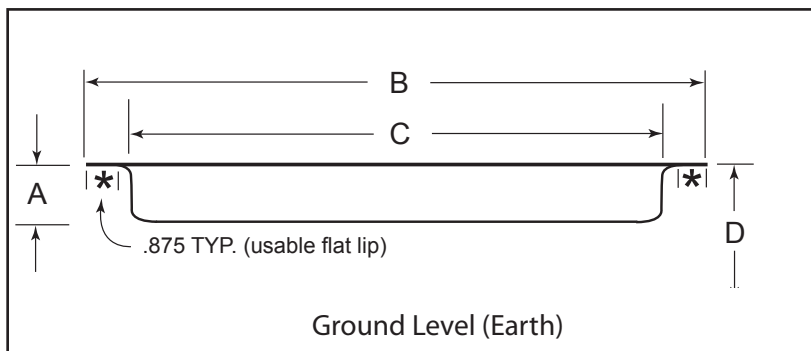


Figure 1. Fire Pit Dimensions; refer to Table 1.  
(Dimensions applicable to round or square pans)

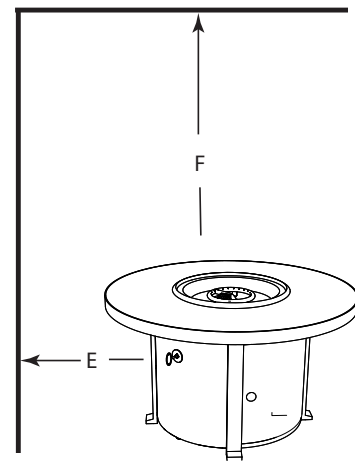


Figure 2. Clearance to Combustibles  
(Not to be used in an enclosed space)

Model:	LP Factory Orifice(mm)	BTU	NG Factory Orifice(mm)	BTU
Ulc-FNC42-C-M series	Ø1.93	45000	Ø2.92	45000
Ulc-FNC48-J-M series	Ø1.5	25000		
Ulc-FNC48N-J-M series			Ø2.92	45000

Ulc-FNC42-C-M series change LP to NG and also can change LP from NG

Table 2. Btu Specifications

**Disclaimer:** Btu listings are based on 7.0"WC for Natural Gas and 11.0"WC for Liquid Propane (LP) at the inlet side of the gas valve. Flex line size and proper gas pipe sizing will also affect Btu's. As a result your Btu's may vary slightly from Table 2 specifications.

Manifold Pressure	NG 7.0"WC	LP 11.0"WC
Inlet gas supply pressure	Max.	Min.
LP	25PSI	250PSI
NG	3.5"WC	10.5"WC

Table 3. Gas Pressures

**WARNING:** Proper clearances from combustible materials must be maintained from all sides, top and bottom of this appliance. Use the specifications listed on page 3 for proper clearance to combustibles.

### **HARD PIPING TO FIRE PIT WITHOUT GAS PROXIMITY**

**NOTE:** We recommend using 3/4" black iron pipe; however please refer to the NFPA54 (National Fuel Gas Code) for proper pipe sizing when exceeding 20-feet in length for fire pits rated above 100,000 Btu's.

1. Turn **OFF** gas supply system. **NOTE:** All gas connections (except for brass to brass) require the following. Clean pipe threads using either a wire brush or steel wool. Apply pipe sealant to the fittings before making any connection.

**BE CAREFUL!** Ensure all gas connections are snug, but do not over tighten!

2. Extend the gas supply system using minimum of 3/4" black iron pipe or an approved flexible gas line from existing house supply. This can be accomplished by teeing off or tapping into a gas line connection. Install necessary pipe for the distance required and then install a manual shut-off valve at the exterior house wall. If pipe is to pass through a foundation or house wall, make sure to re-seal the area around the pipe with weather sealant.

3. The primary gas shut-off (not supplied) will require a 1/2" male flared fitting to enable connection of the stainless steel flex gas line supplied with the fire pit (see figure 5 page 6).

### **IMPORTANT**

Installation of Natural or LP gas should be done by a qualified installer, service agency or gas supplier.

This appliance must be isolated from the gas supply piping system by closing its manual shutoff valve during any pressure testing of the gas supply piping system at test pressures equal to or less than 1/2" psig (3.5kPa)

### **HIGH ELEVATION INSTALLATION**

This appliance is listed for elevations from 0- 4500 feet in Canada and the U.S. If elevation exceeds 4500 feet it may be necessary to decrease the input rating by changing the existing burner orifice to a smaller size. Input should be reduced 4% for each 1000 feet beyond the 4500 feet above sea level. Check with your local gas utility for assistance in determining the proper orifice in your location. In some cases the heating value may already be reduced and downsizing the orifice may not be necessary.

## INSTALLATION OF FIRE PIT INTO AN APPROVED ENCLOSURE

### REQUIREMENTS

1. Only non-combustible materials should come in direct contact with any part of the fire pit. Underneath area should be non-combustible or a flat level combustible surface according to the clearances specified in this manual..
2. We recommend using 3/4" black iron pipe; however please refer to the NFPA54 (National Fuel Gas Code) for proper pipe sizing when exceeding 20-feet in length for fire pits rated above 100,000 Btu's.
3. Determine the size of the round or square fire pit you are preparing to install (Refer to page 3).
4. You must provide a round or square opening out to place the fire pit into the non-combustible enclosure. Do not exceed the maximum opening from Table 1, dimension B.
5. Follow the local code requirements for the gas type being used. This fire pit should be installed in accordance with local codes and ordinances or in the absence of local codes, with the latest National Fuel Gas Code, ANSI Z223.1 NFPA54; National Fuel Gas Code; Natural Gas and Propane Installation Code, CSA B149.1; or Propane Storage and handling Code, CSA B149.2, as applicable.
6. Fire pits create high temperatures, it is very important to have any combustibles at a safe distance.
7. **CAUTION: A minimum of 18 square inches of cross ventilation (per side) is required to keep the enclosure dry.**
8. These products are designed for outdoor use only. Not approved for any indoor use.
9. This fire pit is designed to have fire glass completely covering the spur burner, so that the burner is not visible. Do not cover more than 1" above the top of the covered burner.
10. Gas lines and fittings must be installed in to the non-combustible structure. All gas connections must be leak tested before installation of the fire pit. Soapy water leak detection is required before regular use of the fire pit.
11. Do not use material that will absorb moisture over time and will not release this moisture quickly. Moisture can boil in this material and can rapidly break apart and cause damage or personal injury.
12. Never leave any other combustible material on top of the fire pit. This could cause unsafe operation of this system and damage to the component that will not be covered under our warranty.
13. **Ensure proper water drainage is also incorporated into the fire pit enclosure.**

### INSTALLING KEY VALVE

The key valve contents: 1- key valve, 1- key and 1- flange. (See figure 4). The valve requires a 1¼" round clearance hole in the non-combustible enclosure wall. See the instructions supplied with the key valve for more specific details. Note: Be sure to leak test all fitting before operation. Figure 5 shows an example of a typical installation.

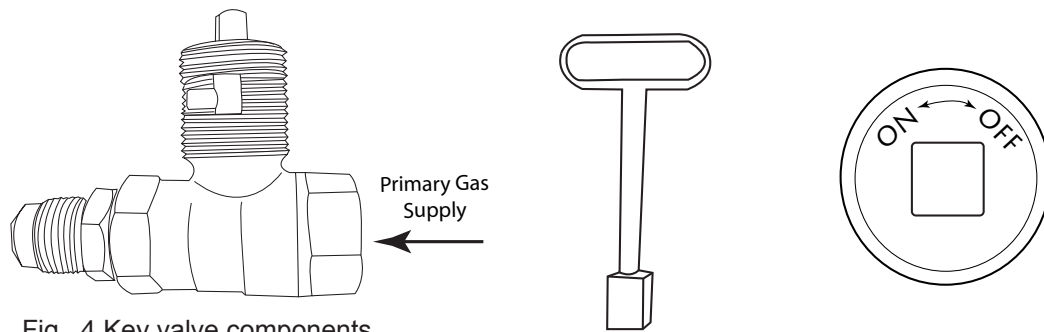
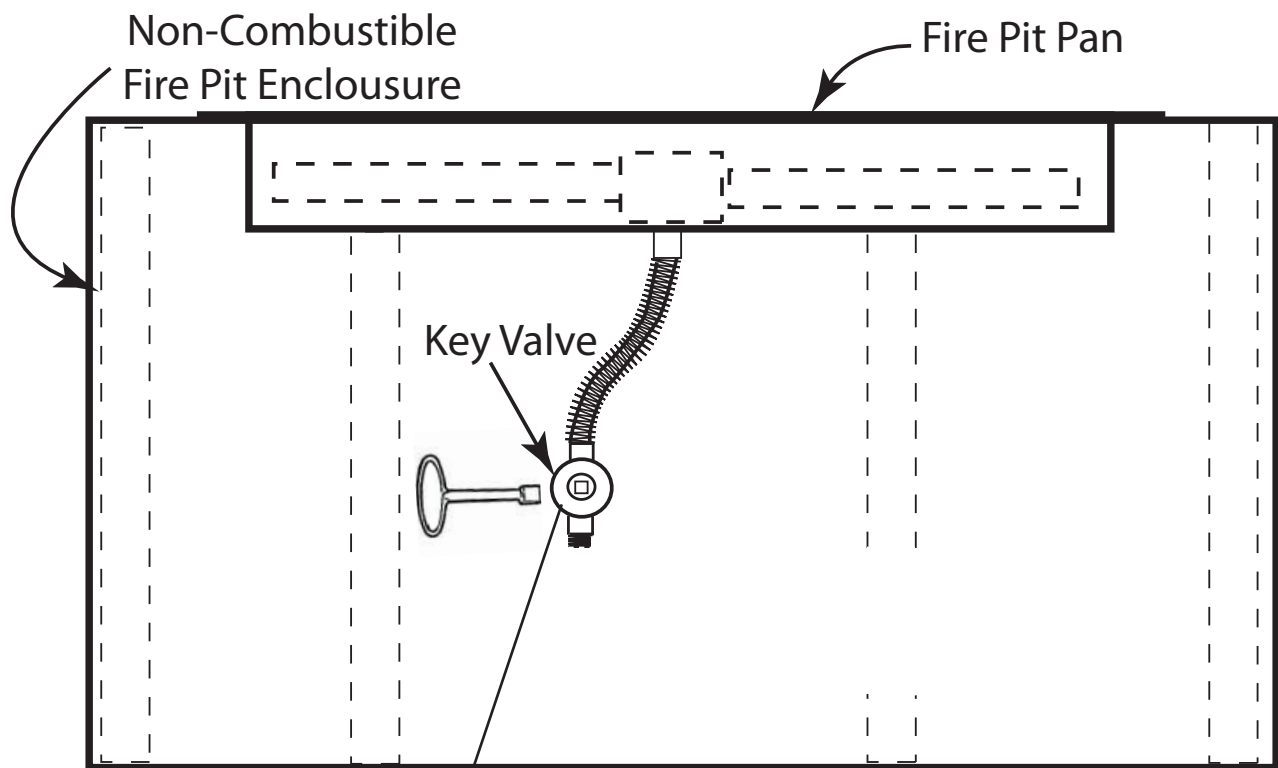
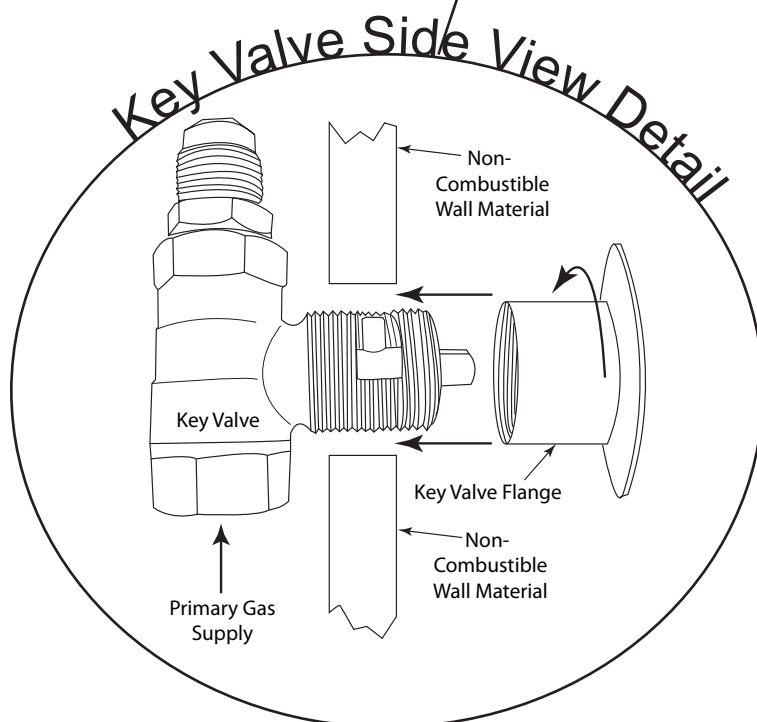


Fig. 4 Key valve components.





**NOTE:** Key valve and flexible gas lines are supplied. Gas shut-off is not supplied.



**Note:** A 1¼" x 2" black iron or galvanized coupler/nipple (not supplied) can be used as a spacer between the manual valve and the valve flange to add additional support to hold the manual key valve in place.

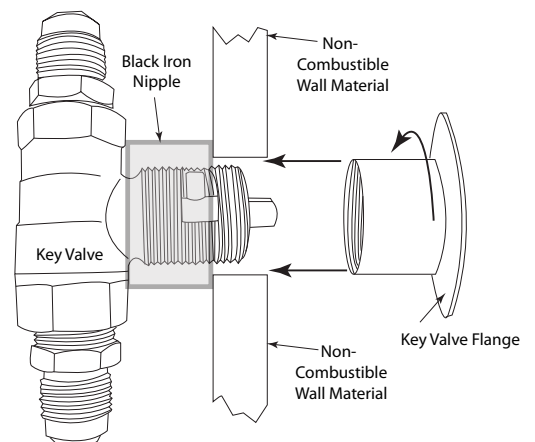
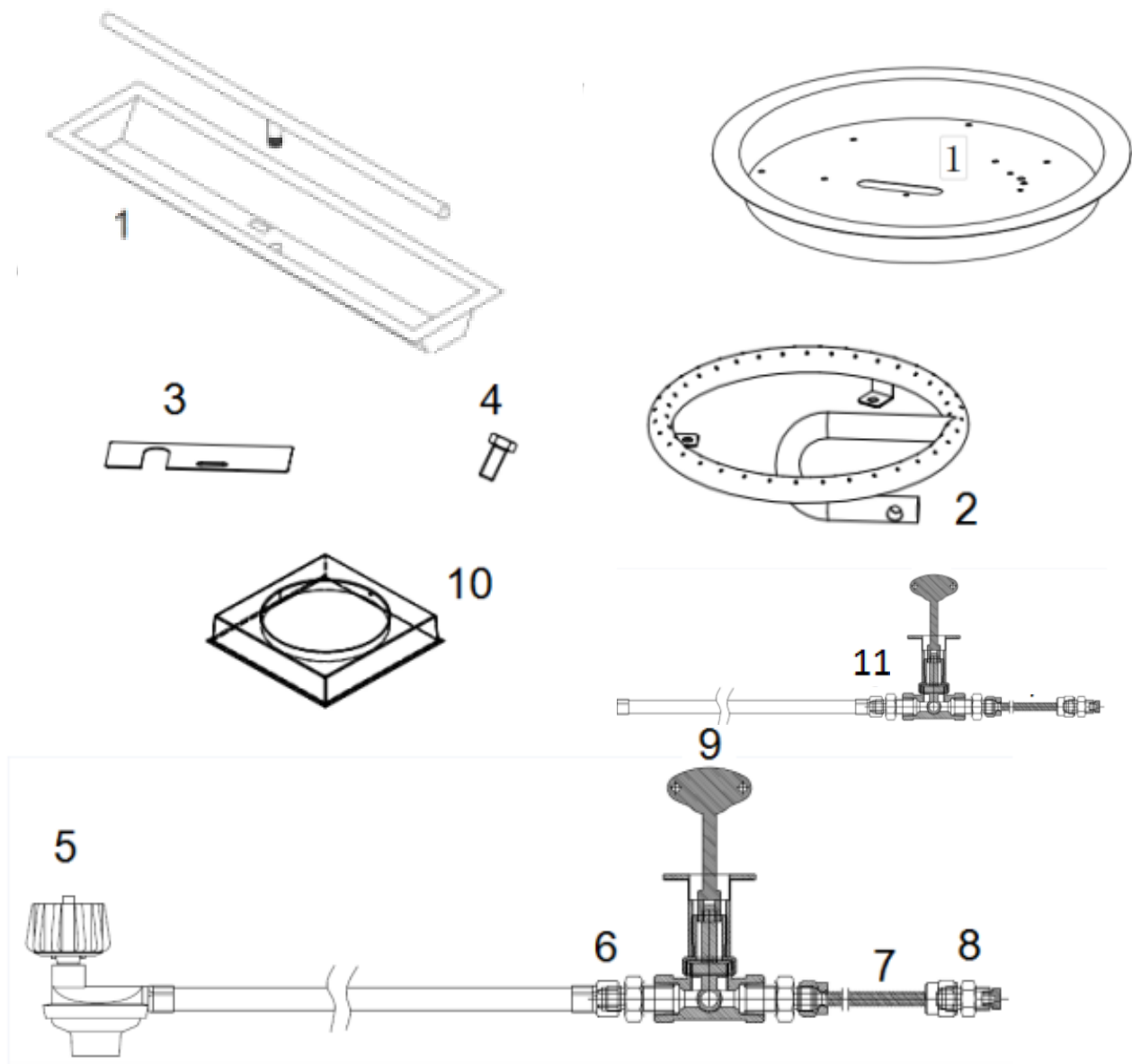
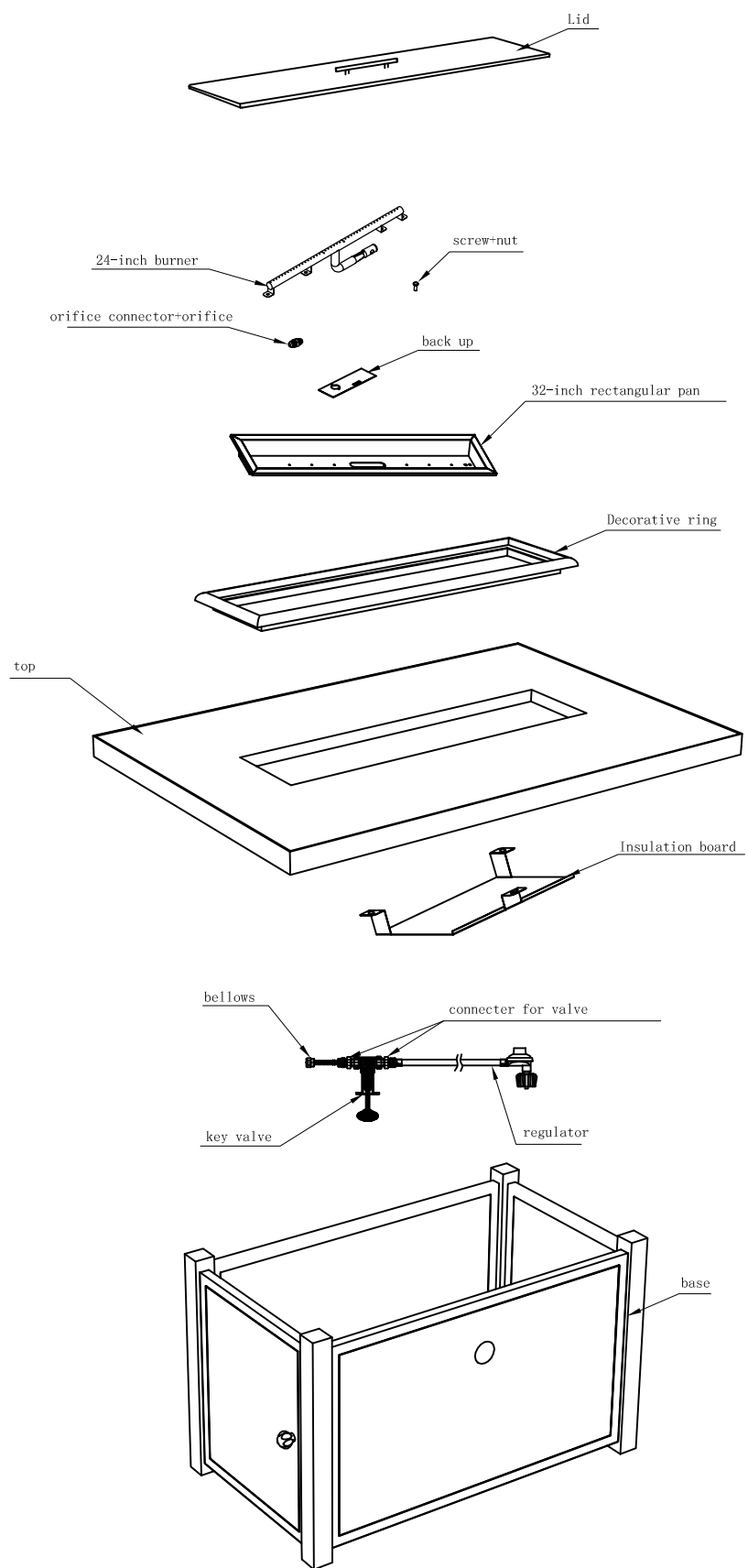


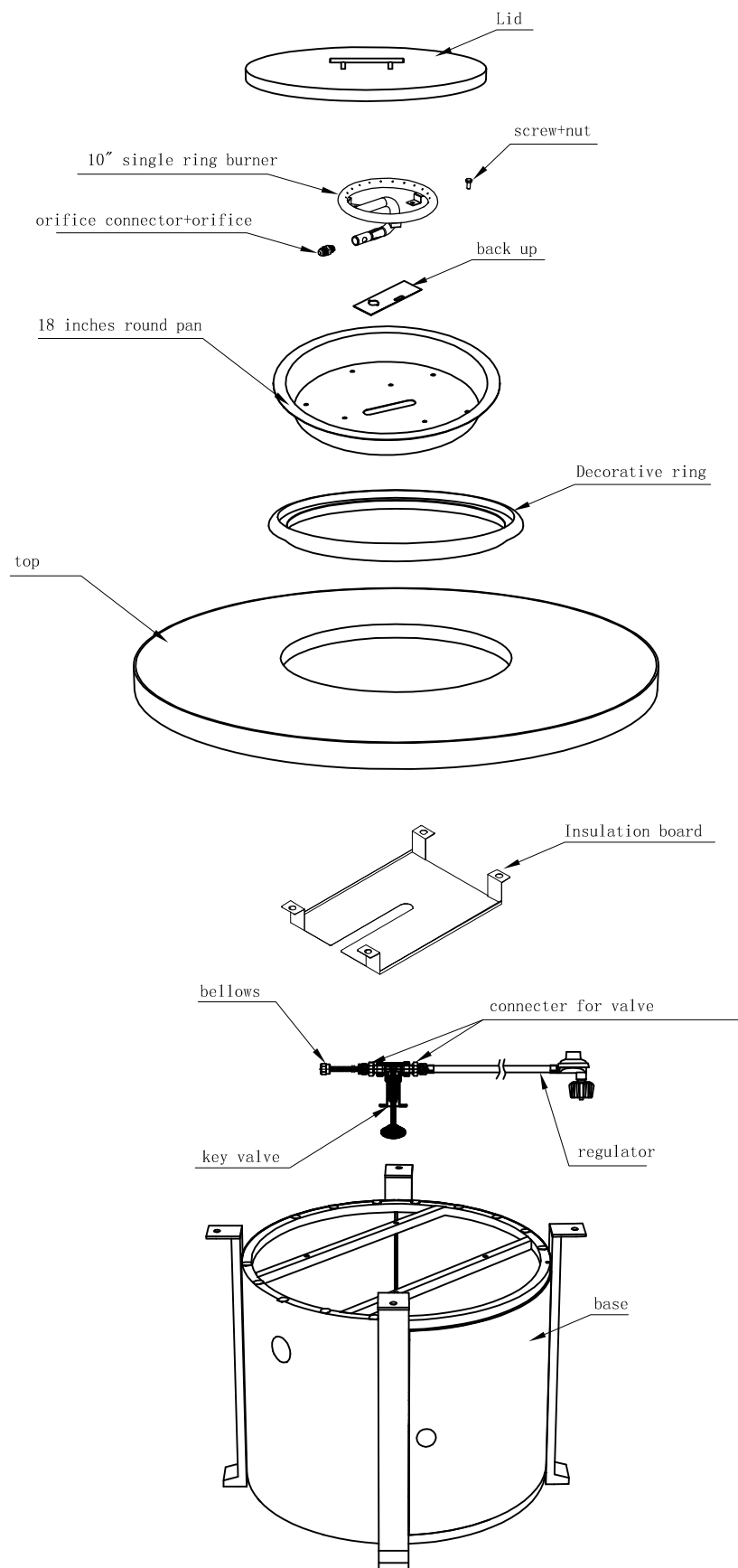
Fig. 5 Typical installation.



No.	Components	Specification	Quantity
1	Round Burner Pan	18"	1
1	Rectangle Pan+burner	30"	1
1	Rectangle Pan+burner	36"	1
2	Burner	10"	1
3	Back up plate	146*50	1
4	Screw	1/4	3
5	Regulator(	1/2 PSI	1
6	LP conversion valve	SS	1
7	Bellows	5/8-18UNF	1
8	Orifice connector+Orifice	Copper	1
9	Key		1
10	Gas tank	SS	1
11	NG conversion valve	SS	1







## Component for round and rectangle list

Component	Specification	Quantity
Lid	Round/Rectangle	1
Burner	Round/Rectangle	1
Screw+nut	1/4	10
Orifice	copper	1
Back up	146*50	1
Pan	Round/Rectangle	1
Decorative ring	Round/Rectangle	1
Top	Round/Rectangle	1
Insulation board	Round/Rectangle	1
Bellows	21"	1
Connector for valve	copper	2
Regulator	1/2 PSI	1
Key valve	copper	1
Base	Round/Rectangle	1

The regulator mode(Applicable to all models):	
RYQE101	T2-LL516
RYQF01	T3-LL516
RYQB01	T8
DC13	
ZQA01	FR00
ZQJ01	FR90
KR101	KR-106A-01
KR101-B	GR-129A-01

## FIRE TABLE ASSEMBLY GUIDE

**Tools Needed:** Crescent Wrench

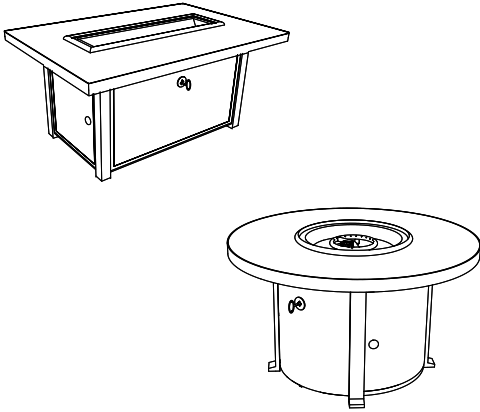


Fig. 7 Place table base on flat surface.

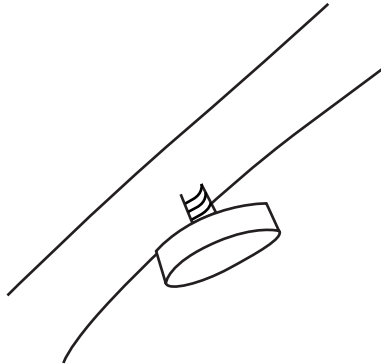


Fig. 8. Use levelers as needed to keep base level.

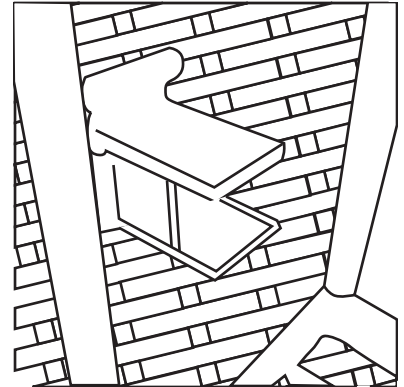


Fig. 9 Insert Chrome flange into exterior bracket hole.

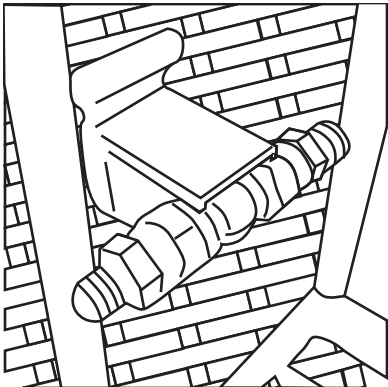


Fig. 10 Place manual valve into gas valve bracket.

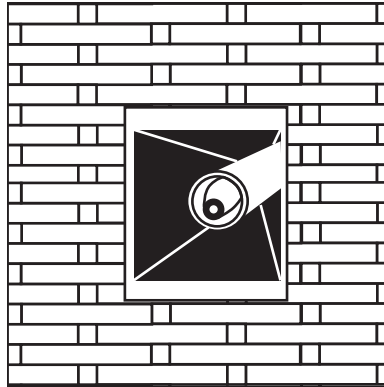


Fig. 11 Bracket and valve as seen from outside base.

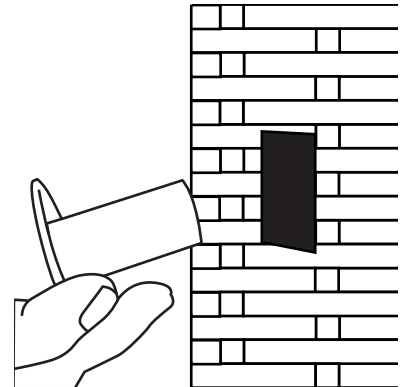


Fig. 12 Insert chrome flange into exterior bracket hole.

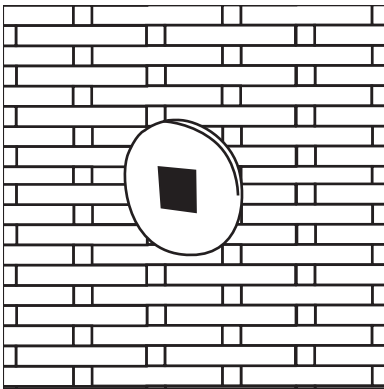


Fig. 13 Tighten chrome flange by hand.

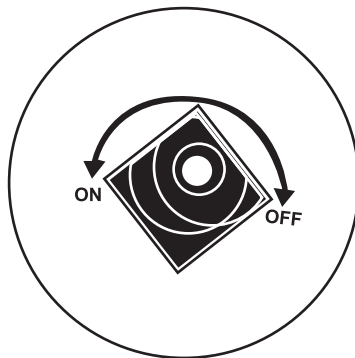


Fig. 14 Chrome flange should "sit" as pictured.

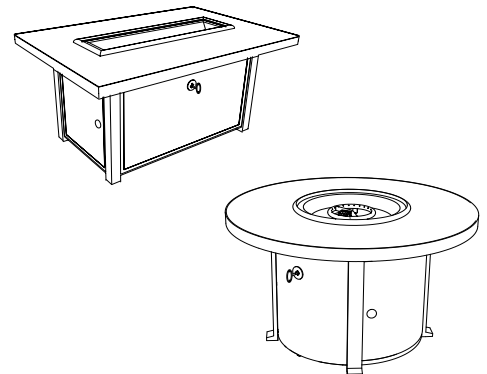


Fig. 15 Place table top on base, centering it over the base.

## FIRE TABLE ASSEMBLY GUIDE CONTINUED

THIS IS A QUICK SET-UP GUIDE ONLY. ENSURE ALL GAS FITTINGS ARE PROPERLY LEAK TESTED

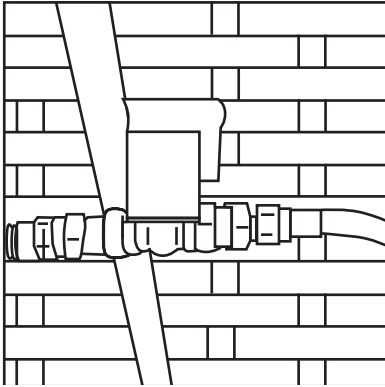


Fig. 16 Attach pressure regulator hose to manual gas valve.

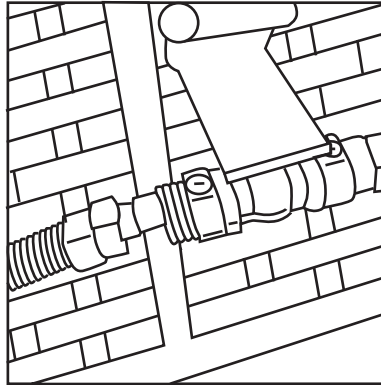


Fig. 17 Attach end of flex connector to manual gas valve.

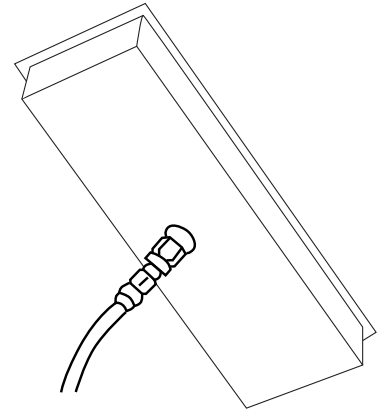


Fig. 18 Attach 1/2" flex connector to 1/2" flared fitting on bottom of pan. Secure and gently lower pan into place.

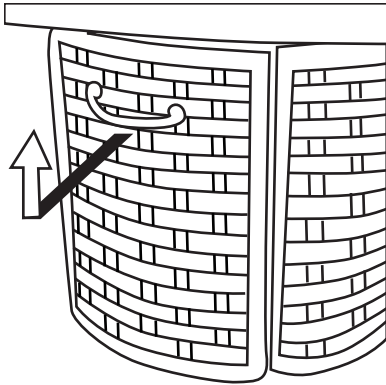


Fig. 19 Remove tank access door with handle (Pull out, lift up).



Fig. 20 Place LP tank in cradle. Lift cradle slowly until tank is upright.

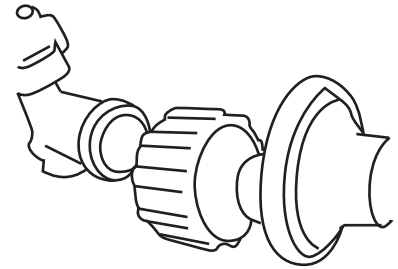


Fig. 21 Attach pressure regulator to LP gas tank.

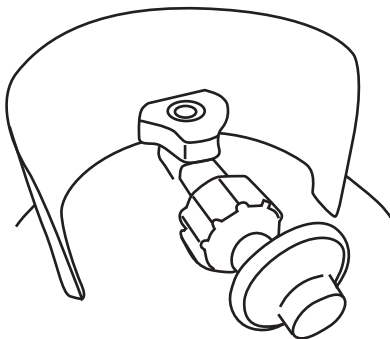


Fig. 22 Ensure all connections are tight and leak free.

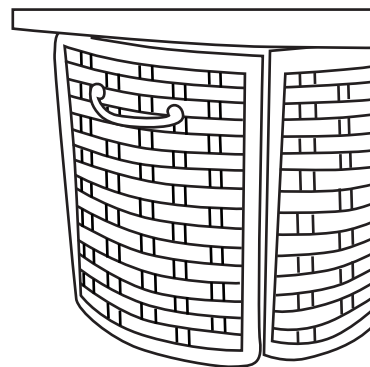


Fig. 23 Install tank access door (Drop down, push in).

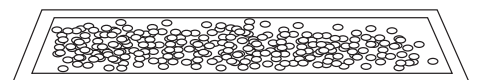


Fig. 24 Add fire glass to burner providing adequate coverage\*.

\*Three (3) bags of fire glass are recommended for adequate coverage of the burner pan.

## LIGHTING INSTRUCTIONS

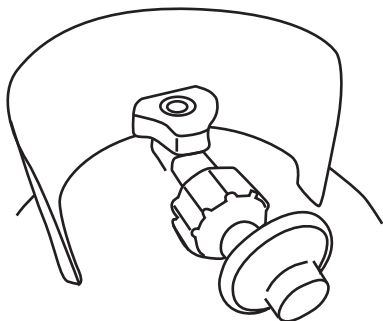


Fig. 25 Turn ON LP tank by turning knob (counter-clockwise) slowly.



Fig. 26 Locate chrome flange and insert key. DO NOT TURN.

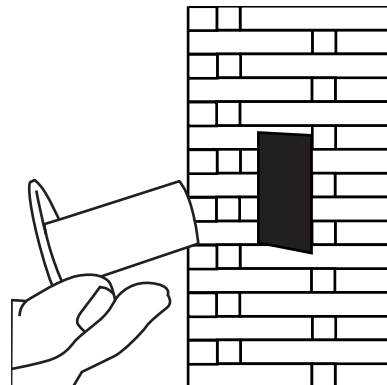


Fig. 27 Light a butane lighter at edge of burner pan.

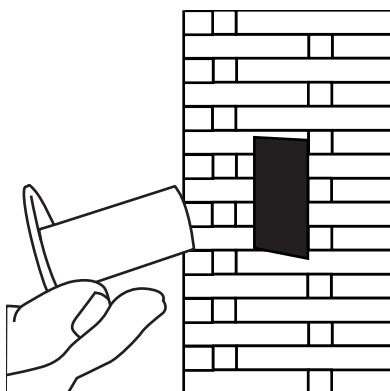


Fig. 28 Slowly turn key (counter clockwise) to ON. Burner will light.

**If you are experiencing any problem lighting the burner, close all valves and do not attempt ignition an further. Inspect for leaks and contact Customer Service.**



## INSTALLATION SAFETY GUIDELINES

- A. Installation and repair should be done by a qualified service person. The appliance should be inspected before use and at least annually by a qualified service person. More frequent cleaning may be required as necessary. It is imperative that control compartment, burners and circulating air passageways of the appliance be kept clean.
- B. Carefully inspect for shipping damage. If any parts are damaged, call the dealer.
- C. Correct installation and proper placement of the unit and decorative media is crucial to the safe performance of the unit. See installation instructions for further information.
- D. Ensure that the unit is installed in such a manner that the vent opening at the base of the unit remains obstacle-free at all times and during all weather conditions.
- E. Due to high temperatures, the unit must be located out of traffic areas and away from combustibles.

## OPERATING THE UNIT SAFELY AND CORRECTLY

- A. **This appliance is only intended for operation in temperatures above 32°F.**
- B. When shutting the unit down—be sure to TURN THE CONTROL VALVE FULLY OFF.
- C. Children MUST be carefully supervised when they are in the area of this appliance.
- D. **DO NOT** sit or place any part of the body, clothing, or other flammable materials on or near the unit surround. Children and adults should be alerted to the hazard of high surface temperatures and should stay away to avoid burns or clothing ignition.
- E. Every time you use the unit, make sure that:
  - 1. The area around the unit is clear and free from combustible materials, gasoline and other flammable vapors and liquids.
  - 2. There is no blockage of the airflow through the vent openings located on the bottom of the unit.
  - 3. The hose is inspected (if applicable). See the SAFE USE & MAINTENANCE OF PROPANE-GAS CYLINDERS section.
- F. **WARNING: HOT WHILE IN OPERATION AND FOLLOWING OPERATION.** Serious injury can occur! **DO NOT** throw trash, paper, or other flammable materials onto the unit. **DO NOT** leave in operation when unattended.  
**WARNING: DO NOT operate this unit in the rain.**
- G. SOLID FUEL MUST NOT BE BURNED in the unit.
- H. **DO NOT** continue using if you smell unusual odors, or have headaches, nausea, or dizziness.
- I. **DO NOT** store any combustible materials, gasoline, and any other flammable vapors/liquids in the vicinity of the unit. Provide adequate clearance for servicing and operation.
- J. Matches, paper, garbage, or any other material must not be thrown onto the unit or into the flame.
- K. **DO NOT** use the unit if any part of it has been underwater. Immediately call a qualified professional service technician to inspect the set and to replace any part of the control system that has been underwater.
- L. The burner must to be replaced if it has evident damage before the appliance being put into operation and the replacement burner shall be specified by the manufacturer.
- M. Any guard or other protective device removed for servicing the appliance shall be replaced prior to operating the appliance.

# SAFE USE & MAINTENANCE OF PROPANE GAS BOTTLES

## 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 used 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 (Fig. 7-1) supplied with this outdoor-cooking gas appliance must be used. Original and replacement pressure regulator and hose assemblies must be those specified by the manufacturer for connection with a cylinder connecting device identified as Type.
- 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.

## LEAK TEST

Turn on the gas supply, ignite the burner, and test at all connections for leaks using a soapy water solution. If bubbles appear, a leak is present. Turn off the gas and tighten at all connections. Repeat until no leaks are present. If a leak persists, turn off the gas supply and contact the local gas company or dealer. **NEVER USE A FLAME TO CHECK FOR LEAKS.**

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. 7-1).

**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.

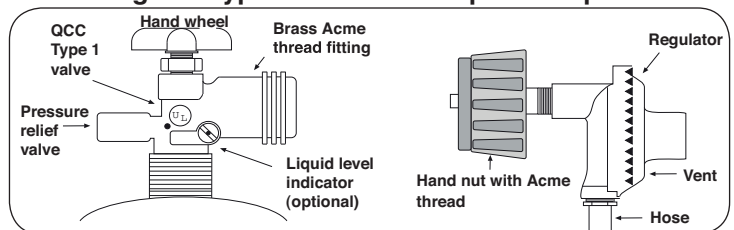
**Carefully** inspect the hose assembly each time before the gas is turned on. A cracked or frayed hose should be replaced immediately.

If the appliance is stored indoors, the cylinder must be disconnected and removed. Disconnected cylinders must be stored outdoors, out of the reach of children, with threaded valve plugs tightly installed, 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. 7-1 Type I Acme thread quick coupler**



Use LP propane gas tanks only with these required measurements:  
12 in. (diameter) x 18 in. (tall) with 20 lb. capacity maximum.

## LOCATION

While following all requirements and safety information in this manual; locate the unit on a flat, level surface.

## CONNECT TO A PROPANE CYLINDER GAS SUPPLY

**Important:** Before installation, be sure the propane cylinder is turned off.

Install the regulator hose assembly to the unit using a gas pipe sealing compound or Teflon Tape. Then attach the regulator end to the propane cylinder and tighten (see Fig. 10-1). Follow all instructions and safety warnings supplied with the propane cylinder.

Place the cylinder in the tank seat, and rotate the screw clockwise to a fully stop. (see Fig. 10-2).

## CONNECT TO A NATURAL OR HOUSEHOLD PROPANE GAS SUPPLY

1. Connect a flex connector to the unit using a gas pipe sealing compound or Teflon Tape (see Fig. 10-3).
2. Bring the gas-supply pipe up from beneath the unit near its center.

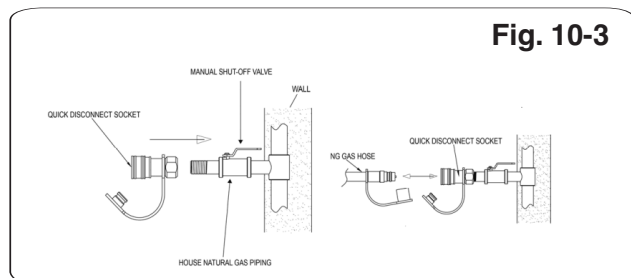
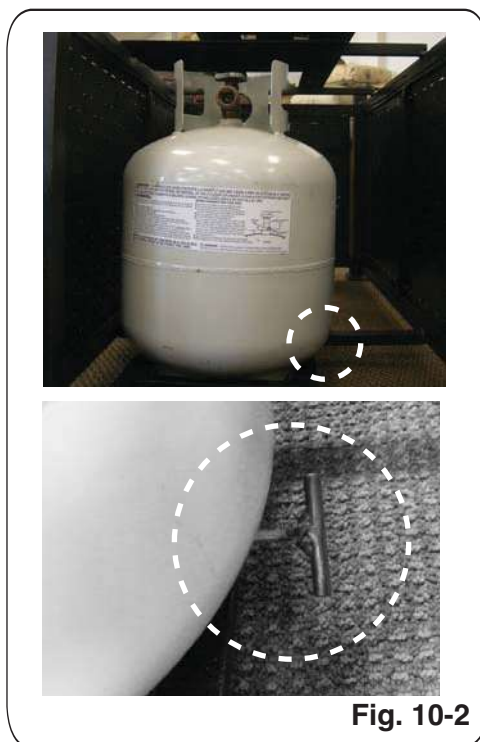
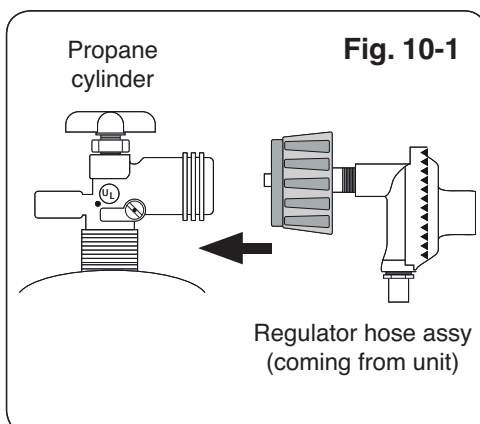
**Note:** Locate the gas supply line out of pathways where people may trip over it or in areas where the line may be subject to accidental damage.

3. Install a flare adaptor to the gas supply (NPT) using a gas pipe sealing compound or Teflon tape (see Fig. 10-3).
4. Connect the flex connector to the flare adaptor (see Fig. 10-3).

## LEAK TEST

Turn on the gas supply, ignite the burner, and test at all connections for leaks using a soapy water solution. If bubbles appear, a leak is present. Turn off the gas and tighten at all connections. Repeat until no leaks are present. If a leak persists, turn off the gas supply and contact the local gas company or dealer. **NEVER USE A FLAME TO CHECK FOR LEAKS.**

\*The gas hose connector shall have a connector that complies with the Standard for Gas Hose Connectors for Portable Outdoor Gas-Fired Appliances,



## CONVERTING TO A DIFFERENT GAS TYPE (MATCH LIT)

To convert **MATCH LIT MANUAL UNITS (only)** from propane to natural gas or from natural to propane gas, carefully follow the steps below:

1. **SHUT OFF THE GAS SUPPLY TO THE UNIT AND ANY NEARBY ELECTRICAL SOURCES OR APPLIANCES.**
2. If present, remove all decorative media from the unit.
3. Remove the screws attaching the burner pan to your enclosure.
4. Carefully detach the flex connector attached to the orifice holder (see Fig. 3 ) and unscrew the orifice holder from the burner pipe (see Fig. 4 ).
5. Remove the orifice from the holder (see Fig. 4 ) and replace with the proper-sized one for your gas requirement. Propane gas requires a 2.30mm(drill size) orifice.Natural gas require a 3.78mm orifice.

**Note:** If you are converting **to and using natural** gas you **MUST** install the air shutter over burner pipe to cover the air holes (see Fig. 4 ). For **propane** (L.P.) gas, remove the air shutter.

Replace the orifice holder and reattach the connector from the valve (see Fig. 3).

The regulator must now be converted to the new gas type.

6. To convert the regulator from propane gas to natural gas.

The appliance must be isolated from the gas supply piping system by closing , It's individual manual shut off valva suring any pressure testing of the gas supply piping system. At test pressure equal to or less than 1/2 psi (3.5 Kpa).

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Connector from valve attached to  
orifice holder on burner pipe

**Fig. 1**



Detach connector from orifice holder when  
changing orifice to a different gas type.

**Fig. 2**



Remove propane pipe.

**Fig. 3**



Install gas pipe.

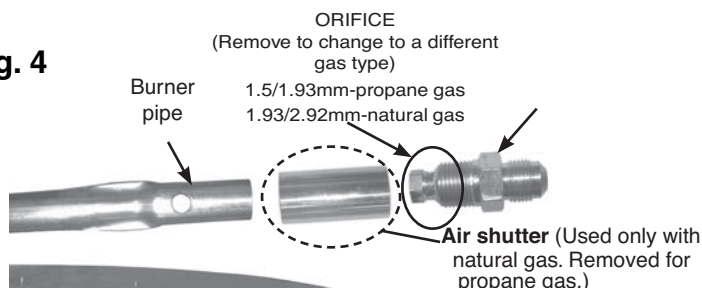
**NG Orifice & Air Shutter**



**NO. OA04**

**NG orifice size: 1.93/  
2.92mm**

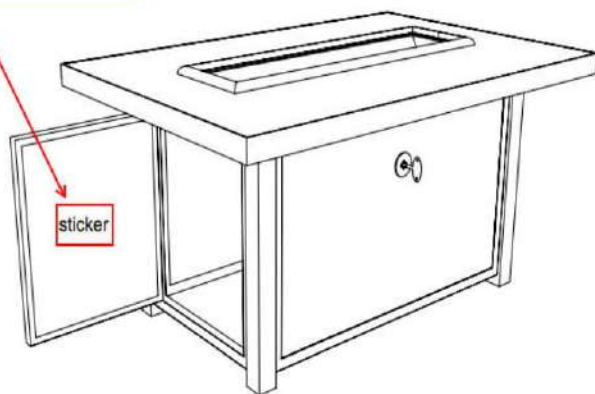
**Fig. 4**



**Note:** You should paste sticker lab on fire pit after changing NG system !



After the conversion, please stick the NG sticker behind the door. Applicable to all models.



Model:	LP Factory Orifice(mm)	NG Factory Orifice(mm)
Ulc-FNC42-C-M series	Ø1.93	Ø2.92
Ulc-FNC48-J-M series	Ø1.5	
Ulc-FNC48N-J-M series		Ø2.92

## WARNING

This conversion kit shall be installed by a qualified service agency in accordance with the manufacturer's instructions and all applicable codes and requirements of the Authority Having Jurisdiction. If the information in these instructions is not followed exactly, a fire, explosion or production of carbon monoxide may result causing property damage, personal injury or loss of life. The qualified service agency is responsible for the proper installation of this kit. The installation is not proper and complete until the operation of the converted appliance is checked as specified in the manufacturer's instructions supplied with the kit.

Item:	<p>Model:</p> <p>Ulc-FNC42-C-M series</p> <p>Ulc-FNC48N-J-M series</p> <p>Ulc-PNC32N-J-M</p> <p>Ulc-PNC18S-C-M</p> <p>Ulc-PNC38S-Y-M</p>
Orifice	<p>Ø2.92</p>
Labels	<p>For Model Series No.</p> <p>Ulc-PNC18S-C-M Ulc-PNC32N-J-M Ulc-PNC38S-Y-M Ulc-FNC42-C-M series Ulc-FNC48N-J-M series</p> <p>This appliance was manufactured for use with natural gas. It may be converted to use with LP gas. (See instructions for details.)</p> <p>Source and address of organization issuing this conversion kit, which assumes the responsibility that this conversion has been properly made.</p> <p>This conversion kit is for use with natural gas.</p> <p>Open end Gas: NG</p> <p>Min. gas supply for input: 2.25 in H<sub>2</sub>O</p> <p>Max. gas supply: 10.0 in H<sub>2</sub>O</p> <p>Maximum Pressure: 1" WC</p> <p>Model Series No.:</p> <p>Ulc-PNC18S-C-M Ulc-PNC32N-J-M Ulc-PNC38S-Y-M Ulc-FNC42-C-M Ulc-FNC48N-J-M</p> <p>NG Conversion Kit</p> <p>This conversion kit can be used on models:</p> <p>Ulc-PNC18S-C-M Ulc-PNC32N-J-M Ulc-PNC38S-Y-M Ulc-FNC42-C-M series Ulc-FNC48N-J-M series</p> <p>The appliance can be converted to use Natural gas by this kit.</p> <p>Conversion Kit Conversion Kit (CAGE)</p> <p>* Please attach this label as close as possible to the rating rating plate.</p>
L shutter	

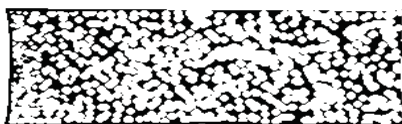
## GLASS CRYSTAL INSTALLATION GUIDELINES

- A. Carefully inspect the carton for shipping damage. If any parts are missing or damaged, call your dealer.  
**Do not attempt** to install the appliance unless all parts are in good condition.
- B. Correct installation is crucial to safe performance of your Outdoor Fire Pit.
- C. Due to high temperatures, the Fire Pit must be located out of traffic areas and away from combustibles.

### PARTS LIST

Replacement parts available from your local retailer

#1



Rectangle brazier with a glass stone: 15LBS (size:9-12mm)

Round brazier with a glass stone: 15LBS (size:9-12mm)

### GLASS CRYSTAL PLACEMENT

**CAUTION – Cuts may occur from the sharp edges on glass. Use safety gloves during the placement of glass.**

Pour the bag of glass crystals into the Outdoor Fire Pit so that the burner is completely covered.  
(See figures #1 and #2). These instructions apply to both round and rectangular burners.

Top View

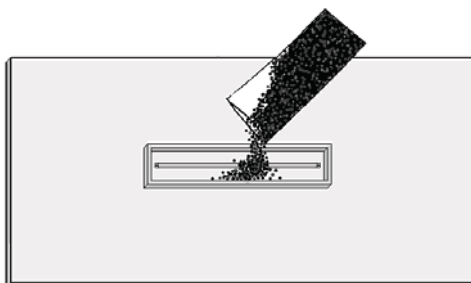


Figure 1

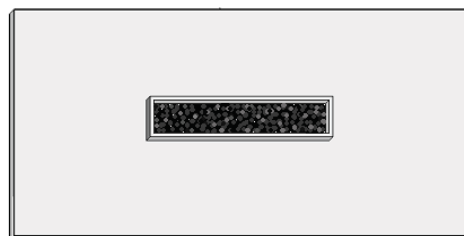


Figure 2

**CAUTION: BURN HAZARD. GLASS CRYSTALS  
WILL REMAIN HOT FOR SOME TIME AFTER USE.**

**YOU MUST MAINTAIN THE LAYOUT AS SHOWN TO ENSURE PROPER OPERATION OF YOUR FIRE  
PIT. IF YOU NEED TO REPOSITION ANY MATERIAL TO MAINTAIN THE PROPER LAYOUT, USE HEAT  
RESISTANT GLOVES OR ALLOW MATERIAL ADEQUATE TIME TO COOL BEFORE HANDLING.**



# OPERATING THE UNIT - LIGHTING AND EXTINGUISHING

## FOR YOUR SAFETY, READ BEFORE LIGHTING

**WARNING: IF YOU DO NOT FOLLOW THESE INSTRUCTIONS EXACTLY, A FIRE OR EXPLOSION MAY RESULT, CAUSING PROPERTY DAMAGE, PERSONAL INJURY, OR LOSS OF LIFE.**

- A. BEFORE LIGHTING**, smell all around the unit area for gas. Be sure to smell next to the floor, because some gas is heavier than air and will settle on the floor.
- B. WHAT TO DO IF YOU SMELL GAS**
1. Shut off the gas to the appliance.
  2. Extinguish any open flame.
  3. If odor continues, immediately call your gas supplier or the fire department.
- C.** Use only your hand to push in or turn the gas control knob. Never use tools. If the knob will not push in or turn by hand, **DO NOT** try to repair it. Call a qualified professional service technician. Force or attempted repair may result in fire or explosion.

## MANUAL (MATCH) LIGHTING INSTRUCTIONS

### LIGHTING INSTRUCTIONS

#### READ ALL WARNING AND SAFETY INFORMATION ABOVE BEFORE ATTEMPTING TO LIGHT FIRE PIT

**CAUTION:** Ensure you have leak tested the fire pit before operating.

#### TURNING ON FIRE PIT

1. Insert key into shut-off valve and secure into square end (see figs 6 & 7).
2. Light a long match or butane lighter and hold it near the burner.
3. Turn the key counter-clockwise in gas valve (until it stops) to allow gas to flow and simultaneously apply the long burning match or Butane lighter as close to the end burner as possible to light the fire pit.
4. Gas should ignite within 10 seconds or less. If fire pit does not light within 10 seconds turn key clockwise to turn **OFF** the gas supply. Ensure there is not too much media on top of the burner that might inhibit gas flow and try again in 5-minutes.

#### TURNING OFF FIRE PIT

1. Insert key into shut-off valve and secure into square end.
2. Turn key clockwise until it stops.
3. After cooling off install cover.

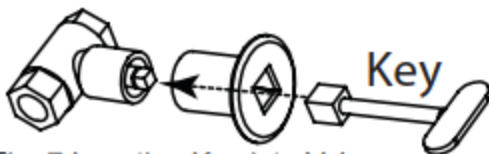


Fig. 7 Inserting Key into Valve



Fig. 6. Key Valve Face

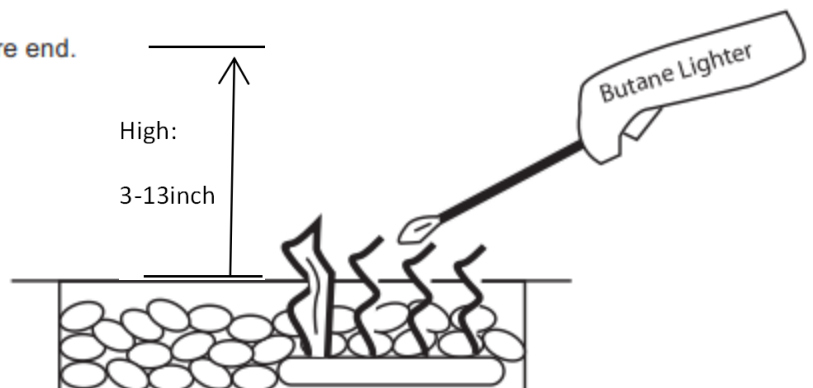


Fig. 8 Lighting fire pit with lighter

## INSTALLATION OF FIRE PIT INTO AN APPROVED ENCLOSURE

### REQUIREMENTS

1. Only non-combustible materials should come in direct contact with any part of the Fire Pit. Underneath area should be non-combustible as well.
2. Only use ¾" gas supply line to the Fire Pit. Based on the selection of the fire pit size, the proper brass fittings should be used to ensure a proper installation.
3. Determine the size of the round or square Fire Pit you are preparing to install (Refer to page 3).
4. You must provide a round or square cut out to place the fire pit into the non-combustible enclosure surround. Use the pattern from the shipping carton for sizing.
5. Follow the local code requirements for the gas type being used. This Fire Pit should be installed in accordance with local codes and ordinances or in the absence of local codes, with the latest National Fuel Gas Code, ANSI Z223.1 NFPA54 or CSA B149.1, Natural and Propane Installation Code in Canada.
6. Fire Pits create high temperatures, it is very important to have any combustibles at a safe distance.
7. Normal operation of the Fire Pit is with a battery box that is supplied with your system (Fig 4). The battery box has 12-feet of black sleeved wire that is to be passed through the junction box provided. This wire should not be cut or spliced and the junction box can be placed in the facing of the vertical finish of the fire pit, if you place the wire under ground you should install those wires into an approved protective conduit/sleeve material.
8. If (optional) 120VAC adapter (Pg.13) is going to be used to power this system it is required to follow all local codes or National Electrical Code ANSI/NFPA 70 for installation of this electrical outlet. A breaker on wall switch with approved outdoor outlet must be used to insure safety to this Fire Pit. When not in use the breaker should be in the OFF position.
9. Fire pit should never be left unattended while in operation. It should always be a safe distance from all trees and combustible landscape materials.
10. Construction of the finished fire pit should be stable and solid. From the bottom of the control box that houses the gas valve and module, it should be a minimum of 4-inches to the ground level. See figure #1. Drainage is critical to ensure that water does not damage and valve components. Never install the fire ring system below grade.
11. **CAUTION: A minimum of 18 square inches of cross ventilation (2 sides) is required to keep the components in good working order.**
12. The insulation square pad provided with the Fire Pit is to be placed foil up toward the bottom of pan on top of the valve box.
13. Never fill the cavity under and around the valve box with any material, this is a provided air space necessary for ventilation.
14. These products are designed for outdoor use only. Not approved for any indoor use.
15. This Fire Pit is designed to have decorative rock, covering the spoke burner. Optional concrete logs can be added to consumers taste. Decorative Rock is not provided. When purchasing decorative rock it is recommended to use minimum of 1-inch diameter rock as a base to fill the burner pan. Decorative glass covering may be loosely scattered on top of rock if desired or non-combustible logs may be added for a campfire look.  
**NOTE:** If using all glass media, glass must be a minimum of 1/4-inch diameter or larger.
16. Gas lines and fittings must be installed in to the non-combustible structure. All gas connections must be leak tested before installation of the fire pit. Soapy water leak detection is required before regular use of the fire pit.
17. Do not use material that will absorb moisture over time and will not release this moisture quickly. Moisture can boil in this material and can rapidly break apart and cause damage or personal injury.
18. Never leave any other combustible material on top of the fire pit. This could cause unsafe operation of this system and damage to the component that will not be covered under our warranty.
19. Cover the complete burner with decorative Rock material (min. 1-inch diameter). Completely cover the spoke burner, no more than 1 inch above the burner.

## **▲ WARNING**

**\*Do not use this fire pit for cooking.**

- \*Do not burn any other materials than are supplied with and intended for use in this fire pit.
- \*Do not pour water into fire pit.
- \*The installation of this product must conform with local codes.
- \*Do not use this fire pit if any part has been under water.
- \*Do not store a spare or disconnected liquid propane cylinder under or near this fire pit.
- \*After a period of storage, and/or non use, the propane fire pit should be checked for gas leaks and burner obstructions before use.
- \*Do not operate the propane fire pit if there is a gas leak present.
- \*Never use a flame to check for gas leaks.
- \*Combustible materials should never be within 10 feet of the top, back or sides of your propane fire pit.
- \*Do not put any other fire pit cover or anything flammable on, or beneath the fire pit.
- \*The propane fire pit should never be used by children. Children must be supervised when they are anywhere near the appliance.
- \*Users should be alerted to the hazards of high surface temperatures and keep a safe distance to avoid burning or clothing ignition.
- \*Pay attention when operating the fire pit. It is hot in use and should never be left unattended. Do not transit it while in operation.
- \*Should fire go out while burning, turn the gas valve off. Follow the instruction and wait five minutes before attempting to relight.
- \*Never use charcoal or any other solid fuel in the fire pit. Never parch clothing or other flammable materials on or near the fire pit.
- \*Never lean over the open fire pit or place hands or fingers on the upper portion of an operational unit.
- \*Keep ventilation openings in cylinder enclosure(FIRE PIT BODY) free and clear of debris.
- \*Do not rest feet on the fire pit.
- \*Please take out the battery when not using the fire pit for an extended length of time.
- \*Do not enlarge valve orifices or burner ports when cleaning the valve or burner.
- \*Cylinder supply system must be arranged for vapor withdrawal
- \*LP Tank used must include a collar to protect the cylinder valve
- \*Never fill the cylinder beyond 80% full
- \*Liquid propane gas is not natural gas. Only use propane for this fire pit.
- \*The conversion or attempted use of natural gas in a liquid propane unit or liquid propane gas in a natural gas unit is dangerous.
- \*Do not use this fire pit on vehicles or boats. Always operate the appliance on flat ground outdoors.
- \*Keep any electrical supply cord and the fuel supply hose away from any heated surfaces.
- \*Do not use this fire pit unless all parts are in place.
- \*Keep the appliance area clear and free from combustible materials, gasoline, and other flammable vapors and liquids.
- \*Inspect the hose before each use of the appliance
- \*The hose assembly must be replaced prior to the appliance being put into operation if there is evidence of excessive abrasion or wear or if the hose is damaged.
- \* If the pvc component be damaged ,please send email to supplier.
- \* Locating the hose out of pathways where people may trip over it or in areas where the hose may be subject to accidental damage.
- \* the burner must be replaced prior to the appliance being put into operation if it is evident that the burner is damaged.
- \*If the burner component be damaged,please send email to supplier.

The LP-gas supply cylinder to be used must be:

- 1) constructed and marked in accordance with the U.S. Department of Transportation(D.O.T.) Specifications for LP-Gas Cylinders, or the Standard for Cylinders, Spheres and Tubes for Transportation of Dangerous Goods and Commission, CAN/CSA-B339, as applicable;
- 2) provided with a listed overfilling prevention device; and
- 3) provided with a cylinder connection device compatible with the connection for the appliance.

## OPERATION

**CAUTION:** Children and adults should be alerted to the hazards on high surface temperatures and should stay away to avoid burns or clothing ignition. Young children should be carefully supervised when they are in the area of the appliance.

**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 control system and any gas control, which has been under water.

### SAFETY WARNINGS

1. Never leave the Fire Pit unattended during operation.
2. Clothing or other flammable materials should not be placed on or near the appliance.
3. Any guard or other protective device removed for servicing the appliance must be replaced prior to operating the appliance.
4. Installation and repair should be done by a qualified service person. The appliance should be inspected before use and at least annually by a qualified service person. More frequent cleaning may be required as necessary. It is imperative the control compartment, burners and circulating air passageways of the appliance be kept clean.
5. Inspect the fuel supply connection before each use of the appliance.
6. Temporary storage of this appliance indoors is permissible only if it has been disconnected from its fuel supply (Natural or L.P. gas line).

### WARNING

1. This appliance is hot when operated and can cause severe burns if contacted.
2. Do not burn any solid fuels in this appliance.

## Maintenance

**WARNING:** Any guard or protective device removed for servicing must be replaced prior to operating the fire pit.

**WARNING:** Installation and repair should be done by a qualified service person. Fire pits should be inspected prior to use and at least annually by a qualified service person.

**WARNING:** Ensure gas and power (if applicable) are shut off and fire pit is cool before servicing.

- Keep fire pit covered at all times when not in use.
- Keep any debris out of fire pit- 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 logs and 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.
- Ignition Battery: For changing, simply unscrew cap, replace battery, and tighten cap.

## Troubleshooting

Below are some potential causes and countermeasures to the symptoms indicated in bold. Please contact your retailer or certified technician for service & repair.

Below are some potential causes and countermeasures to the symptoms indicated in bold. If still unable to resolve issue, please contact your retailer or certified technician.

### **Will Not Light**

- |                                 |  |
|---------------------------------|--|
| 1. Air in gas line.             | If new install, may take several attempts to purge air                             |
| 2. Debris in gas line.          | Confirm gas line is clear (insulation, dirt, plastic, excessive pipe sealer etc..) |
| 3. Gas Pressure Improper        | Confirm proper gas pressure found (Section 1)                                      |
| 4. Spark Igniter needs adjusted | Spark Igniter Must be correctly aligned with burner holes.                         |
| 5. Weak Batteries               | Replace batteries.   |
| 6. Wire is shorted              | Re-route wire away from conductive materials.                                      |

### **Will Not Stay Lit**

- |                             |   |
|-----------------------------|---|
| 1. Gas Pressure Improper    | Confirm proper gas pressure found (Section 1) |
| 2. Improperly applied media | Review Media in (Section 5)                   |

### **Noise**

- |                    |                           |
|--------------------|---------------------------|
| 1. Whistling Sound | Change Flex line routing. |
|--------------------|---------------------------|