



**Fire Pit Series:**

TEE-PEE Stack (TPS)  
Round Tall Stack (RTS)  
Round Flat Stack (RFS)

**INSTALLATION AND OPERATIONS GUIDE FOR  
GRAND CANYON GAS LOG FIRE PIT SERIES ONLY**

**Installation and service must be provided by a qualified installer, service agency or gas supplier**

Grand Canyon Gas Logs, logs are made of cement refractory material re-enforced with steel fibers. Each of the logs are hand painted and hand finished to recreate the most realistic logs available on the market. The outdoor burner system is designed to recreate and burn like a real wood burning camp fire with a natural looking flame. With this in mind the gas log sets **MUST** be burned in a fully vented, non-combustible fire pit with the. The fire pit must be designed and approved to burn wood.

**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**

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

**WHAT TO DO IF YOU SMELL GAS**

- **Do not try to light any appliance**
- **Do not touch any electrical switch; do not use any phone in the building**
- **Immediately call the gas supplier from a neighbor's phone. Follow the gas supplier's instructions**
- **If you cannot reach the gas supplier, call the fire department.**
- **Installation and service must be performed by a qualified installer, service agency or the gas supplier**

This equipment is intended for use with an input of natural or Propane gas only. Clothing or other flammable materials should not be hung from the appliance, or placed on or near the appliance.

Children and adults should be alerted to the hazards of 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. Keep the appliance area clear and free from combustible materials, gasoline and other flammable vapors and liquids. For installation on or over non-combustible floors only.

**NEVER LEAVE THIS APPLIANCE BURNING WHILE UNATTENDED**

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 the burner and circulating air passageways of the firepit be kept clean. Storage of the appliance indoors is permissible only if the gas cylinder is disconnected and removed from the appliance.

To comply with certifications, listings, and building code acceptances, and for safe operation and proper performance of this log set, use only Grand Canyon Gas Logs parts and accessories. Use of other controls, parts, and accessories that are not designed for use with Grand Canyon Gas Logs log set is prohibited and will void all the warranties, certifications, listings and building code

**WARRANTY**

Grand Canyon Gas Logs burners and logs carry a lifetime warranty against breakage and defects to the original purchaser. ALL GCGL valves, pilot assemblies and electrical components carry a 2 year warranty as long as installed indoors and installed by a licensed professional. Further warranty information can be found in the warranty section of this guide.

**INSTALLER: Leave this manual with the log set**  
**CONSUMER: Retain this manual for future reference.**

## IMPORTANT INFORMATION

**WARNING: This appliance assembly contains burner orifices specifically for the input gas specified on the burner and box, as well as the Btu rating specified in this manual. Modifying or failure to use the factory orifice may cause property damage, personal injury or loss of life.**

**Read these instructions completely before installing and using Grand Canyon Gas Log system.**

1. Gas type will be indicated on the burner and the box. Do not use a natural gas burner with propane or a propane burner with natural gas.
2. The installation, provisions for combustion, and ventilation air must conform to the National Fuel Gas Code, *ANSI Z223.1/NFPA54*, or the *CSA B 149.1*, National Gas and Propane Installation Code.
3. For warranty to be valid gas log sets must be installed by a NFI certified or other qualified professional.
4. This appliance must be installed only in a solid-fuel burning fireplace with a working flue and constructed of non-combustible materials. Solid fuels are not to be burned in a fireplace where a decorative appliance has been installed.
5. A permanent free opening must be provided by either the fireplace chimney or chimney damper to vent carbon monoxide and other flue gases. Any chimney damper must be fixed in a manner, which will maintain the permanent free opening at all times. Use the table at the bottom of this page to determine the minimum permanent free opening based on chimney height and the appliance Btu rating.
6. A fireplace screen must be in place when the appliance is operating and, unless other provisions for combustion air are provided, the screen shall have an opening(s) for introduction of combustion air. With use of glass doors, doors must be open while the appliance is burning to assure proper ventilation.
7. The minimum inlet supply pressure for the purpose of input adjustment is 5.0 inches (natural gas) 8.0 inches (propane) in water column. The maximum inlet supply pressure is 10.5 inches (natural gas) 13.0 inches (propane) in water column.
8. The appliance and its individual shut-off valve must be disconnected from the gas supply piping system during any pressure testing of that system at test pressures in excess of ½ psig (3.5kPa). The appliance must be isolated from the gas supply piping system by closing its individual manual valve during pressure testing equal to or less than ½ psig (3.5kPa).
9. The appliance area is to be clear and free from combustible materials, gasoline and other flammable vapors and liquids.
10. 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 gas control which has been under water.
11. The fire pit should be examined prior to use and inspected by a qualified agency. The burner should be cleaned annually by a qualified agency
12. To clean the burner shut off and disconnect the gas supply, use a pipe cleaner to clean out burner ports and vacuum the inside of the burner by removing the orifice/air mixer fitting from the inlet of the burner. After the burner is cleaned, attach the orifice/air mixer fitting onto the inlet of the burner and reconnect the gas supply. Light according to the "Lighting Instructions".
13. If burning a log set, use a soft dry paintbrush for periodic dusting of the gas fire logs. Special care must be taken to clean the logs because rubbing will remove soot but will also remove the color.
14. If the fire pit has a cover allow the fire pit to completely cool prior to covering.
15. The top of the fire pit must be fully open and clear of any obstruction prior to igniting the burner system. All covers, caps and lids must be removed before the burner system is in operation
16. A manual gas valve and 11.0" W.C pressure regulator must be installed prior to the use of the propane cylinder

### FIREPIT SIZE REQUIREMENTS

Burner Size	Fire Pit Min. Diameter	Burner Dimensions			BTU	
		Length	Depth	Height	NAT.	L.P.
24"	24"	12"	17"	10"	105K	100K
30"	30"	16"	21"	10"	120K	115K
36"	36"	22"	27"	10"	140K	130K
48"	48"	34"	39"	10"	180K	170K

## GAS CYLINDERS

1. This appliance shall be used with NATURAL and LP inlet gas supply only. The LP or CNG gas supply cylinder must be constructed and marked in accordance with the specifications for LP-gas cylinders or CNG-gas cylinders of the U.S. Department of Transportation (DOT).
2. The use or storage of the LP or CNG cylinder may not be used in a building, garage or any other enclosed area.
3. Cylinders must be stored outdoors in a well-ventilated area out of the reach of children. Disconnected cylinders must have threaded valve plugs tightly installed.
4. If the appliance is not in use, the gas must be turned off at the supply cylinder
5. 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 hose is damaged. The hose assembly must be replaced with a replacement hose assembly equivalent to, or greater than, rating specified on the original hose.
6. The gas hose shall be located out of the pathways where people may trip over it or in areas where the hose may be subject to accidental damage.
7. Never use matches or open flame to test for leaks. Use soapy water or a leak detector.
8. Do not store or use LP-gas supply cylinder around excessive heat; the cylinder may get too hot or cause the pressure to rise. Store the cylinder in a secure upright position.
9. Cylinder must be fully opened and the pressure controlled by reducing pressure regulator to operate properly.

## TEE-PEE STACK PARTS LIST

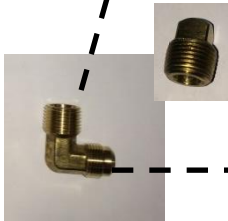
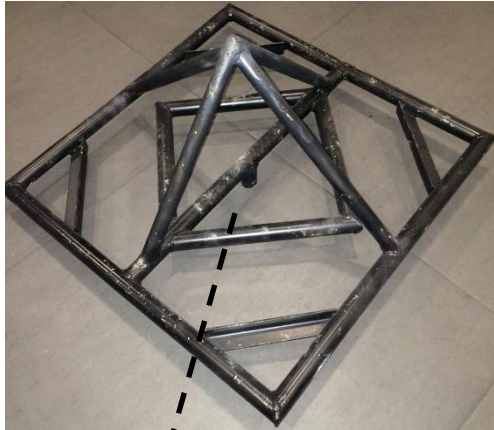


1. **Outdoor TEE-PEE Burner (OTPB-24, OTPB-30, OTPB-36, OTPB-48)**
2. **½" x 16" non-whistle flex line**
3. **90\* ½ MIP x ½ FIP**
4. **½ Angle Key Valve**
5. **Straight ½ MIP x ½ FIP**
6. **Lava Rock**
7. **LP orifice (Come standard with NG)**

## TEE-PEE STACK INSTALLATION

### NATURAL GAS OR LIQUID PROPANE WITH A KEY VALVE

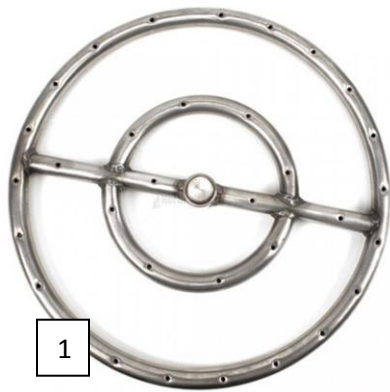
1. Make sure gas is shut off
2. Connect your gas supply to the key valve
3. Attach the other side of the valve to the flex connector
4. For **LP ONLY** Remove elbow from bottom of burner and insert LP orifice
5. Attach the other end of the flex line to 90\* elbow attached to the underside of the burner
6. Place burner in the center on the fire pit then filling up the bottom tubes of the burner with lava rock



For **LP ONLY** remove 90\* elbow and insert LP



## ROUND TALL STACK PARTS LIST



1



2



3

4

5



6

1. Fire Ring Stainless Steel (FRS18, FRS24, FRS30, FRS36, FRS48)
2. 1/2" x 16" non-whistle flex line
3. 90° 1/2 MIP x 1/2 FIP
4. 1/2 Angle Key Valve
5. Straight 1/2 MIP x 1/2 FIP
6. Lava Rock
7. Torch Star (TS-SS-09, TS-SS-12)
8. 1/2" X 6" Pipe



8



7

## ROUND TALL STACK INSTALLATION

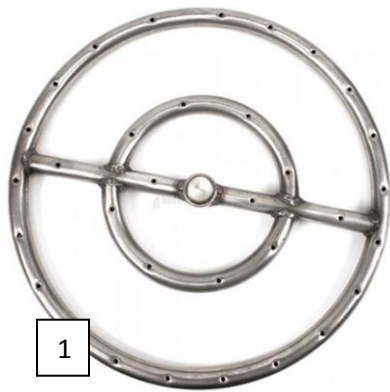
### NATURAL GAS OR LIQUID PROPANE WITH A KEY VALVE

1. Make sure gas is shut off
2. Connect your gas supply to the key valve
3. Attach the other side of the valve to the flex connector
4. Attach elbow to fire ring with holes pointed up
5. Remove plug on top of fire ring and screw in 1/2 x 6" pipe
6. Screw torch star to the pipe, add in lava rock and stack logs





## ROUND FLAT STACK PARTS LIST

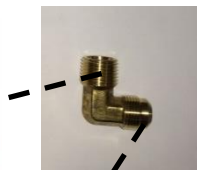


1. Fire Ring Stainless Steel (FRS18, FRS24, FRS30, FRS36, FRS48)
2. 1/2" x 16" non-whistle flex line
3. 90\* 1/2 MIP x 1/2 FIP
4. 1/2 Angle Key Valve
5. Straight 1/2 MIP x 1/2 FIP
6. Lava Rock

## ROUND FLAT STACK INSTALLATION

### NATURAL GAS OR LIQUID PROPANE WITH A KEY VALVE

1. Make sure gas is shut off
2. Connect your gas supply to the key valve
3. Attach the other side of the valve to the flex connector
4. Attach elbow to fire ring with holes pointed up
5. Add in lava rock and stack logs



**CAUTION: WHEN BURNING THE FIRE PIT WITH CINDER FOR THE FIRST TIME IT WILL POP AND SHOOT OUT. KEEP AT LEAST 10 FEET AWAY FROM THE BURNER DURING INITIAL BURN IN PERIOD.**

#### **LIGHTING INSTRUCTIONS**

1. **STOP!** Read the **Gas Cylinder Important Information** section before attempting to light the appliance
2. **BEFORE LIGHTING:** Smell all around the appliance area for gas. Be sure to smell next to the floor of the fire pit because some gas is heavier than air and will settle in the base of the fire pit
3. Light a match and place it just to the top and outside area of the Top Burner Tube.
4. Slowly turn the manual gas valve to the “OPEN” position. The fire pit burner should ignite between 0 to 3 seconds

## WARRANTY

**Refractory Logs:** Grand Canyon Gas Logs, logs carry a lifetime warranty against any manufacture defects or breakage as long as the products are installed inside. In the event defect or breakage occurs a replacement will be available to pick-up from the dealer at which the log set was originally purchased. This warranty does not cover breakage caused by excessive handling once installed and fired. Logs installed outdoors carry a (1) year warranty. This warranty is limited to original purchaser only.

**Burner:** Grand Canyon Gas Logs burners carry a life time warranty against manufacture defects or breakage as long as the appliance is installed inside and by a professional installer. In the event a defect or breakage occurs a replacement will be available for pick-up from the dealer at which the burner was originally purchased. Burners installed outside carry a (1) year warranty. Outdoor specific burners (OTPB Series or SS Series) carry a life time warranty against manufacture defects or breakage when installed outside. This warranty is limited to original purchaser only.

**Electrical and Valves:** Grand Canyon Gas Logs valves, pilot assemblies and electrical components carry a (2) year warranty against breakage or defects from date of purchase, by original purchaser, and must be installed by a licensed professional installer. This warranty only covers use with Grand Canyon Gas Logs burners and logs. In the event a defect or breakage occurs a replacement will be available for pick-up from the dealer at which the burner was originally purchased. Products installed outdoor carry a (1) year warranty.

### **WARRANTY CARD:**

**Please fill this warrant card and mail it to Grand Canyon Gas Logs to receive a warranty claim**

**Purchased from:**

**City, State**

**Day/Month/Year:**

**Your information**

**Name:**

**City, State:**

**Phone Number:**

**Date of install:**

**Mail to:**

**Grand Canyon Gas Logs**

**3435 E. Atlanta Ave.**

**Phoenix, AZ 85040**