

# ATHENA

## FIREGLASS & ACCESSORIES

### DIP Burner Installation & Operation Manual



**Rectangular**

DIP-REC-"SIZE"



**Round**

DIP-RND-"SIZE"



**Linear**

DIP-LN-"SIZE"

**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

**18 sq. in of cross Ventilation MUST be designed into ALL installation applications.**

**WARNING:** Do not operate this fire feature in high-wind conditions. Operating in high-wind conditions may expose your model to direct flame, which will result in cracking and discoloration to the finish.

**CARBON MONOXIDE HAZARD**

This appliance can produce carbon monoxide which has no odor.

Using it in an enclosed area can kill you.

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



Combustion byproducts produced when using this product contains chemicals known to the state of California to cause cancer, birth defects or other reproductive harm.

Handling the brass material on this product exposes you to lead, a chemical known to the state of California to cause cancer, birth defects or other reproductive harm (wash hands after handling this product)

For more information go to this website  
[www.P65warnings.ca.gov](http://www.P65warnings.ca.gov)

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

**INSTALLER:** Leave this manual with the fire table  
**CONSUMER:** Retain this manual for future reference.



**Warning: For Outdoor Use Only**

# Dimensions & Parts List

## Burner Specifications

Model #	Pan Length	Pan Width	Burner Length	Burner Width	BTU NG	BTU LP
DIP-RN-19	22"	22"	12"	12"	65K	65K
DIP-RN-25	28"	28"	18"	18"	65K	65K
DIP-RN-31	34"	24"	24"	24"	95K	95K
DIP-REC-24	26.5"	10.5"	22"	6"	65K	65K
DIP-REC-30	32.5"	12.5"	28"	8"	65K	65K
DIP-REC-36	38.5"	14.5"	34"	10"	95K	95K
DIP-REC-48	50.5"	16.5"	46"	12"	95K	95K
DIP-LN-36	38.5"	8.5"	34"	0.5"	65K	65K
DIP-LN-48	50.5"	8.5"	46"	0.5"	95K	95K
DIP-LN-60	62.5"	8.5"	58"	0.5"	95K	95K
DIP-LN-72	74.5"	8.5"	70"	0.5"	95K	95K

## Minimum Clearance To Combustibles

Side Walls	Ceiling	Floor
<b>36"</b>	<b>96"</b>	<b>18"</b>

Pressure	NG	LP
Min. Inlet	3.5" W.C.	8" W.C.
Max. Inlet	14" W.C.	14" W.C.
Normal	7" W.C.	11" W.C.

## Parts List

1.	Burner & Pan
2.	Natural Gas Orifice
3.	Propane Orifice
4.	Flex line & Fittings
5.	Installation Manual

- Drop-In Pans (DIP) are available in an assortment of sizes in Round, Rectangular & Linear. Refer to the above chart for specific specifications
- Drip-In Pans (DIP) include the gas specific orifice. The **Natural Gas** orifice is a solid brass fitting with a single hole in the middle pre drilled.
- Drip-In Pans (DIP) include the gas specific orifice. The **Propane** orifice is a solid brass fitting with a multiple air mixer holes drilled around the neck & single hole in the middle pre drilled.
- Each Drop-In Pan (DIP) include the gas connection fittings of a flex line and connections.



Propane Orifice



Natural Gas Orifice



Flex line & Fittings

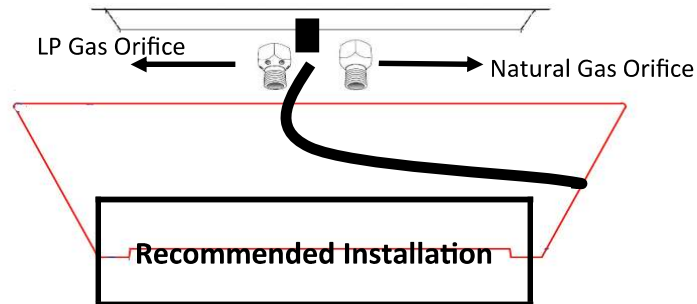


Burner & Pan Options



## Installation Instructions

1. The Drop-In Pans (DIP) are for Outdoor Use ONLY. **DO NOT install indoors.**
2. Refer to the NFPA54 (National Fuel Gas Code) for proper pipe sizing. Follow the local code requirements for the gas type being used. This fire feature 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
3. Carefully prepare installation area making sure that area is clear of all debris & combustible material. DO NOT install the burner on grass, dirt or soft material as this will prevent proper ventilation.
4. Using Proper pipe dope or Teflon tape on the threaded pipe nipple on the bottom of the DIP burners, Screw on the Natural Gas or Propane orifice with an open ended wrench.
5. Once the orifice is in place, attach the 1/2" FIP x 5/8" Flare fitting to the bottom of the pan. Next connect the 5/8" whistle free flex line to the bottom of the pan.
6. Using the additional flare x MIP straight fitting insert that into the side of the key valve. The key way valve is direction, thus make sure the arrow is pointing in the direction of the gas flow.
7. Connect your incoming gas line to the key way valve following the directional flow arrow on the valve.
8. Check ALL gas connections with soapy water to ensure gas connection are leak free
9. For Installation with Weather Beater Hot Surface Ignition system, Please refer to Weather Beater Manual



## Media Installation

1. All media lava rock and/or fire glass has the potential of thermal spalling. This is a process that may occur when media is wet and moisture gets trapped inside of the material due to rapid temperature differences. When this happens the media has the potential to crack or "pop" outside of the fire-pit.
2. If Purchased Install lava rock into the burner pan. Ensure that lava rock is a 1" to 2" inch in diameter for proper operation. DO NOT pour lava directly from the bag due to the dust that can collect in the bag. It should be placed naturally and NOT packed in tightly. Loose fitting is important to ensure robust flames. Be sure rocks are free of dust as this ensures the burner pan weep hole do not get clogged up. IF USED the pilot head must not be completely covered to ensure proper pilot hood ventilation
3. If purchased Install the glass media into the burner pan. Ensure the glass media is 1/2" to 3/4" in size & rated for use with fire. Carefully pour the glass into the burner pan & cover the burner completely with no more than 1" of media over the top of the burner. IF USED the pilot head must not be completely covered to ensure proper pilot hood ventilation
4. Logs and or Cannon Balls can be use as accent pieces laid on top of previously mentioned media.

# 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 outdoor stainless steel burners carry a life time warranty against manufacture defects or breakage as long as the appliance is installed 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.

**Electrical and Valves:** Grand Canyon Gas Logs valves, pilot assemblies and electrical components carry a (1) year warranty against breakage or defects from date of purchase, by original purchaser, and must be installed be 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.

**GFRC Fire-Tables:** Grand Canyon Gas Logs GFRC Fire Tables carry a (1) year warranty against manufacture defects. Grand Canyon Gas Logs will replace product which has proven to be defective in workmanship and material. ALL Fire-Tables **MUST** be covered when not in use to prevent efflorescence. Damage due to severe or catastrophic weather is not covered under this warranty. The warranty is limited to the original purchaser, and must be installed be 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.

**Care & Cleaning of the Product:** Standard Concrete and GFRC Products can be cleaned by simply wiping down the product using a solution of 1-part vinegar to 4-parts of water. If areas of excess dirt exist, us a soft bristled brush to gently scrub the surface then rinse with clean water. Cleaning and/or resealing of the product should follow the instructions of the sealer to be applied. For cold weather applications, it is always best that all products remain as dry as possible and all water is drained prior to freezing temperatures. The installer is responsible for the implementation and design of the need for cold weather care procedures. Covers can be utilized and are a suggested cold weather application need but covers alone will typically not meet all requirements. Hard freeze of product may cause damage to the product.

**DFW Coping Glass Fiber Reinforced Concrete Products ( GFRC ):** GFRC products are made with, but not limited to Portland Cement, Glass Fibers, Silicon Aggregate and Water all of which are Non-Combustible and meets the requirements of ASTM E-136. In addition, test for non-combustibility, ignitability and fire propagation have been conducted in accordance with "Fire Test on Building Materials and Structures". BS476, Part 4,5 and Section 6532. GFRC also meets the requirements of NFPA (National Fire Protection Agency) Class A and UBC Class 1 when tested in accordance to ASTM E84, resulting in a "O" Flame Spread Rating and less than a 5-smoke density. Additionally, the DFW Coping GFRC products contain internal waterproofing materials to enhance the products to withstand water and planter applications.

**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:**

**Name:**

**City, State:**

**Phone Number:**

**Date of install:**

**Mail to:**

**Grand Canyon Gas Logs 3435 E. Atlanta Ave. Phoenix, AZ 85040**