EMPIRE COMFORT SYSTEMS
SINCE 1932

INSTALLATION INSTRUCTIONS AND OWNER'S MANUAL

INSTALLER:
Leave this manual with the appliance.

CONSUMER:
Retain this manual for future refer ence.

⚠ WARNING

FIRE OR EXPLOSION HAZARD
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 other appliance.**
- **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 your building.**
  - **Leave the building immediately.**
  - **Immediately call your gas supplier from a neighbor's phone. Follow the gas supplier's instructions.**
  - **If you cannot reach your gas supplier, call the fire department.**
- **Installation and service must be performed by a qualified installer, service agency or the gas supplier.**

General Information: These instructions are intended as a general guide and do not supersede national or local codes in any way. Authorities having jurisdiction should be consulted before installation. Installation and provision for combustion and ventilation air must conform to the *National Fuel Gas Code, ANSI Z223.1, or CAN/CGA-B149.1, Natural Gas Installation Code.*

IMPORTANT! Read these instructions carefully before installing or operating this decorative gas burner. These instructions should be left with the homeowner for future reference.

SINGLE AND DOUBLE VENTED BURNERS
(Requires Decorative Log Set)

FOR INSTALLATION IN SOLID-FUEL BURNING FIREPLACE MODELS:
V(S,D)P(18,24,30,36)N-1
OVDP(18,24,30,36)N-1

CONGRATULATIONS on the purchase of your new DECORATIVE GAS BURNER! Your Decorative Gas Burner is designed and intended for installation in an approved, existing, fully vented, wood-burning fireplace, with a gas hook-up.

⚠ WARNING

This decorative gas burner is to be installed only in a solid-fuel burning fireplace with a working flue constructed of non-combustible material. The vent damper must also have a damper clamp attached to it to keep the damper from accidentally closing during operation.

⚠ WARNING

If not installed, operated and maintained in accordance with the manufacturer's instructions, this product could expose you to substances in fuel or from fuel combustion which can cause death or serious illness.

⚠ WARNING

This decorative gas burner must be installed only in a solid-fuel burning fireplace with a working flue and construction of noncombustible materials. This unit is NOT for use with solid fuel. Solid fuels shall NOT be burned in a fireplace where a decorative appliance is installed.

NOTICE: Contact your dealer for installation, service, repair, or warranty claim
Empire Comfort Systems does not sell, service, or provide warranty directly to consumers. The consumer must contact the dealer where the product was purchased for a warranty claim. If a non-qualified installer or consumer installs or services this product, the product warranty is voided. Most dealers will only service products they sold so it is important for the consumer to choose a qualified dealer for installation and warranty service. In order to maintain the warranty, service must be performed annually and documentation reviewed during the warranty request.

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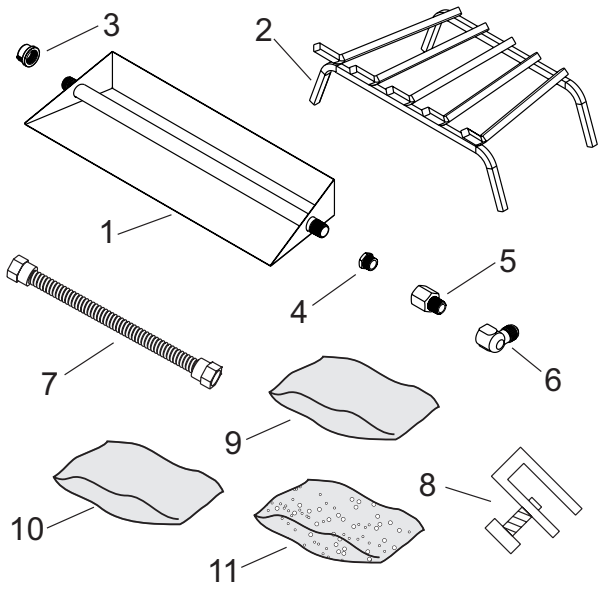
CARTON CONTENTS



Items not shown to scale.

Index Number	Description	Quantity Supplied	
1	Burner	1	
2	Grate	1	
3	Pipe Cap	1	
4	Orifice	1	
5	Orifice Holder	1	
6	90-Degree Elbow	1	
7	Flex Line	1	
8	Damper Clamp	1	
9	Vermiculite	1 (18", 24")	3 (30", 36")
10	Rockwool	1	
11	Lava Rock	1 (18", 24")	2 (30", 36")

IMPORTANT SAFETY INFORMATION

INSTALLER: Please leave these instructions with the owner for future reference.

For Installation In Solid Fuel Burning Fireplaces. Do not burn wood or solid fuels in a fireplace where a decorative gas log set is installed. This decorative gas appliance is for installation only in a solid fuel burning fireplace, masonry fireplace or manufactured fireplace.

⚠ WARNING

Any modification to this decorative gas appliance or to controls can be dangerous. Improper installation or use of the decorative gas appliance can cause serious injury or death from fire, burns, explosion or carbon monoxide poisoning.

1. Please follow all local codes regarding installation, combustion and ventilation air or in the absence of local codes follow the National Fuel Gas Code ANSI Z223.1 (U.S. installation), or CAN/CGA-B149, Installation Code (Canada installation) and with ANSI Z21.84 Manually Lighted Decorative Vented Appliances for Solid Fuel Burning Fireplaces.
2. Proper installation, burner pan location and log placement is important to achieve optimum look and performance of your gas log set. The logs have been designed for easy location and placement on the grate and must be followed for proper operation.
3. Do not operate this decorative gas burner with glass doors in the closed position. A fireplace screen must be in place when the burner is in operation. Adequate combustion air must be provided for proper venting. All flames should go up and out the top of the firebox into the flue vent. If any flames float or curl forward into the room **do not operate the burner.** Check for an open flue and adequate combustion air into the room. A damper clamp must be installed on the firebox damper to maintain an open flue vent condition.
4. Young children must be carefully supervised when they are in the same room as the gas log while in operation. Do not place stockings, clothing or any flammable material above or near the fireplace.
5. Do not substitute or use materials other than those supplied for use with the decorative gas appliance.

DO NOT OPERATE THIS DECORATIVE GAS BURNER WITH GLASS DOORS CLOSED.

- **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 same room as the burner.**
- **Clothing or other flammable material should not be placed on or near the burner.**
- **Do not place trash or other articles on the burner during operation.**

IMPORTANT SAFETY INFORMATION (CONT'D)

- **During manufacturing, fabricating and shipping, various components of this appliance are treated with certain oils, films or bonding agents. These bonding agents are not harmful but may produce annoying smoke and smells as they are burned off during initial operation of the appliance. This is a normal temporary occurrence. A window should be opened during the initial bake out period.**
- **Keep burner and firebox clean.**

⚠ WARNING

- **Before installing in a solid fuel burning fireplace, the chimney flue and firebox must be cleaned of soot, creosote, ashes and loose paint by a qualified chimney cleaner.**
- **Do not allow fans to blow directly into the fireplace. Avoid any drafts that alter burner flame patterns.**
- **Do not use a blower insert, heat exchanger insert or other accessory not approved for use with this burner.**

- **Installation and repair should be done by a QUALIFIED SERVICE PERSON. The burner should be inspected before use and at least annually by a qualified service person. More frequent cleaning may be required due to excessive lint from carpeting, bedding materials, etc.**
- **It is imperative that the burners be kept free of foreign materials.**
- **DO NOT put anything around the fireplace that will obstruct the flow of ventilation air.**
- **DO keep the appliance area clear and free from combustible material, gasoline and other flammable vapors and liquids.**
- **A yearly examination and cleaning of the venting system of the solid-fuel burning fireplace must be performed by a qualified agency.**
- **DO make a periodic visual check of burners. Clean and replace damaged parts.**
- **DO NOT use this burner if any part has been under water. Immediately call a qualified service technician to inspect the burner and to replace any part of the control system and any gas control which has been under water.**

⚠ WARNING

Follow all gas leak check procedures in this manual, prior to operation.

⚠ WARNING

Fuels used in gas or oil-fired appliances, and the products of combustion of such fuels, contain chemicals known to the State of California to cause cancer, birth defects, and/or other reproductive harm. This warning is issued pursuant to California Health & Safety Code Sec. 25249.6.

While this decorative gas burner is not in use, the gas must be turned off at the gas supply.

DO NOT ATTEMPT TO DISCONNECT THE GAS OR ANY GAS FITTING WHILE THE BURNER IS IN OPERATION.

NEVER leave the decorative gas burner unattended while in operation.

NEVER allow children to operate this decorative gas burner.

NEVER place hands or fingers on the front edge of this decorative gas burner.

NEVER use liquid propane gas in a natural gas unit, or natural gas in a liquid propane unit.

DO NOT use solid-fuel or lighter fluid in any decorative gas burner.

Any safety screen or guard removed for servicing an appliance must be replaced prior to operating the appliance.

During manufacturing, fabrication, and shipping, various components of this appliance are treated with certain oils, films, or bonding agents. These chemicals ARE NOT harmful, but may produce annoying smoke and smells, as they are burned off, during the initial operation of the appliance. This may possibly cause headaches, and eye or lung irritation. This is a normal and temporary occurrence. During this period, provide maximum ventilation by opening a window or door, to allow odors to dissipate. Any odor remaining after this initial break-in period, will be slight and will disappear with continued use.

PROPER CLEARANCES FROM COMBUSTIBLE CONSTRUCTION AND MATERIALS MUST BE MAINTAINED FROM ALL SIDES, TOP, AND BOTTOM OF THIS APPLIANCE.

THIS APPLIANCE SHOULD NEVER BE PLACED NEAR ANY COMBUSTIBLE SURFACE.

THIS APPLIANCE SHOULD NEVER BE PLACED UNDER ANY COMBUSTIBLE CONSTRUCTION OR MATERIALS.

NEVER PLACE ANY COMBUSTIBLE MATERIAL WITHIN TWENTY-FOUR INCHES (24")FROM THE FRONT OF THE FIREPLACE ENCLOSURE.

⚠ WARNING

The Commonwealth of Massachusetts requires that the chimney flue damper, when used with decorative gas log sets, be welded open or completely removed. In the Commonwealth of Massachusetts, this appliance must be installed by a licensed plumber or gasfitter.

⚠ WARNING

Improper installation, adjustment, alteration, service or maintenance, can cause property damage, personal injury or loss of life. Refer to the owner's information manual, provided with this decorative gas burner. Installation and service must be performed by a qualified installer, service agency or the gas supplier.

GENERAL INFORMATION

Qualified Installing Agency

Installation and replacement of gas piping, gas utilization equipment or accessories and repair and servicing of equipment shall be performed only by a qualified agency. The term "qualified agency" means any individual, firm, corporation or company which either in person or through a representative is engaged in and is responsible for (a) the installation or replacement of gas piping or (b) the connection, installation, repair or servicing of equipment, who is experienced in such work, familiar with all precautions required and has complied with all the requirements of the authority having jurisdiction.

Commonwealth of Massachusetts: The installation must be made by a licensed plumber or gas fitter in the Commonwealth of Massachusetts.

The installation and the provisions for combustion and ventilation air must conform with the *National Fuel Gas Code, ANSI Z223.1*/ NFPA54* Canadian Installation Code *CAN/CGA B149.*

**Available from the American National Standards Institute, Inc. 11 West 42nd St., New York, N.Y. 10018.*

FIREPLACE PREPARATION

- Turn off gas supply to fireplace or firebox.
- Have the fireplace floor and chimney professionally cleaned to remove ashes, soot, creosote or other obstructions. Have this cleaning performed annually after installation.
- Seal any fresh air vents or ash clean-out doors located on floor or wall of fireplace. If not, drafting may cause pilot outage or sooting. Use a heat-resistant sealant. Do not seal chimney flue damper.

Installing Damper Clamp - See Figure 1.

Remove all ashes or other debris from the fireplace. If the fireplace is equipped with an ash dump be sure to seal the door with furnace cement or high temperature silicone. Be sure to check the damper for proper operation and verify that the flue passageway is open. Attach damper clamp to the vent damper and tighten hold down bolt.

Place the clamp over the lip of the damper and tighten the hold down bolt until the clamp is securely attached to the damper. This will prevent the damper from accidentally closing.

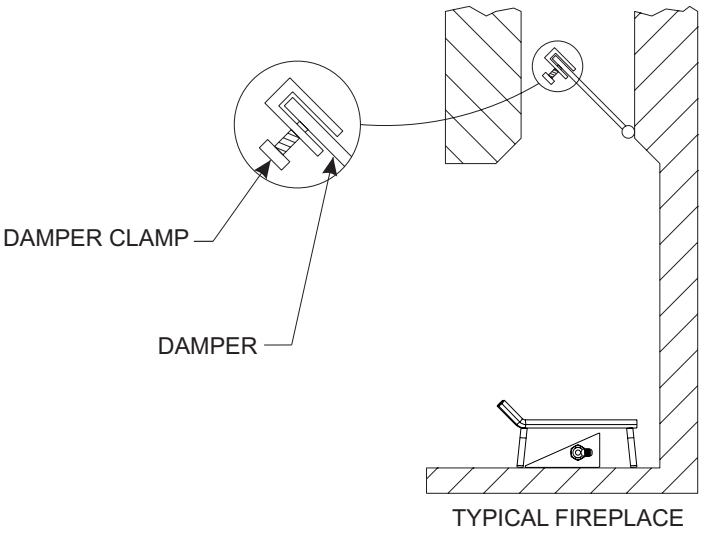


Figure 1

BEFORE FULLY INSTALLING THE APPLIANCE

Special care is required if you are installing the unit into a sunken fireplace. You must raise the fireplace floor to allow adequate air flow and guard against sooting. Raise the fireplace floor using noncombustible materials.

Assembly Procedure:

1. Center the decorative gas burner in the fireplace or firebox. Make certain the front feet of the grate sit inside the front edge of the fireplace or firebox.
2. Set the burner such that the tube sits in center of the grate, front to back. **See Figure 2.**
3. If desired, holes can be drilled into the front edge of the burner pan to secure the pan to the floor of the fireplace or firebox. DO NOT drill holes into the burner tube or the sides of the burner pan.

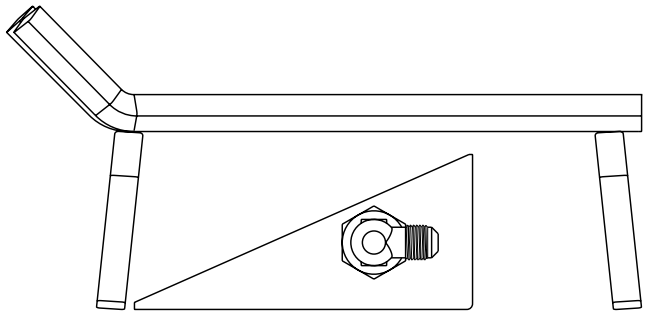


Figure 2

INTRODUCTION

Introduction

Always consult your local Building Department regarding regulations, codes or ordinances which apply to the installation of a vented decorative gas burner in a solid-fuel burning fireplace. This decorative gas burner is only for use with natural gas.

Instructions to Installer:

1. Installer must leave instruction manual with owner after installation.
2. Installer must have owner fill out and mail warranty card supplied with the fireplace.
3. Installer should show owner how to start and operate the fireplace.

⚠ WARNING

ANY CHANGE TO THIS APPLIANCE OR ITS CONTROLS CAN BE DANGEROUS. Improper installation or use of the appliance can cause serious injury or death from fire, burns, explosion or carbon monoxide poisoning.

General Information

Any alteration of the original design, installed other than as shown in these instructions or use with incorrect gas type is the responsibility of the person and company making the change.

Important

All correspondence should refer to complete Model No., and type of gas.

NOTICE: During initial use of the ceramic logs and branches you will detect an odor as the ceramic logs and branches are cured.

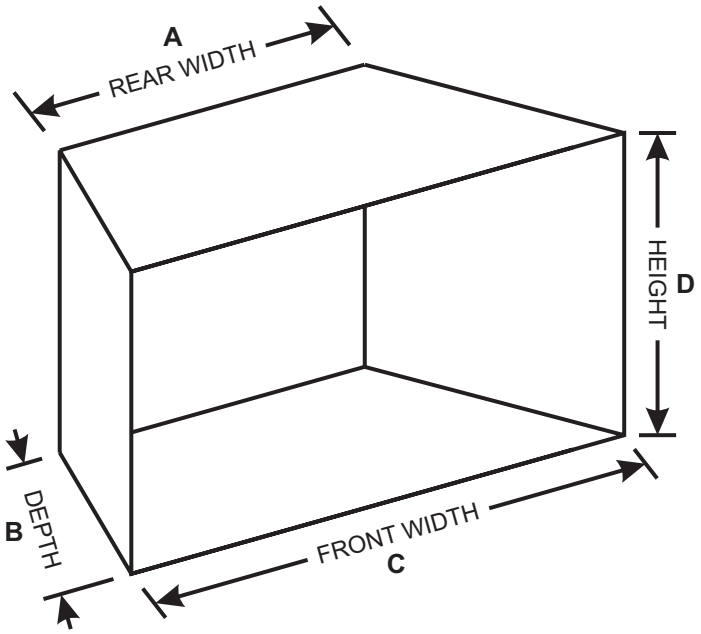
PRODUCT SPECIFICATIONS

NATURAL GAS		
Gas Inlet Pressure	Max.	7.0”
	Min.	3.5”

MODEL	GAS TYPE	ORIFICE SIZE	BTUH MAX. RATE
V(S,D)P18N	Natural	#28	80,000
OVDP18N	Natural	#28	80,000
V(S,D)P24N	Natural	#25	91,000
OVDP24N	Natural	#25	91,000
V(S,D)P30N	Natural	#20	105,000
OVDP30N	Natural	#20	105,000
V(S,D)P36N	Natural	#6	150,000
OVDP36N	Natural	#6	150,000

Propane conversion kits are not offered for this product.

LOG SETS AVAILABLE			
Burner	Log Sets		
V(S,D)P18	Treehouse (LTH718)	Great Lakes Oak (LGLO18)	—
OVDP18	Treehouse (LTH718)	Great Lakes Oak (LGLO18)	—
V(S,D)P24	Treehouse (LTH724)	Great Lakes Oak (LGLO24)	Oak Tinder (LOT24)
OVDP24	Treehouse (LTH724)	Great Lakes Oak (LGLO24)	Oak Tinder (LOT24)
V(S,D)P30	Treehouse (LTH730)	Great Lakes Oak (LGLO30)	Oak Tinder (LOT30)
OVDP30	Treehouse (LTH730)	Great Lakes Oak (LGLO30)	Oak Tinder (LOT30)
V(S,D)P36	Oak Tinder (LOT36)	—	—
OVDP36	Oak Tinder (LOT36)	—	—



MINIMUM FIREPLACE DIMENSIONS MASONRY BUILT FIREPLACES Chimney Height Minimum of 10 Feet				
Log Set Size	Rear Width A	Depth B	Front Width C	Height D
18	22	14	26	24
24	26	16	30	24
30	30	18	36	28
36	34	18	42	28

The fireplace minimum front width above allows for centering the log set.

NOTICE: Natural Gas match throw sets may be used in some areas. Check your local codes for this configuration.

GAS SUPPLY

Check all local codes for requirements, especially for the size and type of gas supply line required.

RECOMMENDED GAS PIPE DIAMETER				
Pipe Length	Schedule 40 Pipe Inside Diameter		Tubing, Type L Outside Diameter	
	Natural	Propane	Natural	Propane
0-10 feet 0-3 meters	1/2” 12.7mm	3/8” 9.5mm	1/2” 12.7mm	3/8” 9.5mm
10-40 feet 4-12 meters	1/2” 12.7mm	1/2” 12.7mm	5/8” 15.9mm	1/2” 12.7mm
40-100 feet 13-30 meters	1/2” 12.7mm	1/2” 12.7mm	3/4” 19mm	1/2” 12.7mm
100-150 feet 31-46 meters	3/4” 19mm	1/2” 12.7mm	7/8” 22.2mm	3/4” 19mm

NOTICE: Never use plastic pipe. Check to confirm whether your local codes allow copper tubing or galvanized.

NOTICE: Since some municipalities have additional local codes, it is always best to consult your local authority and installation code.

Installing a New Main Gas Shut-Off

Each appliance should have its own manual gas shut-off.

In the Commonwealth of Massachusetts the gas shut-off must be a T handle type.

A manual main gas shut-off should be located in the vicinity of the unit. Where none exists, or where its size or location is not adequate, contact your local authorized installer for installation or relocation.

Compounds used on threaded joints of gas piping shall be resistant to the action of liquefied petroleum gases. The gas lines must be checked for leaks by the installer. This should be done with a soap solution watching for bubbles on all exposed connections, and if unexposed, a pressure test should be made.

Never use an exposed flame to check for leaks. Appliance must be disconnected from piping at inlet of control valve and pipe capped or plugged for pressure test. Never pressure test with appliance connected; control valve will sustain damage!

A gas valve and ground joint union should be installed in the gas line upstream of the gas control to aid in servicing. It is required by the National Fuel Gas Code that a drip line be installed near the gas inlet. This should consist of a vertical length of pipe tee connected into the gas line that is capped on the bottom in which condensation and foreign particles may collect.

The use of the following gas connectors is recommended:

— ANSI Z21.24 Appliance Connectors of Corrugated Metal Tubing and Fittings

— ANSI Z21.45 Assembled Flexible Appliance Connectors of Other Than All-Metal Construction

The above connectors may be used if acceptable by the authority having jurisdiction. The Commonwealth of Massachusetts requires that a flexible appliance connector cannot exceed three feet in length.

FLEXIBLE GAS LINE CONNECTION

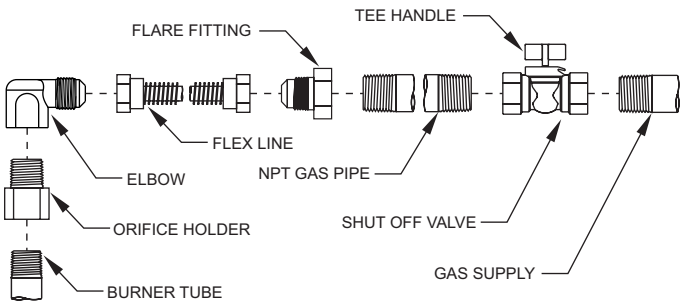


Figure 3

Pressure Testing of The Gas Supply System

To check the inlet pressure to the burner, a 1/8" (3.175mm) N.P.T. plugged tapping, accessible for test gauge connection, must be placed immediately upstream of the gas supply connection to the appliance.

INSTALLATION

LOCATING THE UNIT

This burner must be installed only in a solid-fuel burning fireplace, which contains a working flue, and is constructed of non-combustible materials.

IMPORTANT

Before installing this burner, have the fireplace and chimney professionally cleaned to remove any ashes, soot, creosote, or other obstructions. Perform this cleaning annually after installation.

IMPORTANT

Seal any fresh air vents or ash clean-out doors located on the floor or wall of the fireplace. If this is not performed, drafting may cause pilot outage or sooting. Use a heat-resistant sealant. DO NOT seal the chimney flue damper.

⚠ WARNING

Gas supply system must be installed in accordance with the U.S. National Fuel Gas Code.
This appliance and its individual shut-off valve must be disconnected from the gas supply piping system during any system pressure test in excess of 1/2 PSI (3.5 KPA).
Use a system manual shut-off valve to shut off the gas supply to this gas burner before continuing with installation procedures.

⚠ WARNING

WHEN INSTALLING THE BURNER, DO NOT OBSTRUCT THE FLOW OF COMBUSTION AND VENTILATION AIR.

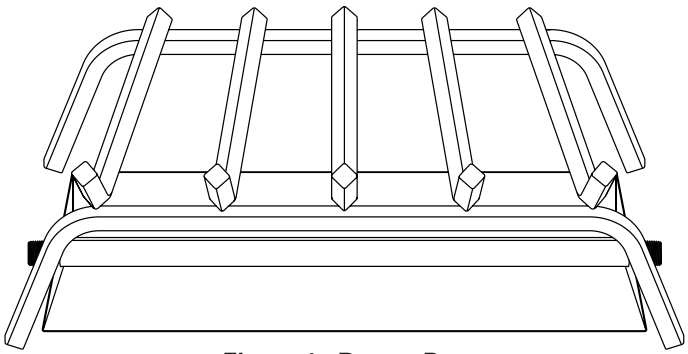


Figure 4 - Burner Pan

SET UP AND ASSEMBLY

IMPORTANT

BEFORE YOU BEGIN - Audit the gas pressure at the fireplace stub to insure proper minimum gas pressure (see the specifications beginning on page 7 of this manual).

IMPORTANT

BEFORE YOU BEGIN - Insure that the firebox meets the minimum specifications of the appliance (see the specifications beginning on page 7 of this manual).

IMPORTANT

This burner when first installed may produce unpleasant odors; these will gradually diminish.

IMPORTANT

Decorative Gas Burners are shipped with the appropriate gas connections for Natural Gas. If you have purchased an inappropriate unit for your application, contact your retailer, installer or the Customer Service Center.

TOOLS NEEDED:

- (2) Adjustable Wrench (which has a range of 1")
- (2) Adjustable Pipe Wrenches
- (1) 3/8" Nut Driver or Socket (for damper clamp)
- (1) 1/2" Nut Driver or Socket (for orifice)

BEGINNING INSTALLATION:

1. Remove all contents from the burner shipping container.
2. Check the contents of the shipping container against the shipping and packing list or the parts list in this manual. Report any missing or damaged parts to your retailer.
3. Remove any and all protective wrapping from the appliance.
4. **TURN OFF THE GAS SUPPLY SYSTEM.**
5. Place the fireplace damper in the fully open position and install the damper clamp over the lip of the damper **(the damper must be in a fully open position any time that this burner is in operation)**. Using a 3/8" nut driver or socket and turning in a clockwise direction, tighten the damper clamp bolt until the clamp is secure. The damper clamp must be in place to maintain the minimum permanent vent opening. See the chart “Minimum Fireplace Dimensions” on page 7 for correct venting.
   NOTICE: The Commonwealth of Massachusetts requires that the chimney flue damper, when used with decorative gas log sets, be welded open or completely removed.
6. Using two adjustable pipe wrenches (one wrench on the gas stub, and one wrench on the fitting), remove the existing cap or gas jet assembly from the gas stub in the fireplace by turning the wrench on the gas cap in a counterclockwise direction.
7. Clean the pipe threads on the gas stub using either a wire brush or steel wool. Apply Teflon tape or pipe dope to the steel fittings before making any connection.

INSTALLATION (CONT'D)

INSTALLING THE DECORATIVE GAS BURNER INTO A FIREPLACE:

1. Verify that the orifice is tightly fitted into the orifice holder.
2. Attach the orifice holder to the burner tube.
3. Attach the elbow to the orifice holder. The elbow should be parallel to the floor of the fireplace.
4. Tighten the end cap onto the opposite end of the burner tube to close off the tube.
5. Place the burner pan into the fireplace. The unit should be centered from both side to side and front to back in the fireplace.
6. Bend the included flex line to facilitate the gas connection between the burner and the gas stub.

⚠ CAUTION
Gas lines are easily kinked if bent too sharply.

7. Attach one end of the flex line to the gas stub and one end to the elbow on the burner.

⚠ CAUTION
DO NOT overtighten gas fittings.

STOP! IT IS OUR RECOMMENDATION TO LIGHT THE BURNER AND TEST THE IGNITION BEFORE ATTEMPTING TO SET UP THE LOGS.

8. **CHECK FOR LEAKS!** Apply soapy water to each connection and watch for bubbles. If bubbles are seen, turn off the gas supply, retighten the connection and **CHECK AGAIN**. **DO NOT** use a lighted match or other source of ignition to check for leaks. Repeat this procedure until you are sure that there are no leaks. Proceed to “FINAL SET UP” on page 11.

FINAL SET UP

⚠ WARNING

Failure to position the parts in accordance with all included pictures, diagrams and drawings, or failure to use only parts specifically approved with this burner may result in property damage or personal injury.

1. Pour the provided vermiculite over the entire burner, filling the burner pan. The vermiculite should follow the slope of the burner pan, covering the burner completely. **See Figure 5.**

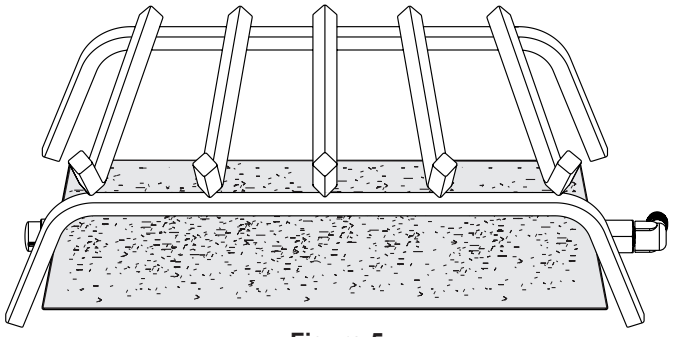


Figure 5

2. Spread the Glowing Embers and Rockwool Mix over the entire burner. **See Figure 6.**

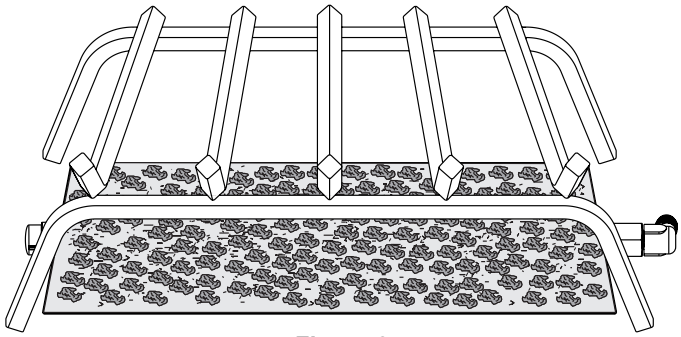


Figure 6

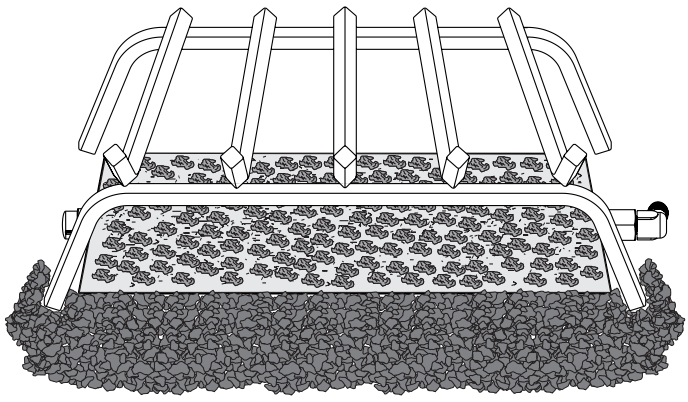


Figure 7

⚠ WARNING

Apply loose material (embers and lava rock [cinders]) per instruction manual. DO NOT apply extra material not supplied with this burner. All previously applied loose material (embers) must be removed prior to reapplication.

STOP!

Refer to the log set up instructions packaged with your Decorative Gas Logs.

3. Remove all contents from the Decorative Gas Log shipping container.
4. Check the contents of the shipping container against the shipping and packing list or the parts list in this manual. Report any missing or damaged parts to your retailer.
5. Remove any and all protective wrapping from the gas logs.
6. Arrange the decorative gas logs on the grate according to the instructions.
7. Place the Lava Rock around the Grate/Burner Assembly. **See Figure 7.**
8. When you have completed setting up the logs, proceed to the operation section.

MAIN BURNER FLAME CHARACTERISTICS

Main Burner Flame Pattern
The main burner flame will be completely yellow.

Main Burner Flame Ignition and Extinction
When the main burner is ignited it will take a few seconds for the full flame pattern to develop.

When the main burner is extinguished it will take a few seconds for the flames to disappear. It is normal to have the flames burn down near the rock wool, as the remaining gas is burned.

CLEANING AND SERVICING

Keep the logs and burner area surrounding the logs clean.

THE LOGS CAN GET VERY HOT— HANDLE ONLY WHEN COOL.

Always keep the appliance area clear and free from combustible materials, gasoline, and other flammable vapors and liquids.

Never obstruct the flow of combustion and ventilation air. Keep the front of the appliance clear of all obstacles and materials.

Inspecting Venting System

A vented fireplace venting system is designed and constructed to develop a positive flow adequate to remove flue gases to the outside atmosphere.

Any foreign objects in the venting system, may cause spillage of the flue gases into the room.

Periodic examination and/or cleaning of the venting system of the solid-fuel burning fireplace must be done by a qualified service person. Visually inspect the damper and flue area for excessive soot build-up. This soot (carbon) may be removed by brushing with a soft bristle brush.

OPERATION

⚠ WARNING

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

Follow these instructions exactly when lighting the appliance:

1. BEFORE LIGHTING, smell around the appliance area for gas.

   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 your building.
   - Immediately call your gas supplier from a neighbor's phone. Follow the gas supplier's instructions.
   - If you cannot reach your gas supplier, call the fire department.
2. Lay a lighted match (using a match holder) or lighted long-necked butane lighter on the burner pan surface, near the front.
3. Turn the remotely mounted valve to the ON position.
4. Your burner should light. When the burner is ignited, it will take a few seconds for the full flame pattern to develop.
5. If the burner does not light immediately, turn the gas valve to the OFF position.
6. Wait approximately five (5) minutes to clear out any gas, and repeat steps 1-5 above.
7. If your burner fails to light again, turn the valve to the OFF position and contact your dealer.

TO EXTINGUISH YOUR APPLIANCE:

1. Turn the gas valve knob to the OFF position. When the burner is extinguished, it will take a few seconds for the flames to disappear. It is normal for the flames to smolder in the rock wool as the remaining gas is burned.
2. Be sure the valve is turned fully off to avoid any gas leakage.

⚠ WARNING

Use only your hand to rotate the gas control knob. Never use tools. If the knob will not turn by hand, do not try to repair it; call a qualified service technician or installer. Force or attempted repair may result in a fire or explosion.

⚠ WARNING

All gas burning appliances produce smoke and carbon monoxide gas during operation. These fumes can be harmful if the appliance is used in any other than a fully vented fireplace.

⚠ WARNING

A fireplace screen must be in place when this appliance is in operation. Unless other provisions for combustion air are provided, the screen shall have an opening(s) for introduction of combustion air.

⚠ WARNING

When this decorative gas burner is used in a fireplace equipped with a combustion air kit and glass doors, the glass doors should remain open during burner operation. This will maximize the radiant heat provided to the surrounding area, and minimize overheating of any valve installation. The glass doors may be closed when the decorative gas burner is not in use.

MAINTENANCE & SERVICE

The Decorative Gas Log Set should be thoroughly inspected on a regular basis at least once a year by a qualified installer.
At the beginning of each season, the system should be checked as follows:

1. Check the chimney flue or vent pipe to make sure that the flue is drawing properly, and that any vent pipe connections are tight.
2. Check to see that there are no blockages at the chimney or vent termination.
3. Inspect the burners (if applicable).

The burner system has been adjusted for proper operation at the factory.

NEVER enlarge orifices or burner ports.

SOOTING
Some sooting of your log set is normal, adding to the appearance of burned wood.

If Excessive Sooting Accumulates:
Remove soot using a vacuum or a stiff brush when logs are cold. Do not use water or soot cleaners at the same time as a brush.

TROUBLESHOOTING

PROBLEM OBSERVED	POSSIBLE CAUSE	CORRECTIVE MEASURE
Gas odor during setup	Gas Leak	See “What to do if you smell gas” Pages 4 - 5. Check all gas connections
Gas odor before first ignition	Gas Leak	See “What to do if you smell gas” Pages 4 - 5. Check all gas connections
Delayed ignition	Low gas pressure	Check gas supply pressure
	Clogged or dirty burner ports	Clean burner ports
	Blocked orifice	Check orifice opening
Incorrect burner flame	Incorrect gas supply or pressure	Check gas supply pressure
	Blocked orifice	Check orifice opening
	Clogged or dirty burner ports	Clean burner ports
Backfire of burner	Blocked orifice	Check orifice opening
	Clogged or dirty burner ports	Clean burner ports
	Low gas pressure	Check gas supply pressure
Appliance produces unwanted odors	Vapors from paint, hair spray, glues, etc.	Ventilate room
	Initial burn-off of manufacturing chemicals	Ventilate room
Logs appear to smoke	Vapors from manufacturing chemicals	Ventilate room
	Logs curing	See “Curing of Refractory Logs”
Whistle noise from appliance	Air in gas line	Bleed lines
	Spiral gas flex line	Replace gas feed line
	Too much volume of gas	Increase diameter of the flex line

FIREPLACE SERVICE HISTORY

Date	Dealer Name	Service Technician Name	Service Performed/Notes

WARRANTY

Empire Comfort Systems Inc. warranties this hearth product to be free from defects at the time of purchase and for the periods specified below. Hearth products must be installed by a qualified technician and must be maintained and operated safely, in accordance with the instructions in the owner's manual. This warranty applies to the original purchaser only and is not transferable. All warranty repairs must be accomplished by a qualified gas appliance technician.

Limited Five-Year Parts Warranty – Burners, Grates

Should any part fail because of defective workmanship or material within five years from the date of purchase, Empire will repair or replace at Empire's option.

Duties of the Owner

The appliance must be installed by a qualified installer and operated in accordance with the instructions furnished with the appliance. A bill of sale, cancelled check, or payment record should be kept to verify purchase date and establish warranty period. Ready access to the appliance for service.

What Is Not Covered

Damages that might result from the use, misuse, or improper installation of this appliance.
Travel, diagnostic costs and freight charges on warranted parts to and from the factory.
Claims that do not involve defective workmanship or materials.
Unauthorized service or parts replacements.
Removal and reinstallation cost.
Inoperable due to improper or lack of maintenance.

How To Get Service

To make a claim under this warranty, please have your receipt available and contact your installing dealer. Provide the dealer with the model number, serial number, type of gas, and purchase verification. The installing dealer is responsible for providing service and will contact the factory to initiate any warranted parts replacements. Empire will make replacement parts available at the factory. Shipping expenses are not covered.

If, after contacting your Empire dealer, service received has not been satisfactory, contact: Consumer Relations Department, Empire Comfort Systems Inc., PO Box 529, Belleville, Illinois 62222, or send an e-mail to info@empirecomfort.com with "Consumer Relations" in the subject line.

Your Rights Under State Law

This warranty gives you specific legal rights, and you may also have other rights, which vary from state to state.

Empire Comfort Systems Inc.
Belleville, IL

If you have a general question about our products, please e-mail us at info@empirecomfort.com.

If you have a service or repair question, please contact your dealer.

www.empirecomfort.com