

# HOMEFIRES

## OWNERS MANUAL

### Installation & Operating Instructions

*For REAL FLAME® Gas Coal And Gas Log Fires Using Natural Gas and Manual Ignition*

# REAL FLAME

**PLEASE READ** these instructions carefully before you begin to install this gas coal/log set.

**NOTE:** Installer should leave these instructions with the customer for future reference.

This fireplace gas coal/log set is for use with **NATURAL GAS ONLY**.

Installation and all repairs must be performed by an individual who is experienced in the installation, repair, and servicing of vented gas coal/log sets.

## W A R N I N G

**FOR INSTALLATION IN A VENTED FIREPLACE ONLY.  
THE FIREPLACE CHIMNEY MUST HAVE A PERMANENT VENT OPENING TO ATMOSPHERE.**

KEEP DAMPER WIDE OPEN WHEN IN USE.

Do not burn wood or other material in any fireplace fitted with a gas coal/log set.  
A fireguard should be used with this appliance for the protection of children and the elderly.

## F O R Y O U R S A F E T Y

**DO NOT STORE OR USE GASOLINE OR OTHER FLAMMABLE LIQUIDS  
IN THE VICINITY OF THIS OR ANY OTHER APPLIANCE.**

Young children are not allowed to operate this unit, and should be supervised  
when they are in the same room with the appliance.

Do not use this appliance or any part that has been under water.

## F O R Y O U R S A F E T Y

### WHAT TO DO IF YOU SMELL GAS:

- Open Windows
- 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.

## GENERAL INFORMATION

1. This gas coal/log set is only to be installed and used in a fully vented fireplace with a completely functional damper and chimney that is free of any obstructions. The fireplace must be constructed of non-combustible materials and approved to burn wood.
2. To operate this gas coal/log set, the flue damper **must be fully opened and locked**.
3. To be installed in a fireplace with a minimum height of 20", a minimum depth of 12" and a minimum width of 6" greater than the maximum width of the firegrate being installed. The flue size and height must be related to the size of the fireplace opening. For example, a big fireplace needs a tall wide flue. This gas coal/log set will normally require a chimney flue of at least 8 inches in diameter to clear its fumes. If in doubt consult your supplier. Do not use if fumes from the burner emerge into the room when the damper is fully open. This indicates that there is not adequate draft. Do not use until the problem is corrected.
4. If the fireplace has glass doors, operate the set with the doors fully opened. A fireplace screen, with an opening for introduction of combustion air, should be used when operating this appliance.
5. The nominal inlet gas pressure for this appliance is 7" water column for natural gas.
6. This gas appliance and its individual shutoff valve must be disconnected from the gas supply piping system during any pressure testing at pressures in excess of 1/2 PSIG.
7. The 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.
8. Do not move or jostle the grate once it has been connected to the gas line.

9. The National Health and Safety Board recommend 1CO (carbon monoxide) detector for each floor.
10. The installation of the appliance and the provisions for combustion and ventilation air must conform with NFPA 54 unless otherwise noted in local building and safety codes.
11. The minimum permanent free fireplace opening required is 70 square inches.

## FIREPLACE PREPARATION

- A. Remove all ash and debris from the inside of the fireplace.
- B. Prior to connecting the gas coal/log set, make sure the gas supply is completely shut off.
- C. Prior to installation, a smoke test should be performed using a smoke pellet. The pellet is ignited at the base of the flue in the fireplace opening. All the smoke created must be emitted at the termination of the flue without spillage from the fireplace opening or without leakage from the flue in other parts of the building. If spillage is taking place then either:
  - **the flue is partially blocked**
  - **the fireplace opening is too great for the height of the flue**
  - **the flue diameter is too narrow for the size of the fireplace opening**

### Installation to existing gas line in fireplace

A manual on-off valve should be present within easy reach of the gas coal/log set. If a manual valve is not present, one must be installed prior to the installation of the appliance.

### Prefabricated fireplace

Refer to the manufacturer's fireplace instruction manual for specific information regarding the running of a gas line into that particular model.

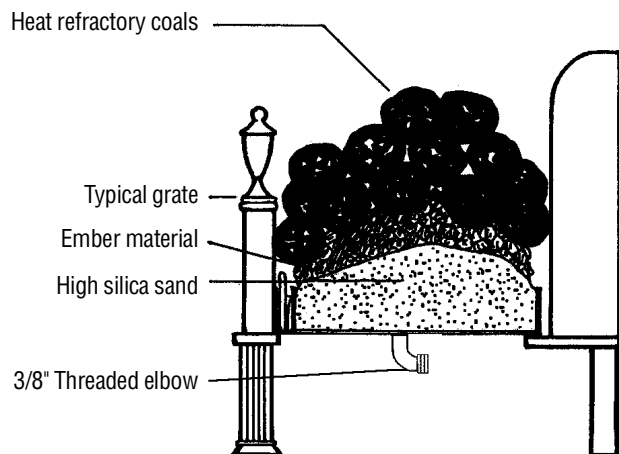
A typical prefab installation involves the insertion of a 1/2 inch gas pipe through the gas line tube provided by each manufacturer from outside the fireplace. The knockout on the inside of the fireplace is removed as the gas pipe is punched through the fireplace.

An on-off valve should be placed within easy reach of the fireplace either inside the fireplace or in the floor or wall. Repack any insulation from the gas line tube.

## INSTALLATION INSTRUCTIONS

### Firegrate & Burner Pan Placement

- A.** The firegrate should sit in the center back of the fireplace.
- B.** The burner sits in the bottom of the firegrate. The inlet should come directly out of the bottom of the firegrate without any interference. It should be centered in the grate and fit tightly on all sides.



### Connecting gas supply to Burner Pan

The 3/8" gas tubing will enter from the back of the fireplace and should be fitted inconspicuously at the back of the hearth. It should then be run up and connected to the 3/8" threaded elbow at the bottom of the burner, using the 3/8" flare union supplied. The short 3/8" flare nut adapter provided is for the gas tubing which is flared for a gas tight fit.

Visible gas tubing should be painted black.

### Sand, Ember, and Coal Placement

- A.** Fill the burner to the top edge with the high silica sand supplied. Overfill rather than underfill. Light a match and place it on the sand bed; turn on the gas. An even distribution of flame should be seen. If not, turn off the gas and adjust the depth of the sand bed; less sand for more flame and more sand for less flame.
- B.** Lay the black ember material supplied along the front edge of the fire. This gives the flickering effect. Break the brown ember material into smaller pieces and place it evenly over the rest of the sand bed, particularly piling toward the center.
- C.** If you have a log fire, place the logs in any pleasing arrangement, but stack them loosely with air spaces between the logs. For a coal fire, stack the coals as loosely as possible.

### Spillage Test:

Test for spillage of fumes into the room with a smoke match\*. The smoke match should be moved slowly along the top of the fireplace opening just inside the fireplace. If the smoke is drawn into the fireplace then draft is correct. If smoke can be seen coming into the room the fireplace is spilling. Disconnect the appliance and correct the flue system.

(See enclosed spillage test diagram).

\*Smoke matches and pellets are also available from HomeFires.

### Warning:

*Improper installation may cause Carbon Monoxide Poisoning. Carbon Monoxide, which is an odorless and colorless gas, is a by-product of combustion. Caution must be taken to insure the fireplace is properly vented when set is in use. To avoid having potentially dangerous fumes enter the living area, be sure the chimney is drawing properly.*

## OPERATING INSTRUCTIONS

### Lighting your gas coal/log set (Manual Valve only)

- A.** Open chimney flue damper to the full open position and lock it.
- B.** Be sure gas supply is shut off.
- C.** Light and lay match on top of grate base with flame resting on top of embers. (usually better to light 2 matches)
- D.** Step over to the floor key and turn the key all the way to the full open position.
- E.** Fire will light smoothly. Adjust the flame height with the gas tap so that the flames are just above the coals or logs. If the fire fails to light in 5 seconds, turn off the gas, wait 5 minutes and try again. If it still fails after several attempts, call your supplier.
- F.** To turn off the fire simply turn the gas tap to the off position.

**Do not hold match in hand while gas supply is on.**

**Never turn on the gas tap before flame has been introduced to the fire.**

## MAINTENANCE

Very little if any maintenance is required. The carbon deposits resulting from use is natural and adds to the realistic appearance of the set. If carbon becomes excessive it can be lightly brushed away.

It is most important that you have your fire serviced once a year. This is to insure that combustion remains correct and that your flue remains clear and unobstructed so that no dangerous fumes can spill into your room.

## GUARANTEE/WARRANTY

*These logs and coals are guaranteed against breakage in normal use for their replacement for a period of two years from the date of purchase. All other components are guaranteed against defects in material and workmanship for a period of one year from date of purchase. Claims under this guarantee should be accompanied by the original purchase invoice. This warranty does not apply in the case of improper installation, neglect, accident, misuse or as a result of modifications of the original product. All costs for removal and reinstallation are the expressed responsibility of the purchaser. Failure to follow all instructions in the Owner's Manual will also void this warranty*

*Real Flame® and S.C.S. Incorporated will not be liable for incidental or consequential damages.*

*If this item fails due to defect in material or craftsmanship, we will replace or repair, at our option, free of charge. To order parts or obtain warranty service, call or write:*

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