

BLUE FLAME™

Log Lighter Instructions for Natural and Propane Gas INSTRUCTIONS

-  Use a Natural Gas Log Lighter with Natural Gas only.
Use a Propane Gas Log Lighter with Propane Gas only.

MODEL NUMBERS: (LLS, LLA, LLT)-Natural and Propane

INSTALLER: Leave these instructions with the consumer.

CONSUMER: Retain these instructions for future reference.

WARNING

MAKE SURE THE CHIMNEY FLUE IS OPEN BEFORE ATTEMPTING TO OPERATE THIS DEVICE.

Use of this device with the fireplace damper closed, or for other than its intended purpose may result in fire, explosion or carbon monoxide poisoning and possible injury, property damage or loss of life.

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 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.
- Immediately call your gas supplier from a neighbor's phone. Follow the gas supplier 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.

WARNING

- Do not restrict airflow into fireplace using the log lighter.
- Make sure the chimney flue is open before attempting to operate this device.
- Make sure that glass doors are open while using the log lighter and spark screen is closed.
- Failure to observe these warnings may result in possible injury.

Specifications: Input Rating:

20,000 Btu/hr (Model# LL(S,A)-1220NG)

26,000 Btu/hr (Model# LL(S,A)-1626NG)

40,000 Btu/hr (Model# LL(S,A)-2440NG)

51,000 Btu/hr (Model# LL(S,A)-3051NG)

59,000 Btu/hr (Model# LL(S,A)-3659NG)

68,000 Btu/hr (Model# LL(S,A)-4268NG)

31,000 Btu/hr (2)(Model# LLT-7.531-NG)

Normal Inlet Pressure: 7" W.C. (1.74 kPa)

Max. Inlet Pressure: 10.5" W.C. (2.61 kPa)

Minimum Inlet Pressure: 3.5" W.C. (0.87 kPa)

Installation: Install & use this device with care. Follow all local codes or, in the absence of local codes, to the National Fuel Gas Code, ANSI Z 223.1/NFPA 54.

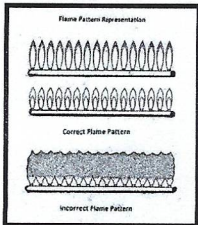
Gas Line Installation:

- Gas Controls shall not be installed inside the fireplace.
- Gas controls must be properly located and shielded to prevent overheating due to exposure to the wood fire.
- Piping which exists the fireplace will conduct heat. Adequate clearances must be maintained from piping to combustible construction to avoid a fire hazard. It is required that a minimum 1/2" clearance to combustibles be maintained within 6" of where the gas line passes through any side of the fireplace. Pipe sealant must be used on all joints.

Log Lighter Installation: Log lighter should be installed under the front of the grate in such a manner to minimize flame impingement, the amount of heat exposure and that logs placed on the grate will not rest directly on the log lighter tube. Also, the floor clearance should be sufficient to minimize the chance of the blockage of the burner ports by ash accumulation.

The following steps should be performed when installing your log lighter:

1. The fireplace should be free of all debris.
2. A listed Blue Flame gas valve must be installed up steam of the log lighter.



3. Run gas pipe to the log lighter. Lighter must be secured in a rigid manner. Example: Use 1/2" rigid pipe for gas inlet and to the log lighter (inlet 1/2" NPT). Use pipe fittings to support the opposite plugged end of the Log Lighter (3/8" male NPT) in contact with the floor or side of the fireplace. Do not use copper or flexible connectors inside the firebox. Locate log lighter as indicated above and maintain proper clearances.

4. The log lighter should be located such that the burner ports are facing inwards at 30-45 degrees, with the air shutter facing out towards the front. Adjust the air shutter to give sharp blue flames with yellow tips.

5. The log lighter and its individual shutoff valve must be disconnected from the gas supply piping system during any pressure testing of that system at test pressures in excess of 1/2 psi (3.5 kPa). The log lighter must be isolated from the gas supply piping system by closing its individual manual shutoff valve during any pressure testing the gas supply piping system at test pressures equal to or less than 1/2 psi (3.5 kPa).

Lighting Instructions:

1. MAKE SURE CHIMNEY FLUE IS OPEN BEFORE ATTEMPTING TO OPERATE THIS DEVICE.
2. Fireplace should be clean of all debris, as this could contain hot coals which could cause ignition if not removed or disposed properly. Ashes should be placed in a metal container with a tight fitting lid. The closed container should not be placed on a combustible floor, and kept away from other combustible materials until the ashes have cooled or have been removed from the container. Before disposing of ashes, ensure that all cinders have cooled thoroughly.
3. Make sure the log lighter gas valve is in the OFF position.
4. Stack logs on the fireplace grate allowing an air space between logs for a quick lighting.
5. Make sure that shutter on mixing chamber is open to ensure that air and gas is being mixed, flame should be blue.
6. If the fireplace is equipped with glass doors, the doors shall be opened for at least 5 minutes before attempting to light the device. In case of burner outage, the gas supply shall be turned off and the doors left open for at least 5 minutes before attempting to relight the device.
7. Light the burner by placing a long lit match next to the Log Lighter burner pipe holes.
8. Turn the gas valve ON gradually until burner ignition occurs.
9. If burner does not light within 5 seconds, turn gas valve OFF and wait 5 minutes before trying to relight.
10. When Log lighter is burning, close the fireplace screens. Do not close glass doors unless the wood in the fireplace has been certified for use with log lighter with doors closed.
11. When the wood fire is lit, the log lighter valve should be turned off. Failure to do so will cause wood logs to burn faster than normal.
12. Remove gas valve key and place in a safe location out of reach of small children.

Leak Checking:

Periodically check all connections for leaks, or immediately check if the smell of gas is detected. Do not smoke while leak checking. Extinguish all open flames. Make a soap solution of one part liquid detergent and one part water. You will need a spray bottle, brush or a piece of rag to apply the solution to the fittings.


1. Light the burner pipe by placing a long lit match next to the Log Lighter burner pipe holes.
2. Turn the gas valve ON gradually until burner ignition occurs.
3. Apply the soap solution around the connections. Soap bubbles will appear where a leak is present.
4. If a leak is present, immediately turn off gas valve, tighten any leaking connection, relight the burner and recheck.

Maintenance Instructions:

Dust, lint, debris and spider webs can build up during the off-season. Keep burner and airflow passageways clean. Inspect or have these areas inspected at the beginning of the heating season by a qualified service person.

Before Cleaning: Ensure the gas valve is off. Make sure the fireplace is cool.

Burner Cleaning: Use a flashlight to inspect the log lighter inlet and burner ports to ensure they are not blocked. If obstruction can be seen, try removing the pipe from the mixing chamber and tap out any debris inside of the pipe. Also check the mixing chamber for debris and vacuum or wipe out any debris if possible. Replace the burner pipe being sure to tilt the burner ports approximately 30 or 45 degrees inwards toward the rear of the fire box. Remember the air/gas mixing chamber should be facing out toward the front. Air Passageways, Glass Doors & Screens: Use a vacuum cleaner to clean the combustion, circulating air passageways and screens and dampened cloth to clean the glass doors. Fireplace Build-up: Remove ash build-up to avoid blockage of burner ports.

 **WARNING:** Use of this product can expose you to chemicals including lead and carbon monoxide from the combustion of fuels, which are known to the State of California to cause cancer and reproductive or other developmental harm. For more information, go to www.P65Warnings.ca.gov

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Manufacturers of Blue Flame Fireplace
Log Lighters and Gas Valves

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