



Attention: Please carefully read these instructions prior to installing your H-Burner. Failure to adhere to these instructions may result in a possible fire hazard, explosion, property damage, serious injury, or loss of life. Do not discard this instruction manual, it must remain with the appliance.

What to do if you smell gas:

- Do not attempt to ignite your appliance
- Do not touch any electrical switch
- Contact your gas supplier immediately from an off-site location
- Contact your local fire department

Attention: This fireplace burner kit is for use with Natural Gas fuel only. Do not use propane gas with this appliance.

Tools Needed: Pipe Wrench, Channel Locks or other Adjustable Wrench, Pipe Joint Compound or Pipe Tape, Long-necked Butane Lighter, Gloves, Safety Glasses

Installer: Leave this manual with the appliance.

Consumer: Do not discard this manual. Save for future reference.

Important: This is a vented gas burning appliance and is for use with solid-fuel burning fireplaces built of non-combustible material with a fully functional chimney flue. A damper clamp is included with this kit to prevent the full closure of the flue damper however, during operation of this burner, your chimney damper must be fully open.

Attention: Installation and service must be performed by a qualified gas installer, service agency, or gas supplier. Your installer must follow these instructions carefully. Starfire Designs®, Starfire Direct, Inc. and their affiliates are not responsible for the actions of the installer.

The installation of this burner must conform to all local codes. In the absence of local codes, the National Fuel Gas Code ANSI Z223.1 or CAC/CGA-8149.1, National Gas Installation Code must be adhered to.

We recommend our products be installed and serviced by a member of the National Fireplace Institute who is certified as a Gas Specialist. For More information, go to www.NFICertified.org



Important Safety Information



WARNING: DO NOT TOUCH! HOT! BURN RISK! FIRE HAZARD! SEVERE BURNS OR CLOTHING IGNITION MAY RESULT FROM THE IMPROPER USE OR INSTALLATION OF THIS APPLIANCE!

KEEP CHILDREN AWAY. SUPERVISE CHILDREN AT ALL TIMES WHEN IN THE AREA OF THIS APPLIANCE. INFORM ADULTS AND CHILDREN OF THE RISKS AND DANGERS OF HIGH TEMPERATURES. FLAMMABLE MATERIAL SUCH AS, BUT NOT LIMITED TO, CLOTHING SHOULD NOT BE HUNG OR STORED IN, ON, AROUND, OR ANYWHERE NEAR THE APPLIANCE.

Warning: Do not store flammable liquids or vapors anywhere near this appliance.

Warning: Solid-fuels must not be burned in a fireplace where a decorative appliance is installed.

Warning: Do not use this appliance if it or any part of it has been submerged beneath water.

Warning: Your chimney must be cleaned prior to the installation or use of this product. Call a chimney sweep.

Warning: Avoid drafts that may alter the flame patterns of this burner. Do not point fans into the fireplace while unit is in use.

Warning: A fireplace screen must be in place while the fireplace is in use.

Warning: Do not use any type of fireplace blower or heat exchanger with this product unless approved by the manufacturer.

Warning: Glass doors must be fully open when this burner is in use.

Warning: Outside air ducts or ash dumps must be closed prior to installation and use of this appliance.

IMPORTANT:

- Never leave this appliance unattended while in use.
- Supervise children at all times.
- Flammable materials must not be placed on or near the fire.
- A qualified technician should inspect this appliance annually.
- Inspect all gas supply lines prior to each use.

Parts List

Your fireplace H-Burner Kit comes with one of each of the following parts. Ensure that you have all parts before beginning the installation process. If any parts are missing or damaged, contact the dealer you purchased your kit from.



Don't Forget the Fire Glass!

Your H-burner kit is specifically designed for use with Starfire Glass® brand fire glass.

Order your Starfire Glass® at:
www.StarfireDirect.com/StarfireGlass



How Much Fire Glass Do You Need?



To determine the amount of glass needed for your particular fireplace, use our handy online Fire Glass Calculator.

Go to www.StarfireDirect.com/Fireglass-Calculator

Attention: Decorative fire glass is designed to cover your H-Burner and connection kit entirely. However, do not bury your safety pilot kit or any other type of valve system in fire glass.

Replacement parts available at: www.StarfireDirect.com

Fireplace Requirements

Check to make sure your fireplace meets venting requirements for this H-Burner.

Ensure that your gas burner system is the correct size for your fireplace. Improper sizing may negatively impact the proper drafting of the fireplace. Too large a burner system will adversely affect the burn and hamper the proper operation of the control system (if using one).

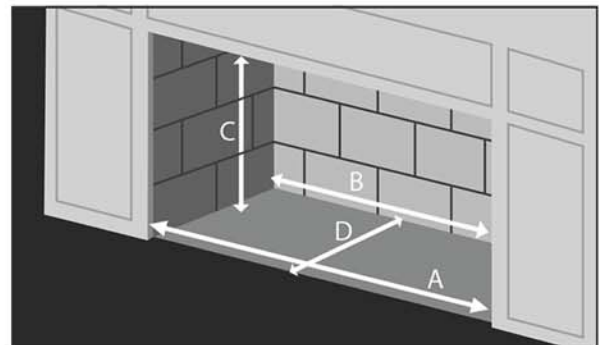
This fireplace H-Burner kit is only to be installed in a fully vented, non-combustible fireplace with an open flue damper. The chimney must be free of obstructions. The fireplace must be designed and approved for burning solid fuel, like wood. This H-Burner system is designed to produce yellow flames and may also produce smoke. For this reason the fireplace must be adequately vented.

The fireplace must have a gas supply line that has been installed by a qualified technician in accordance with all local codes. The gas supply line must be a minimum of 1/2" interior diameter.

When glass doors are present on your fireplace, they must remain open at all times when using this appliance. Failure to leave these doors completely open will result in improper drafting and may even result in the glass doors cracking or exploding. A fireplace screen must be present when the system is burning.

Gas Pressure Requirements: The minimum inlet gas supply pressure is 7" of water column and the maximum inlet gas supply pressure is 10.5" water column for Natural Gas.

Burner Size	A) Min. Fireplace Front Width	B) Min. Fireplace Back Width	C) Min. Fireplace Height	D) Min. Fireplace Depth
18"	24"	22"	18"	12"
24"	30"	28"	18"	12"
30"	36"	34"	18"	12"
36"	42"	40"	18"	12"
42"	48"	46"	18"	14"
48"	54"	52"	18"	14"



Please Note: The above table does not apply to installation where a safety pilot system is installed. Add 4" to the Fireplace Front Width to accommodate your safety pilot kit.

Installation

ATTENTION: Instructions must be followed carefully to ensure proper performance of the gas burner system. The fireplace floor must be level, clean, and smooth. Use gas compatible pipe tape or pipe joint compound on all NPT fittings. Do NOT use pipe tape or pipe joint compound on FLR or compression fittings. All fittings must be securely tightened with the appropriate wrenches and tools.

Install the Damper Clamp:

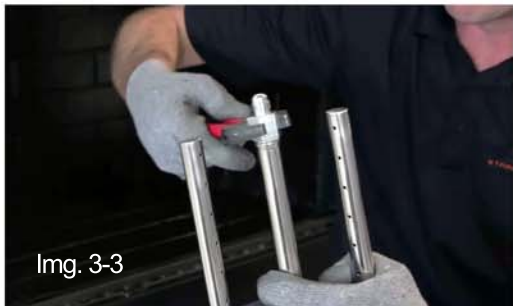
The damper clamp with set screw is provided to prevent the full closure of your flue damper blade. The clamp must be permanently installed (see Img. 3-1). Should the provided clamp not work with your exact fireplace damper blade, have a permanent stop installed, remove the damper blade, or have the damper cut to provide the minimum permanent opening required.

NOTE: This damper clamp is designed to prevent total closure of your fireplace, but your damper must remain fully open when the burner is in use.

 **Video Tutorial Available***

 Scan this code to view our installation video or go to www.StarfireDirect.com/Video-Gallery

*Video is for reference only and does not supersede these written instructions.



Install the Burner:

1. Ensure that the gas supply to the fireplace is shut off.
2. Locate the gas supply stub inside your fireplace and remove the cap. Make sure the gas pipe does not loosen inside your wall.
3. Attach the 1/2" FPT x 3/8" MFLR 90° Elbow to your gas supply pipe (see Img. 3-2).
4. Thread the 1/2" FPT x 3/8" MFLR Adapter Fitting to the 1/2" threaded pipe on your H-Burner (see Img. 3-3).
5. Place your H-Burner on the floor of your fireplace and center it. The gas inlet on the H-Burner should be on the same side of your fireplace as the gas supply line.
6. Connect the Whistle-Free Flex Connector to the 1/2" FPT x 3/8" MFLR 90° Elbow that is located on the fireplace gas-supply line.
7. Connect the opposite end of the Whistle-Free Flex Connector to the 1/2" FPT x 3/8" MFLR Adapter Fitting which is located on the H-Burner.
8. Position the Whistle-Free Flex Connector so that it is not overlapping the burner (see Img. 3-4) being careful not to kink the line.

Leak Test:

Ensure that all fittings are properly tightened. Apply a soapy water solution or leak detector solution to all connections. Next, using a long-necked butane lighter hold a flame over the H-Burner. After the flame is present, slowly turn the gas supply on and ignite your H-Burner. Inspect the soapy solution on your connections, if bubbles are appearing, a gas leak is present. Turn off the gas and re-tighten all connections. Repeat the leak detection process until no leaks are present. **NEVER HOLD A FLAME OVER YOUR CONNECTIONS TO CHECK FOR LEAKS.**

Install the Fire Glass Media:

1. Make sure your burner is still centered in your fireplace.
2. Pour the fire glass directly on top of the burner until it is covered completely. Repeat this step until the entire floor of your fireplace is covered.
3. While wearing protective gloves, spread the fire glass with your hand to achieve the desired look. We recommend that the glass slopes upward from the front of your fireplace to the back.

CAUTION: Fire Glass may contain sharp edges. Personal injury may occur if mishandled. Always wear protective gloves when handling fire glass even when the fire glass is in a plastic bag.

Operation and Maintenance

Be sure your fireplace is free from flammable liquids or combustible materials. Be sure the damper is open. If you smell gas do not attempt to ignite your fireplace.

How to ignite your H-Burner if it is not being used with a safety pilot valve:

1. Use a long-necked butane lighter and hold the flame over the burner (see Img. 4-1).
2. Slowly turn the fireplace valve to the ON position. Your burner should light.
3. If the burner does not light, immediately turn the valve to the OFF position.
4. Wait 5 minutes to clear out any gas and repeat the above steps.
5. If your burner fails to light for a third time, turn the gas valve off and contact your dealer or a local gas technician.
6. To turn your fire off, turn the valve to the OFF position. Be sure the valve is fully off to avoid any gas leakage.



If your burner is installed with a safety pilot kit follow the lighting instructions that came with the safety pilot kit

Maintenance:

Maintenance should be done annually or on an as needed basis. Keep your fireplace free of debris. Make sure the burner ports are free of blockage. Insects are attracted to the smell of natural gas and may cause blockage. Check the burner ports and clear any debris if present. If a safety pilot valve has been installed, refer to the cleaning and maintenance instructions that came with your safety pilot valve.

Service:

A qualified technician should be called to maintain your fireplace burner system. Periodic examination and cleaning must be done at least annually by a qualified service technician.

Troubleshooting and Warranty Information

Troubleshooting:

Symptom	Cause	Solution
1. Sooting	A. Poor drafting or a downdraft is present	A. Ensure your chimney is not blocked. Be sure that your chimney is at least 36" taller than anything within 120" of it in all directions. Consult a chimney sweep. A chimney cap fan may also be needed. You may also need to open a window, near the fireplace, 1" to 2" while the fireplace is in use.
	B. Damper is closed	B. Open the damper fully.
	C. Burner is positioned too close to the firebox	C. Position the H-Burner to the center of your fireplace.
2. Low Flame	A. Insufficient gas supply	A. Ensure that your plumbing is providing the appropriate amount of gas. See gas supply requirements in this manual. Other gas appliances may be competing with your fireplace. Shut off other gas appliances. Consult a qualified gas technician or installer.
	B. Blockage or kink in gas connections	B. Clean blockage. Unkink lines and connectors. Line may need to be replaced.
	C. Valve not completely open	C. Open valve completely.
3. Uneven Flame	A. Blocked burner ports	A. Clear blocked burner ports.
	B. Not enough gas pressure	B. Consult gas installer or plumber.
	C. Fire Glass may be packed down too much	C. While wearing protective gloves, loosen media around burner. Do not use bare hands.
	D. Valve not completely open	D. Open valve completely.

Warranty Information:

Limited Warranty:

Starfire Designs® warrants this fireplace H-Burner against defects in materials and workmanship for a period of 10 years from the date of purchase. This warranty is for the benefit of the original purchaser. Starfire Designs® agrees to repair or provide a replacement for the defective product, but will not remove the defective product or reinstall the replacement product. Starfire Designs® must be contacted within 15 days of discovering the defect. Do not return your defective product without written authorization from Starfire Designs®. Defective product returned without proof of purchase date will be not be covered under warranty and will be serviced or replaced at an additional expense to the original purchaser. This warranty does not cover damage caused by freight or parcel carriers, such as but not limited to, UPS, FED-EX, USPS, DHL. If your product is damaged in transit, please file a claim with the carrier immediately.

After receiving authorization from Starfire Designs®, please return defective product to:

Starfire Direct, Inc.
42168 Remington Ave.
Temecula, CA 92590

Please Note: Address subject to change. Shipping charges are the responsibility of the buyer.

Exclusions:

Starfire Designs® will not warrant any product found to be misused, abused, or installed contrary to the instructions provided in the owner's manual. Starfire Designs® is not liable for the loss, theft, damage, neglect, or misuse of this product. This warranty does not cover any Starfire Designs® product that has been modified, altered, or repaired by someone other than the Starfire Designs® factory or any person/entity that has been expressly approved by Starfire Designs®. Starfire Designs® is not liable for product color changes. Starfire Designs® will not warranty parts or fittings from third party manufacturers that are used to install our products. Starfire Designs® and Starfire Direct, Inc. are not liable for any and all claims by the purchaser of our products as a result of damage or personal injury resulting from the sale, assembly, installation, operation, shipment, storage, or manufacture of this product.