

H-Burner Use and Care Instructions

(AFG-INST-009_REVH_02/19)

A flame dancing and glistening on fire glass in a warm fireplace is truly a sight to behold, but to get the most appealing look from this display, you need a high-quality H-burner.

An H-burner ensures that the flames in your fireplace (or firepit) are realistic, and evenly distributed.

American Fire Glass' H-burners are made of high grade stainless steel which ensures their durability under extreme heat and severe weather conditions.

American Fire Glass™ H-Burners can be used both outdoors and indoors. The H-burner works best under 2 - 4 inches of fire glass.



Our H-burners are designed to be used with natural gas and are available in six sizes. You must choose the size that best fits the internal dimensions of your fireplace or fire pit. See page 6 for size chart.

ATTENTION! READ INSTRUCTIONS CAREFULLY BEFORE ASSEMBLY OR USE

Tools Required

Adjustable Wrench, Pipe Wrench, Pipe Sealing Compound, and Hand-Held Lighter.

BURNER SYSTEMS:

SS-H-12: MATCH LIGHT (12" H-Burner Style)

SS-H-18: MATCH LIGHT (18" H-Burner Style)

SS-H-24: MATCH LIGHT (24" H-Burner Style)

SS-H-30: MATCH LIGHT (30" H-Burner Style)

SS-H-36: MATCH LIGHT (36" H-Burner Style)

SS-H-48: MATCH LIGHT (48" H-Burner Style)

All Burners for Natural Gas Only

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.

Installation and service must be performed by a gas installation professional, service agency, or gas supplier.

INSTALLER: Leave this manual with the appliance.

CONSUMER: Retain manual for future reference and safety precautions.

Do not store or use gasoline or other flammable vapors and/or liquids near this appliance.

WHAT TO DO IF YOU SMELL GAS

- Shut off gas supply.
- Do not try to light any appliance.
- Do not touch any electrical switch; do not use any phone in your building.
- Immediately call you gas supplier from a neighbor's phone. Follow the gas supplier's instructions.
- If you cannot reach your gas supplier, call the fire department.

WARNING

This is a vented gas appliance for use only in solid-fuel burning fireplace constructed of non-combustible materials with a fully functional chimney flue which must vent all products of combustion. When operating, the chimney **DAMPER MUST BE FULLY OPEN**.

Improper installation, alteration, service, or maintenance can cause property damage, personal injury, or loss of life. Read these instructions thoroughly before installation. For assistance or additional information, consult your gas log dealer, qualified installer, service agency or gas supplier.

Installation must conform with local codes, or in the absence of local codes, with the National Fuel Gas Code ANSI Z223.1/Latest Edition/NFPA54

WARNING: CARBON MONOXIDE POISONING MAY LEAD TO DEATH

When used without fresh air, decorative gas appliances may give off carbon monoxide, which is an odorless, colorless, poisonous gas. Some people, pregnant women, persons with heart or lung disease, anemia, persons under the influence of alcohol, and persons who live at high altitudes, are more affected by carbon monoxide than others.

Early signs of carbon monoxide poisoning resemble the flu and include; headaches, dizziness, and/or nausea. If you have these symptoms, the burner or flue may not be installed or working properly, or the flue may be blocked. **GET FRESH AIR AT ONCE!** Verify that the H-Burner is properly arranged and have the heater and chimney flue serviced before using again.



WARNING: This product can expose you to chemicals including (Lead and Lead Compounds, Lead Acetate, Lead, Phosphate, Lead Subacetate, Nickel, Antimony, Chromium, and Cobalt), which are known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov.

IMPORTANT INFORMATION

- Installation, service and repair must be done by a gas installation professional. The appliance should be inspected before use and at least annually by a profession service technician. More frequent cleaning may be required due to excessive lint from carpeting, bedding material, etc. It is imperative that control compartments, burners, and circulating air passageways of the appliance be kept clean. Due to high temperatures, appliance should be located out of traffic and away from furniture and draperies.
- **WARNING: Glass doors must be fully opened when appliance is in operation to allow for safe combustion, cooling of components and venting.**
- BE CAREFUL if not installed, serviced and used correctly per these instructions, this product can cause serious personal injury, property damage or loss of life.
- The installation and the provision for combustion and ventilation air must conform with the NATIONAL FUEL GAS CODE Z223.1/Latest edition/NFPA54
- Children and adults should be alerted to the hazard of high surface temperatures and should keep a safe distance from appliance to prevent burns or clothing ignition.
- Young children should be carefully supervised when they are in the same room with the appliance.
- Do not place clothing or other flammable material on or near the appliance.
- Any safety screen or guard removed for serving an appliance must be replaced prior to operating.
- **WARNING: Any change to this appliance or its controls can be dangerous.**
- **WARNING: Failure to keep the primary air opening(s) of the burner clean may result in sooting and property damage.**
- Keep appliance area clear and free from combustible materials, gasoline, and other flammable vapors and liquids.
- DO NOT use this room appliance if any part has been under water. Immediately call a qualified service technician to inspect the appliance and to replace any part of the control system and any gas control that has been under water.
- **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.**
- **WARNING: Do not allow fans to blow directly into fireplace. Avoid drafts that may alter burner patterns.**
- **WARNING: Do not use a blower insert, heat exchanger inserts, or any other accessory not approved for use with this appliance.**
- A fireplace screen must be in place when the appliance is operating and, unless other provisions for combustion air are provided, the screen shall have an opening(s) for introduction of combustion air.
- *Solid fuels shall not be burned in a fireplace where this appliance is in operation.
- Any outside air ducts and/or ash dumps in the fireplace shall be permanently closed at the time of appliance installation.
- Avoid contact with the objects, chassis or another part which may be hot during operation.
- This appliance is only for use with the type of gas indicated on the box.
- Minimum inlet gas supply pressure for input shall be 6 inches of water column on natural gas. Maximum inlet gas supply pressure shall be 9 inches of water column on natural gas.
- The H-Burner and its individual shutoff valve must be disconnected from the gas supply piping system during any pressure testing of system if test pressures exceed ½ PSIG (3.5kPa).
- Attach **Damper Clamp** over edge of Fireplace **Damper Blade** to prevent damper from fully closing accidentally. If unable to attach damper clamp, call a qualified installer.

RECOMMEND

Attention: Installation and service must be performed by a gas installation professional, service agency or gas supplier. The installer must follow these instructions carefully. The installation of this burner appliance must conform to all local codes. In the absence of local codes, the installation must conform to the National Fuel Gas Code ANSI Z223.1/latest edition/NFPA54. American Fire Glass is not responsible for the actions of the appliance installer.

It is the responsibility of the installer to confirm the appropriate application and heat (BTU) rating of this burner appliance into any/all existing fireplace units prior to installation.

IMPORTANT

THIS H-BURNER MUST BE INSTALLED IN A FULLY VENTED SOLID-FUEL BURNING FIREPLACE WITH A WORKING FLUE CONSTRUCTED OF NON-COMBUSTIBLE MATERIAL.

DAMPER MUST BE WIDE OPEN WHILE BURNING. OPEN A WINDOW AN INCH OR TWO FOR FRESH AIR WHEN USING YOUR H-BURNER. SOLID FUELS SHALL NOT BE BURNED IN A FIREPLACE WHERE A DECORATIVE APPLIANCE IS INSTALLED.

PARTS LIST

1. H-Burner 12", 18", 24", 30", 36", and 48"
2. Damper Clamp
3. Inlet Fitting 1/2" x 3/8" Flared Brass Fitting
4. 1/2" MIP x 3/8" Flared Fitting
5. 3/8" x 16" Flex Connector



IMPORTANT: Use with other manufacture parts, controls, remotes, parts and accessories which are not designed or tested with AMERICAN FIRE GLASS™ products is prohibited and will void all warranties. Liability for bodily injuries or property damage will not be accepted by AMERICAN FIRE GLASS™ if installation and/or product usage does not comply with this H-Burner.

WARNING! CHECK FOR PROPER VENTING

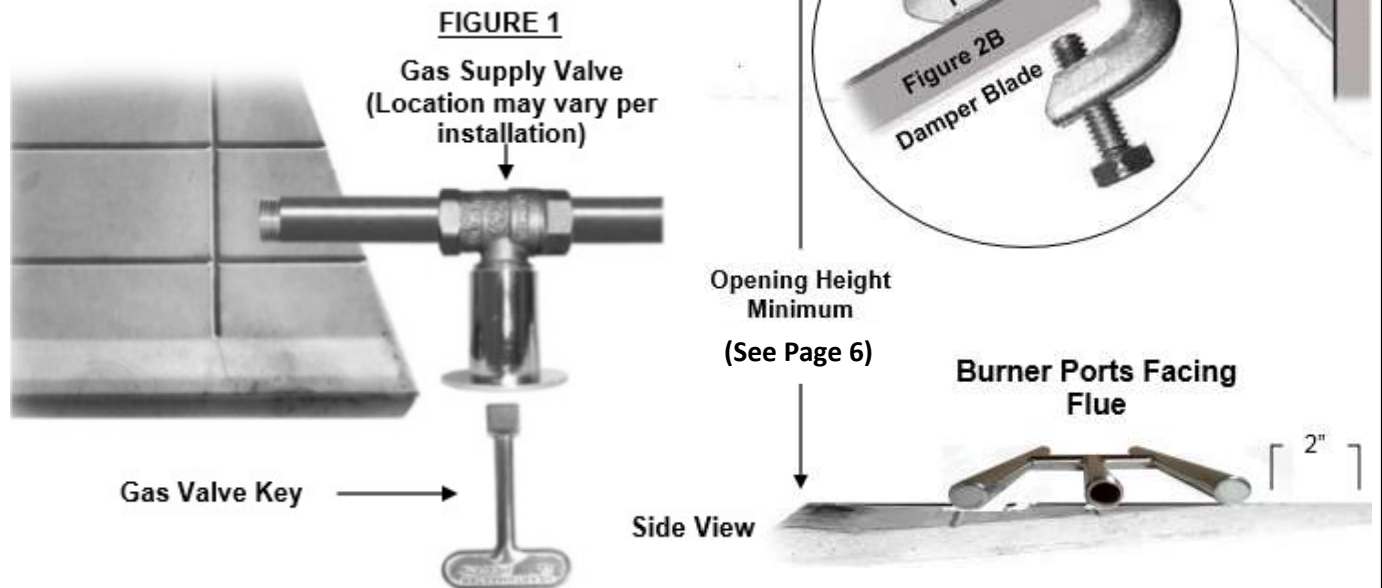
A properly sized, unobstructed chimney will normally vent all fumes and products of combustion. Any odor or smoke detected inside the room is an indication that the flue is not properly removing the combustion products. **SHUT OFF BURNER IMMEDIATELY! CAUSE OF THE VENTING PROBLEM MUST BE DISCOVERED AND CORRECTED BEFORE CONTINUED USE OF THE H-BURNER.** Continued use with improper venting may cause damage to your fireplace, room and furnishings, and could cause serious illness. If improper venting is suspected, **IMMEDIATELY HAVE H-BURNER AND CHIMNEY FLUE SERVICED.** Periodically examine and clean the venting system. Once a year, a qualified agency should examine and clean the venting system of your solid fuel burning fireplace.

GENERAL INSTALLATION INSTRUCTIONS

WARNING: Failure to position the parts in accordance with these diagrams or failure to use only parts specifically approved with this appliance may result in property damage or personal injury.

STEP ONE PREPARATION:

- Verify that the H-Burner is correctly matched to fire box size.
- Turn off **Fireplace Gas Supply** (Figure 1)
- Thoroughly clean fireplace floor of any ashes and have a qualified chimney cleaner ensure that the chimney flue and firebox are free of soot, creosote, and loose paint.
- Attach **Damper Clamp** (Figure 2A) over edge of Fireplace **Damper Blade** (Figure 2B) to prevent damper from fully closing accidentally. If unable to attach damper clamp, call a gas installation professional.



H-Burner Positioning in Fireplace (side view)

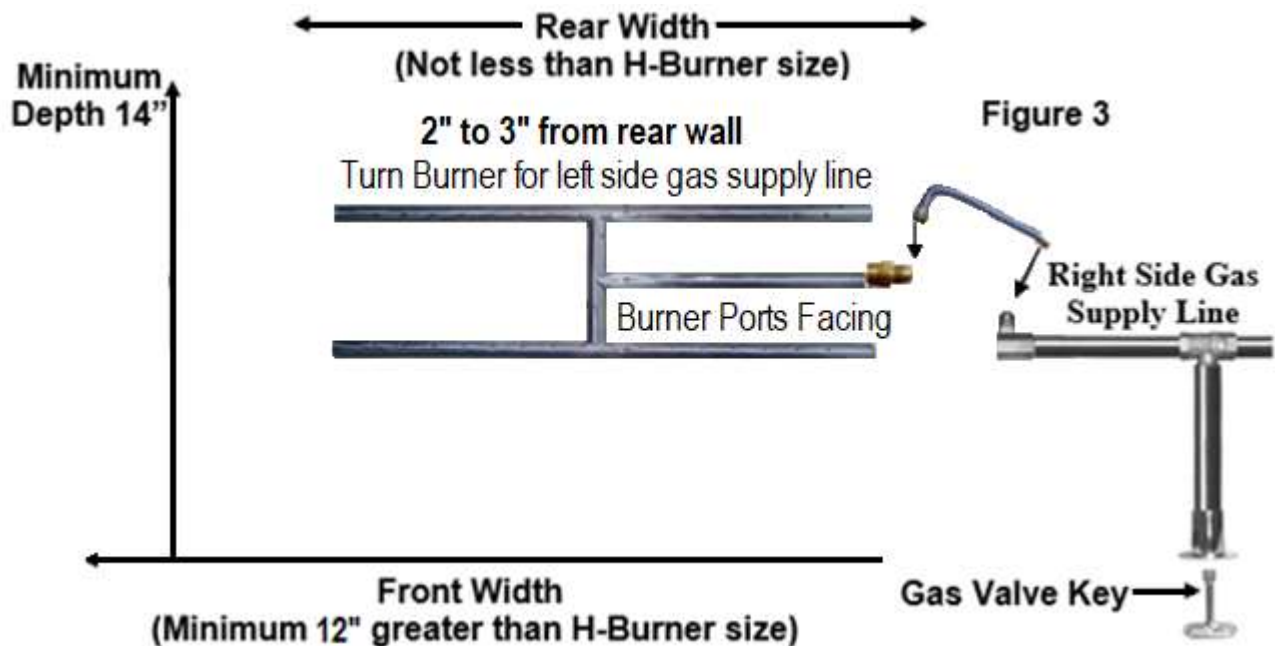
1. Place BURNER inside firebox (Figure 2) 2 to 3 inches from the rear wall. Center the burner left to right.
2. Be sure the FLEX CONNECTOR is not positioned over the BURNER or exposed to direct flame.

IMPORTANT:

THE CHIMNEY DAMPER MUST BE WIDE OPEN AND FIXED IN A MANNER TO MAINTAIN A PERMANENT FREE OPENING AT ALL TIMES AS OUTLINED ABOVE. THE AREA OF THE FLUE MUST BE NOT LESS THAN 1/10TH THE AREA OF THE FIREPLACE OPENING. THIS H-BURNER MUST BE INSTALLED IN A FULLY VENTED METAL OR MASONRY FIREPLACE WITH A WORKING FLUE THAT IS SAFE FOR BURNING A WOOD FIRE. THE FLUE MUST BE FREE OF ANY OBSTRUCTIONS AND MUST EXHAUST ALL PRODUCTS OF COMBUSTION, DAMPER MUST BE FULLY OPEN BEFORE LIGHTING OR BURNING FOR PROPER VENTILATION.

"H" BURNER SIZE (Inches)	FIREBOX FRONT WIDTH (Inches)	FIREBOX REAR WIDTH (Inches)	FIREBOX DEPTH (Inches)	FIREBOX HEIGHT (Inches)	CHIMNEY DIAMETER (Inches)	MINIMUM PERMANENT CHIMNEY OPENING (Sq Inches)	BTU MAXIMUM 8 W.C.
12	18	12	14	16	8	29	60,000
18	24	18	14	16	8	39	75,000
24	30	24	16	16	8	51	125,000
30	36	30	16	18	8	64	150,000
36	48	36	18	24	9	64	170,000
48	60	46	18	24	9	64	219,000

H-BURNER SERIES TECHNICAL DATA SHEET



Burner Positioning in Fireplace (Top View)

1. Place BURNER inside firebox as far as 2 inches to 3 inches (see Figure 3) from the rear wall. Center the BURNER left to right.
2. Be sure the FLEX CONNECTOR is positioned away from the BURNER and is not exposed to direct flame.

Gas Supply Connection

1. Apply pipe compound to thread end of gas supply pipe. Thread 1/2" FIP x 3/8" flare elbow onto gas supply pipe and wrench tighten.
2. Apply pipe compound onto threads of H-Burner and thread 1/2" FIP x 3/8" flare fitting then wrench tighten.
3. Position H-Burner inside firebox (see Figure 3), connect stainless, whistle-free flex connector to the inlet of burner and to the 1/2" FIP x 3/8" flare elbow on gas supply pipe and wrench tighten. **NOTE: Do not kink or break stainless flex connector tube.**
4. Ensure that flex line is not routed over H-Burner or exposed to open flame.
5. Turn on gas supply to fireplace.
6. Test all connections for leaks with soapy water solution. If solution bubbles, turn off gas supply, retighten fitting and recheck. If leaks are found, turn off gas immediately.

WARNING: DO NOT FLAME TEST FOR LEAKS

INSTALLATION INSTRUCTIONS - LIGHTING AND OPERATION OF H-BURNER

FILLING H-BURNER WITH AMERICAN FIRE GLASS™

1. Begin by completely covering H-BURNER with fire glass.
2. Focus on covering the entire H-BURNER TUBES by spreading evenly within the firebox floor. Burner must have a 2" of fire glass depth.
3. Spread the remaining fire glass evenly on the firebox floor without exposing H-BURNER.



IMPORTANT: CHIMNEY DAMPER MUST BE WIDE OPEN

MANUAL MATCH LIGHTING

Standard Match Light

(H-BURNER FOR NATURAL GAS ONLY)

1. **Place lighted** match (Figure 4) on glass near inlet end of burner. **DO NOT HOLD MATCH IN HAND!** Move away from fireplace.
2. Slowly open **FIREPLACE GAS SUPPLY VALVE** and wait for burner to light.
3. Adjust **FIREPLACE GAS SUPPLY VALVE** for desired flame height.

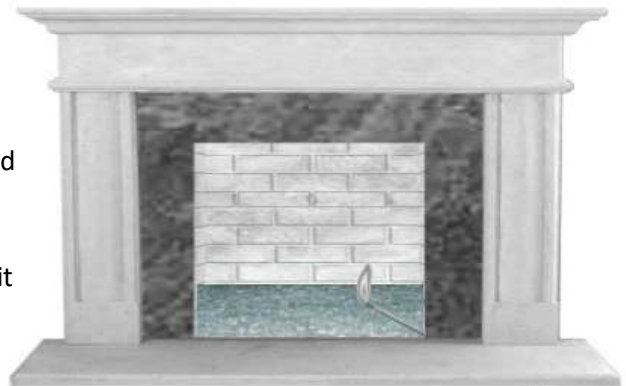


Figure 4

WARNING: DO NOT ALLOW FLAMES FROM H-BURNER TO EXCEED HEIGHT OF THE FIREPLACE OPENING.

4. **SHUTDOWN:** Close **FIREPLACE GAS SUPPLY VALVE** completely.

WARNING: DO NOT LEAVE BURNER UNATTENDED WHILE H-BURNER IS BURNING

WARNING: DO NOT FLAME TEST FOR LEAKS

NORMAL OPERATING CHARACTERISTICS

A yellow bodied wood like flame that will produce carbon soot. The carbon soot produced is natural and adds to the realistic appearance of the H-Burner.

CUSTOMER RESPONSIBILITIES AND PERIODIC MAINTENANCE

- Do not use with blower inserts or heat exchangers.
- Do not operate this burner with any burner object other than the American Fire Glass specifically designed and approved by American Fire Glass with these burner systems.
- **WARNING: Do not allow fans to blow directly into fireplace. Avoid any drafts that alter burner flame patterns.** Do not place blower inside area of firebox. Ceiling fans may create draft that alters flame patters. Sooting and improper burning may occur. Sooting can settle on surfaces outside the fireplace. Maintain position of glass on burner always.

FIREPLACE SAFETY GUIDELINES

- A. Check Gas Type (Natural Gas Only). The gas supply must be the same as stated earlier. If gas is different, do not install. Contact your dealer for immediate assistance.
- B. The gas pipe system must be sized to provide minimum inlet pressure at the maximum flow rate (BTU/hr). Undue pressure loss will occur if the pipe is too small, or the run is too long.
- C. The minimum clearance from the fireplace opening to combustible materials on the side walls and ceiling must be maintained as outlined in MINIMUM CLEARANCE TO COMBUSTIBLES WALL AND CEILINGS.
- D. At least 10"-12" of noncombustible or heat resistance material is required above the fireplace. A fireplace hood will be required to act as a heat deflector in protecting combustible fireplace surrounds (facing and / or mantel) if certain minimum clearance cannot be met. Be certain that combustible flooring material (i.e.: carpet, tile, etc.) is not too close to this gas appliance. If the appliance is at floor level or less than 6" above the floor, there must be at least 12" of noncombustible material between the base of the fireplace and any combustible flooring.

TROUBLESHOOTING

Complaint: Burner is excessively noisy.

Please note: The movement, mixing of air and gas, and combustion will create a low, throaty sound, which is normal.

Excessive gas pressure: Make sure the gas pressure coming into the fireplace complies with the minimum and maximum pressures allowed with this burner. (See page 3)

Passage of air/gas across irregular surfaces: There may be burrs or other blockage on burner ports, check these ports and remove any blockage.

Gas connector: Remove any tight bends or kinks in the flex connector. Be sure to use a whistle-free flex connector.

Complaint: Odor.

Poor draft/ventilation or an obstruction. Have a qualified professional inspect fireplace venting.

Complaint: Excessive smoking and sooting.

Cause: Poor draft or down draft, check if damper is closed. Flue is less than 8" in diameter.

Solutions: Open damper fully when operating the H-Burner. If flue is too small, remove the burner and seek professional help, ensure adequate fireplace venting.

American Fire Glass, Inc.
570 Third Street, Lake Elsinore, CA 92530
www.americanfireglass.com
1-888-264-1017
AFG-INST-009_REVH_07/19

LIMITED LIFETIME CONSUMER PRODUCT WARRANTY

The following warranty has been drafted to comply with the MAGNUSON-MOS-WARRANTY ACT applicable to products manufactured after July 4, 1975. It replaces and supersedes any warranty in this package or in any printed literature.

LIMITED WARRANTY

AMERICAN FIRE GLASS, 570 THIRD STREET, LAKE ELSINORE, CA U.S.A., warrants all American Fire Glass products and accessories against defects in materials and workmanship, and suitable for a purpose, for a period of:

1. TEMPERED GLASS – All glass is guaranteed against burnout in the original installation for the lifetime of the initial purchaser.
2. BURNERS/PANS – 5 years from date of purchase.
3. FITTINGS – 5 years from date of purchase.
4. IGNITION SYSTEM and PARTS – 1 year from date of purchase.
5. LITE STONES – 2 years from date of purchase.

THIS WARRANTY IS FOR THE BENEFIT OF THE ORIGINAL PURCHASER.

WARRANTY ADJUSTMENT:

1. AMERICAN FIRE GLASS agrees to repair or furnish a replacement for, but not remove or install any product or component, which proves defective, within the above warranty and appropriate time periods stated
2. BUYER shall notify AMERICAN FIRE GLASS of any defect within this warranty no later the thirty (30) days after a defect is discovered.
3. No product will be accepted for return or replacement without authorization by AMERICAN FIRE GLASS. Before returning merchandise, contact AMERICAN FIRE GLASS giving full details of the complaint, a copy of sales receipt, invoice or other evidence of purchase date, and an image of the item installed. Merchandise returned without proof of purchase date will be serviced out of warranty at our prevailing service and part rates. If merchandise was damaged in transit, file claim immediately with the carrier, and contact AMERICAN FIRE GLASS. Product returned must be addressed as follows:
AMERICAN FIRE GLASS
570 THIRD STREET
LAKE ELSINORE, CA 92530
Shipping charges must be pre-paid by buyer.

REPAIR OR REPLACEMENT UNDER THIS WARRANTY WILL BE SHIPPED AT NO CHARGE TO THE CUSTOMER.

EXCLUSIONS FROM WARRANTY:

1. The foregoing warranty is limited solely as set forth herein and applies only for the periods designated above.
 2. AMERICAN FIRE GLASS shall not be liable for any loss, damage, incidental or consequential damages of any kind, whether based upon warranty, contract, or negligence, arising in connection with the sale, use, or report of the product. Some states do not allow the exclusion or limitation of incidental or consequential damages, so the above limitation or exclusion may not apply to you.
 3. The maximum liability of AMERICAN FIRE GLASS in connection with this limited warranty shall not in any case exceed the contract price paid for the product claimed to be defective or unsuitable.
 4. This warranty does not extend to any product provided by AMERICAN FIRE GLASS which has been subjected to misuse, neglect, accident, improper installation, or use in violation of instructions furnished by AMERICAN FIRE GLASS.
 5. This warranty does not extend to or apply to any unit which has been repaired or altered at any place other than AMERICAN FIRE GLASS factory, or by persons not expressly approved by AMERICAN FIRE GLASS.
 6. Components manufactured by any supplier other than AMERICAN FIRE GLASS shall bear only that warranty made by the manufacturer of that product.
 7. Freight damage and color changes occurring from cause beyond manufacturer's control and are not covered by any warranty.
- THIS WARRANTY GIVES YOU SPECIFIC LEGAL RIGHTS, AND YOU MAY ALSO HAVE OTHER RIGHTS WHICH VARY FROM STATE TO STATE. AMERICAN FIRE GLASS shall be held harmless from all claims by the buyer because of injury or damage to an ultimate user or other person caused by the product solid herein by the seller to the buyer, whether the injury or damage results from the assembly, installation, operation, shipment, storage or manufacture of this product. AMERICAN FIRE GLASS makes no warranties, expressed or implied, other than those expressly stated herein.