

VISION GAS FIREPLACE

Installation, Operation and Owner's Manual



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.

WARNING: If the information in these instructions 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. Installation and service must be performed by a qualified installer, service agency or the gas supplier.

Ce manuel est disponible en Français sur demande.



Report #284-F-01-5

July 2014

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IMPORTANT SAFETY INFORMATION

1. The installation must conform with local codes or, in the absence of local codes, with the *National Fuel Gas Code, ANSI Z223.1* or the *Canadian Installation Code, CAN/CGA B149.1*.
2. The appliance and its appliance main gas valve must be disconnected from the gas supply piping system during any pressure testing of that system at test pressures in excess of ½ psi (3.5 kPa).
3. The appliance must be isolated from the gas supply piping system by closing its equipment shutoff valve during any pressure testing of the gas supply system at test pressures equal to or less than ½ psi (3.5 kPa).
4. The installation must provide for adequate ventilation air to the appliance.
5. This gas appliance must not be connected to a chimney flue serving a separate solid-fuel burning appliance.
6. The appliance, when installed, must be electrically grounded in accordance with local codes, or, in the absence of local codes, with the *National Electrical Code ANSI/NFPA 70*, or the *Canadian Electrical Code, CSA C22. 1*.
7. When the appliance is installed directly on carpeting or tile or other combustible material other than wood flooring, the appliance shall be installed on a metal or wood panel extending the full width and depth of the appliance. The bottom of the fireplace complies with this requirement.
8. The appliance area must be kept clear and free from combustible materials, gasoline and other flammable vapors and liquids.
9. The flow of combustion and ventilation air must not be obstructed.
10. Do not use this 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 which has been under water.
11. Due to high temperatures, the appliance should be located out of traffic and away from furniture and draperies.
12. Children and adults should be alerted to the hazards of high surface temperatures and should stay away to avoid burns or clothing ignition.
13. Young children should be carefully supervised when they are in the same room as the appliance.
14. Clothing or other flammable material should not be placed on or near the appliance.
15. Any screen or guard removed for servicing an appliance must be replaced prior to operating the appliance.
16. This appliance is not for use with glass doors.
17. Installation and repair should be done by a qualified service person. The appliance should be inspected before use and at least annually by a professional service person. More frequent cleaning may be required due to excessive lint from carpeting, bedding material, etc. It is imperative that the control compartments, burners and circulating air passageways of the appliance be kept clean.
18. This appliance is equipped for use with natural gas or propane and is not convertible to the other fuel.
19. This appliance has been certified by OMNI-Test Laboratories, Inc. to ANSI Z21.50b-2005 • CSA 2.33a-2003 Vented Gas Fireplaces and CAN1-2.17-M91, Gas-Fired Appliances for Use At High Altitudes.
20. This appliance is approved for installation in the Commonwealth of Massachusetts. The Board of State Examiners of Plumbers and Gas Fitters has issued approval number G3-0113-334 for this appliance.
21. This appliance is approved for installation in New York City. The Department of Buildings has issued MEA number 26-06-E for this appliance.

AVERTISSEMENT: Assurez-vous de bien suivre les instructions données dans cette notice pour réduire au minimum le risque d'incendie ou d'explosion ou pour éviter tout dommage matériel, toute blessure ou la mort.

Ne pas entreposer ni utiliser d'essence ni d'autres vapeurs ou liquides inflammables dans le voisinage de cet appareil ou de tout autre appareil.

QUE FAIRE SI VOUS SENTEZ UNE ODEUR DE GAZ:

- Ne pas tenter d'allumer d'appareil.
- Ne touchez à aucun interrupteur. Ne pas vous servir des téléphones se trouvant dans le bâtiment où vous trouvez.
- Appelez immédiatement votre fournisseur de gaz depuis un voisin. Suivez les instructions du fournisseur.
- Si vous ne pouvez rejoindre le fournisseur de gaz, appelez le service des incendies.

L'installation et l'entretien doivent être assurés par un installateur ou un service d'entretien qualifié ou par le fournisseur de gaz.

Attention. Au moment de l'entretien des commandes, étiquetez tous les fils avant de les débrancher. Des erreurs de câblage peuvent entraîner un fonctionnement inadéquat et dangereux. S'assurer que l'appareil fonctionne adéquatement une fois l'entretien terminé.

Cet appareil doit être utilisé uniquement avec les types de gaz indiqués sur la plaque signalétique. Cet appareil ne peut être converti à d'autres gaz.

AVERTISSEMENT: Risque de dommages ou de blessures si les pièces ne sont pas installées conformément à ces schémas et ou si des pièces autres que celles spécifiquement approuvées avec cet appareil sont utilisées.

Les dégagements sont conformes aux codes d'installation locaux et aux exigences du fournisseur de gaz.

NE PAS UTILISER AVEC DES PORTES EN VERRE.

Le registre doit être en position ouverte lorsque le ou les brûleurs principaux de l'appareil fonctionnent.

Ne pas se servir de cet appareil s'il a été plongé dans l'eau, même partiellement. Faire inspecter l'appareil par un technicien qualifié et remplacer toute partie du système de commande et toute commande qui ont été plongées dans l'eau.

Installations in the Commonwealth of Massachusetts must observe the following:

5.08: Modifications to NFPA-54, Chapter 10

Revise 10.8.3 by adding the following additional requirements:

(a) For all side wall horizontally vented gas fueled equipment installed in every dwelling, building or structure used in whole or in part for residential purposes, including those owned or operated by the Commonwealth and where the side wall exhaust vent termination is less than seven (7) feet above finished grade in the area of the venting, including but not limited to decks and porches, the following requirements shall be satisfied:

1. INSTALLATION OF CARBON MONOXIDE DETECTORS. At the time of installation of the side wall horizontal vented gas fueled equipment, the installing plumber or gasfitter shall observe that a hard wired carbon monoxide detector with an alarm and battery back-up is installed on the floor level where the gas equipment is to be installed. In addition, the installing plumber or gasfitter shall observe that a battery operated or hard wired carbon monoxide detector with an alarm is installed on each additional level of the dwelling, building or structure served by the side wall horizontal vented gas fueled equipment. It shall be the responsibility of the property owner to secure the services of qualified licensed professionals for the installation of hard wired carbon monoxide detectors

a. In the event that the side wall horizontally vented gas fueled equipment is installed in a crawl space or an attic, the hard wired carbon monoxide detector with alarm and battery back-up may be installed on the next adjacent floor level.

b. In the event that the requirements of this subdivision can not be met at the time of completion of installation, the owner shall have a period of thirty (30) days to comply with the above requirements; provided, however, that during said thirty (30) day period, a battery operated carbon monoxide detector with an alarm shall be installed.

2. APPROVED CARBON MONOXIDE DETECTORS. Each carbon monoxide detector as required in accordance with the above provisions shall comply with NFPA 720 and be ANSI/UL 2034 listed and IAS certified.

3. SIGNAGE. A metal or plastic identification plate shall be permanently mounted to the exterior of the building at a minimum height of eight (8) feet above grade directly in line with the exhaust vent terminal for the horizontally vented gas fueled heating appliance or equipment. The sign shall read, in print size no less than one-half (1/2) inch in size, "GAS VENT DIRECTLY BELOW. KEEP CLEAR OF ALL OBSTRUCTIONS".

4. INSPECTION. The state or local gas inspector of the side wall horizontally vented gas fueled equipment shall not approve the installation unless, upon inspection, the inspector observes carbon monoxide detectors and signage installed in accordance with the provisions of 248 CMR 5.08(2)(a)1 through 4.

(b) EXEMPTIONS: The following equipment is exempt from 248 CMR 5.08(2)(a)1 through 4:

1. The equipment listed in Chapter 10 entitled "Equipment Not Required To Be Vented" in the most current edition of NFPA 54 as adopted by the Board; and

2. Product Approved side wall horizontally vented gas fueled equipment installed in a room or structure separate from the dwelling, building or structure used in whole or in part for residential purposes.

(c) MANUFACTURER REQUIREMENTS - GAS EQUIPMENT VENTING SYSTEM PROVIDED. When the manufacturer of Product Approved side wall horizontally vented gas equipment provides a venting system design or venting system components with the equipment, the instructions provided by the manufacturer for installation of the equipment and the venting system shall include:

1. Detailed instructions for the installation of the venting system design or the venting system components; and

2. A complete parts list for the venting system design or venting system.

(d) MANUFACTURER REQUIREMENTS - GAS EQUIPMENT VENTING SYSTEM NOT PROVIDED. When the manufacturer of a Product Approved side wall horizontally vented gas fueled equipment does not provide the parts for venting the flue gases, but identifies "special venting systems", the following requirements shall be satisfied by the manufacturer:

1. The referenced "special venting system" instructions shall be included with the appliance or equipment installation instructions; and

2. The "special venting systems" shall be Product Approved by the Board, and the instructions for that system shall include a parts list and detailed installation instructions.

(e) A copy of all installation instructions for all Product Approved side wall horizontally vented gas fueled equipment, all venting instructions, all parts lists for venting instructions, and/or all venting design instructions shall remain with the appliance or equipment at the completion of the installation.

BEFORE YOU BEGIN

Thank you for purchasing the Vision Gas Fireplace by European Home.

Please read this manual thoroughly before beginning the installation of your Vision Gas Fireplace. It has information which is important for safe, trouble-free installation and operation.

You have ordered your Vision Gas Fireplace with one of two available burners; a **VBM** or a **24VBM**. The **VBM** burner has an adjustable flame height and the **24VBM** burner has a fixed flame height.

The listing label on the burner module will identify which of the two burners you have. No matter which burner you have, the Vision Gas Fireplace cabinet and venting are installed identically. The difference in the installation of the burners is detailed in the **INSTALLING the BURNER MODULE** section.

NOTE!

Remove the combustion air door required in your particular installation. See the **COMBUSTION AIR SUPPLY** section for details.

Reset the Vision Gas Fireplace. See the **MAINTENANCE** section for details.

You should have the following tools and supplies:

- 8" Type B vent pipe and appropriate draft hood connector (see **VENTING** section)
- Saw
- Hammer
- Wire stripper and crimping pliers
- Phillips and straight-blade screwdrivers
- Plumb line and level
- Tape measure and framing square
- Electric drill and assortment of drill bits
- Safety glasses and gloves
- Framing material
- Manometer
- #6 or #8 self-tapping screws, 1/2" - 3/4" long
- Leak detection fluid (non-corrosive) or gas detector
- 24V AC-rated switch (24VBM burner ONLY)

SPECIFICATIONS and DIMENSIONS

Manifold Pressure:	Natural Gas 4.0" (1.0 kPa)	Propane (LP) 10.0" (2.5 kPa)
Maximum Supply Pressure:	7.0" (1.7 kPa)	13.0" (3.2 kPa)
Minimum Supply Pressure:	4.0" (1.0 kPa)	11.0" (2.7 kPa)
Orifice Size:	6 Port #55 DMS	#48 DMS
Canadian Efficiency P.4:	32%	39%
Input: High Fire	42,000 BTU/hr.	43,500 BTU/hr.
Low Fire*	27,000 BTU/hr.	27,000 BTU/hr.

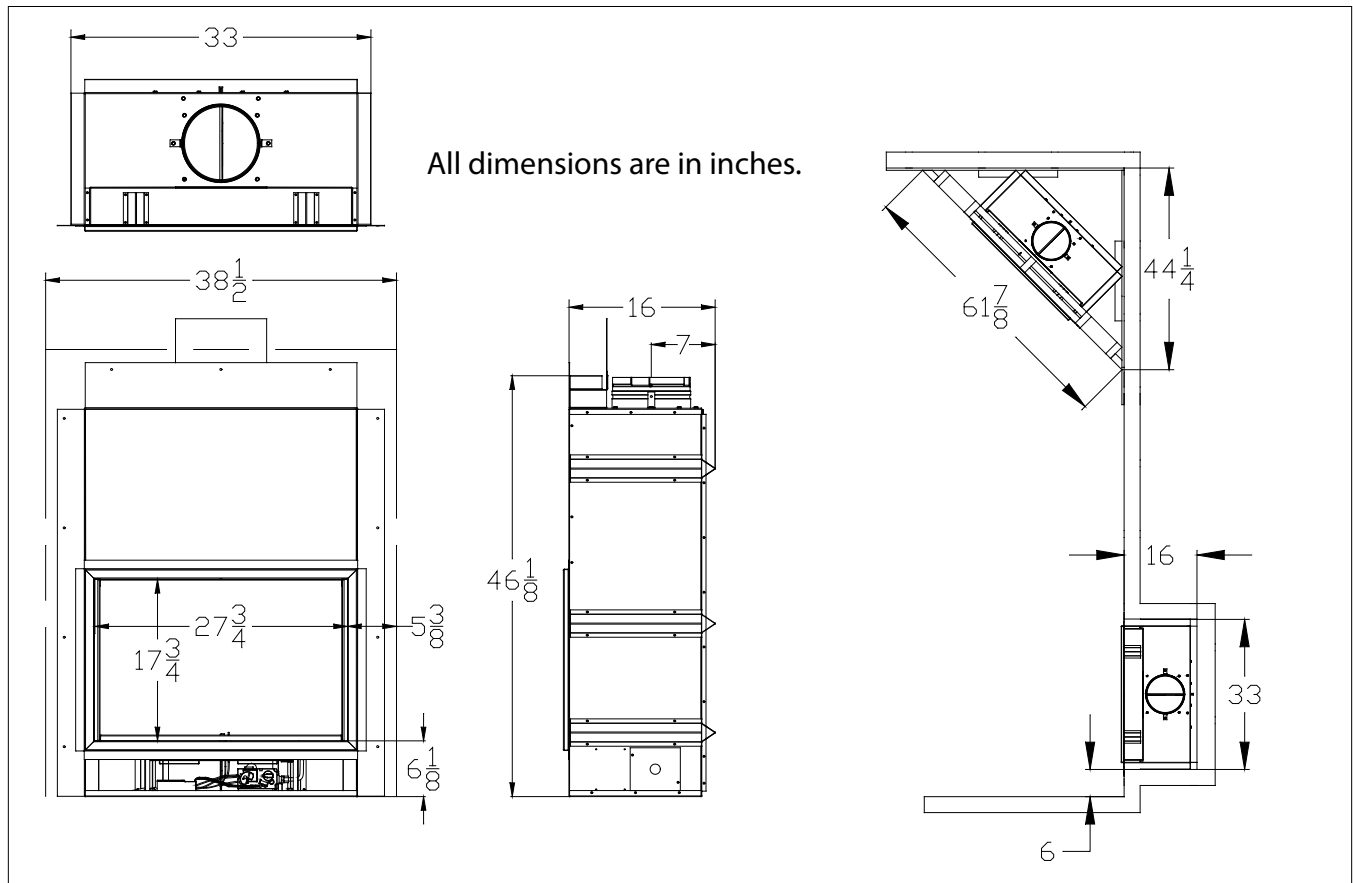
*VBM burner ONLY

VBM Wall Adapter Specifications

Input Voltage:	120V AC
Input Power:	9 W
Output Voltage:	6V DC
Output Current:	500 mA
Size:	3.1"H x 2"W x 1.7"D
Output Cord Length:	6 Feet
Agency Approvals:	UL, CSA

24VBM Electrical Rating

Voltage:	120V AC, 60 Hz
Current:	0.8A
Agency Approvals:	CSA



Vision Gas Burner Module, Model VBM-NG-02

Vision Gas Burner Module, Model VBM-LP-02

S/N _____

This appliance is equipped for: ☐ Natural Gas/Gaz Naturel

☐ Propane

Cet appareil est équipé pour:

Input Rating Btu/hr

42,000

43,500

Debit Calorifique

Min. Input (Btu/hr)

27,000

27,000

Puissance Minimum

Orifice (DMS)

6 Port #55

#48

L'injecteur

Manifold Press.

4.0"/1.0kPa

10"/2.5kPa

Press. a la Tubulure

Min. Supply Press.

4.0"/1.0kPa

11"/2.7kPa

Press. D'Arrivée Min.

Max. Supply Press.

7.0"/1.7kPa

13"/3.2kPa

Press. D'Arrivée Max.

These burner modules are certified by OMNI-Test Laboratories to "ANSI Z21.50b-2005, CSA 2.22b-2005 and CGA 2.17-M91 Vented Gas Fireplaces" when installed in the Vision Gas Fireplace (Report #284-F-01-5) and "ANSI Z21.60b-2004, CSA 2.28b-2004 and CGA 2.17-M91 Decorative Gas Appliances for Installation in Solid Fuel Burning Fireplaces" when installed in the Gas Stones with Fusion Basket (Report #284-L-02c-5).

Ces modules de brûleur sont certifiés par les laboratoires OMNI-Test (OMNI-Test Laboratories) conformes aux normes "ANSI Z21.50b-2005, CSA 2.22b-2005 et CGA 2.17-M91 pour les foyers à gaz ventilés" lorsqu'ils sont installés dans le foyer à gaz Vision (Rapport #284-F-01-5) et conformes aux normes "ANSI Z21.60b-2004, CSA 2.28b-2004 et CGA 2.17-M91 pour les appareils à gaz décoratifs pour une installation dans les foyers alimentés au combustible solide" lorsqu'ils sont installés dans le foyer Gas Stones with Fusion Basket (Rapport #284-L-02c-5).

This appliance equipped only for altitudes 0-2000 feet (0-610m) in the USA and 0-4500 feet (0-1370m) in Canada without change. Cet appareil n'est équipé que pour les altitudes de 0 à 610 m (0 à 2000 pi) aux États-Unis et 0 à 1370 m (0 à 4500 pi) au Canada sans modification.

This appliance must be installed in accordance with local codes, if any; if none, follow the ANSI Z223.1, or CSA-B149.1. Installer l'appareil selon les codes ou règlements locaux; ou, en l'absence de tels règlements, selon les codes d'installation ANSI Z223.1 ou CSA-B149.1 en vigueur.

Tested &
Listed By  Portland
Oregon USA

OMNI-Test Laboratories, Inc.

Vision Gas Fireplace
Report #284-F-01-5

Gas Stones with Fusion Basket
Report #284-L-02c-5

Manufactured by
European Home
376 Washington Street
Malden, MA 02148
tel: (781) 324-8383

CAUTION: Hot while in operation. Do not touch. Severe burns may result. Keep children, clothing, furniture, gasoline and other liquids having flammable vapors away.

ATTENTION: L'appareil est chaud lorsqu'il fonctionne. Ne pas toucher l'appareil. Risque de brûlures graves surveiller les enfants. Garder les vêtements, les meubles, l'essence ou autres liquides produisant des vapeurs inflammables loin de l'appareil.

WARNING: Improper installation, adjustment, alteration, service or maintenance can cause injury or property damage. Refer to the owner's information manual provided with this appliance. For assistance or additional information consult a qualified installer, service agency or the gas supplier.

AVERTISSEMENT: Une installation, un réglage, une modification, une réparation ou un entretien mal effectué peut causer des dommages matériels ou des blessures. Voir la notice de l'utilisateur qui accompagne l'appareil. Pour de l'aide ou des renseignements supplémentaires, consultez un installateur, un technicien agréé ou le fournisseur de gaz.

Keep burner and control compartment clean. See installation and operating instructions accompanying appliance.

S'assurer que le brûleur et le compartiment des commandes sont propres. Voir les instructions d'installation et d'utilisation qui accompagnent l'appareil.

IGN

Vision Gas Fireplace Listing Label for VBM Burner

Vision Gas Burner Module, Model 24VBM-NG-01 S/N _____

Vision Gas Burner Module, Model 24VBM-LP-01

This appliance is equipped for: ☐ Natural Gas ☐ Propane

Input Rating Btu/hr	42,000	43,500	Debit Calorifique
Orifice (DMS)	6 Port #55	#48	L'injecteur
Manifold Press.	4.0"/1.0kPa	10"/2.5kPa	Press. a la Tubulure
Min. Supply Press.	4.0"/1.0kPa	11"/2.7kPa	Press. D'Arrivée Min.
Max. Supply Press.	7.0"/1.7kPa	13"/3.2kPa	Press. D'Arrivée Max.

These burner modules are certified by OMNI-Test Laboratories to "ANSI Z21.50b-2005, CSA 2.22b-2005 and CGA 2.17-M91 Vented Gas Fireplaces" (Report #284-F-01-5), and "ANSI Z21.60b-2004, CSA 2.28b-2004 and CGA 2.17-M91 Decorative Gas Appliances for Installation in Solid Fuel Burning Fireplaces" (Report #284-L-02-5) when installed in the Vision Gas Fireplace and the Gas Stones with Fusion Basket.

This appliance equipped only for altitudes 0-2000 feet (0-610m) in the USA and 0-4500 feet (0-1370m) in Canada without change.

This appliance must be installed in accordance with local codes, if any; if none, follow the *ANSI Z223.1*, or *CSA-B149.1*. Installer l'appareil selon les codes ou règlements locaux; ou, en l'absence de tels règlements, selon les codes d'installation *ANSI Z223.1* ou *CSA-B149.1* en vigueur.

CAUTION:

Tested &
Listed By  Portland
Oregon USA
OMNI-Test Laboratories, Inc.
Manufactured by
European Home
div. of Europa Ja, Inc.
Malden, MA
781-324-8383

Hot while in operation. Do not touch. Severe burns may result. Keep children, clothing, furniture, gasoline and other liquids having flammable vapors away.

ATTENTION: L'appareil est chaud lorsqu'il fonctionne. Ne pas toucher l'appareil. Risque de brûlures graves surveiller les enfants. Garder les vêtements, les meubles, l'essence ou autres liquides produisant des vapeur inflammables loin de l'appareil.

WARNING: Improper installation, adjustment, alteration, service or maintenance can cause injury or property damage. Refer to the owner's information manual provided with this appliance.

For assistance or additional information consult a qualified installer, service agency or the gas supplier.

AVERTISSEMENT: Une installation, un réglage, une modification, une réparation ou un entretien mal effectué puet causer des dommages matériels ou des blessures. Voir la notice de l'utilisateur qui accompagne l'appareil. Pour de l'aide ou des renseignements supplémentaires, consultez un installateur, un technicien agréé ou les fournisseur de gaz.

Keep burner and control compartment clean. See installation and operating instructions accompanying appliance.

S'assurer que le brûleur et le compartiment des commande sont propres. Voir les instructions d'installation et d'utilisation qui accompagnent l'appareil.

IGN

Vision Gas Fireplace Listing Label for 24VBM Burner



WARNING

Label all wires prior to disconnection when servicing controls. Wiring errors can cause improper and dangerous operation.

This appliance must be electrically grounded in accordance with local codes, or, in the absence of local codes, with either the National Electrical Code ANSI/NFPA 70, for installations in the U.S. or the Canadian Electrical Code, CSA C22. 1 for installations in Canada.

Electrical work should only be performed by a qualified, licensed electrician. Electric power must be off when making connections or performing any service.

All wiring shall be in compliance with all local, city, and state codes.

ELECTRICAL REQUIREMENTS

VBM Burner

The Vision Gas Fireplace with a **VBM** burner uses a receiver and remote control for its burner operation. The remote control comes with a 9V battery and the receiver is powered by a 120V AC wall adapter.

This installation must provide an approved 120V AC wall receptacle to be placed within the six foot cord limit of the wall adapter.

The receiver should be powered by either the wall adapter or 4AA batteries - not both. **Batteries do not provide an electrical backup for the wall adapter. Using batteries in combination with the wall adapter can damage the receiver.**

24VBM Burner

The Vision Gas Fireplace with a **24VBM** burner is powered by a 24V AC transformer (included) which must be wired to a 120V AC branch circuit. The 24V AC side of the transformer is switched with a customer-supplied, 24V AC-rated switch.

INSTALLATION CLEARANCES

Several issues must be addressed when selecting a suitable location for the Vision Gas Fireplace. Observing the required clearances to combustible materials, the accessibility of the gas supply and the routing of the gas vent must all be considered.

The following clearances to combustible materials must be observed:

- Combustible facing material must **not** be used within the shaded area shown in Figure 1.
- Combustible materials must **not** be located inside the areas defined by the standoffs in Figure 2. Also see Figure 7 in the **FRAMING** section.
- Mantels may be installed provided the top of the mantel is not higher than the combustible limit. If a mantel is required above the combustible limit then **non-combustible** facing must be used up to the top of the mantel.
- Combustible wooden mantels may be installed according to the limits shown in the **MANTEL CLEARANCES** section.

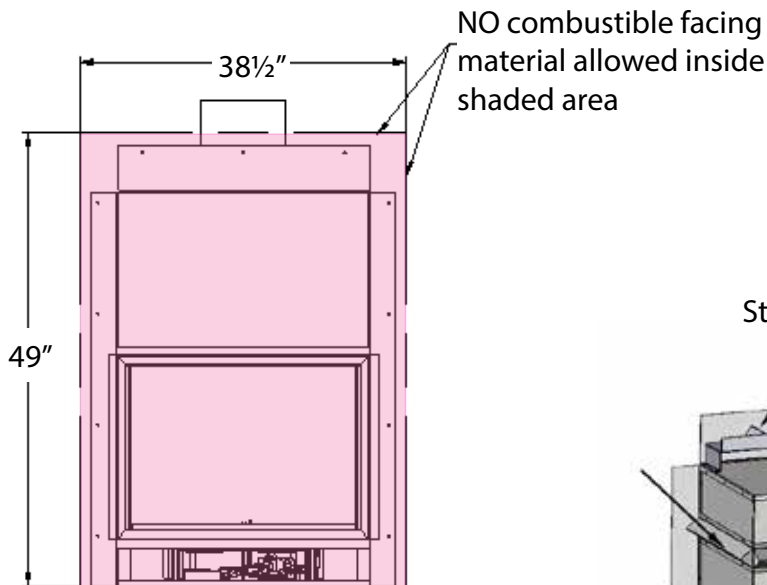


Figure 1

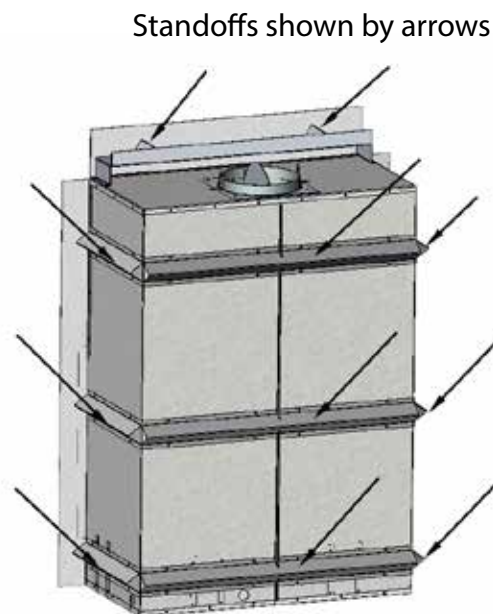


Figure 2

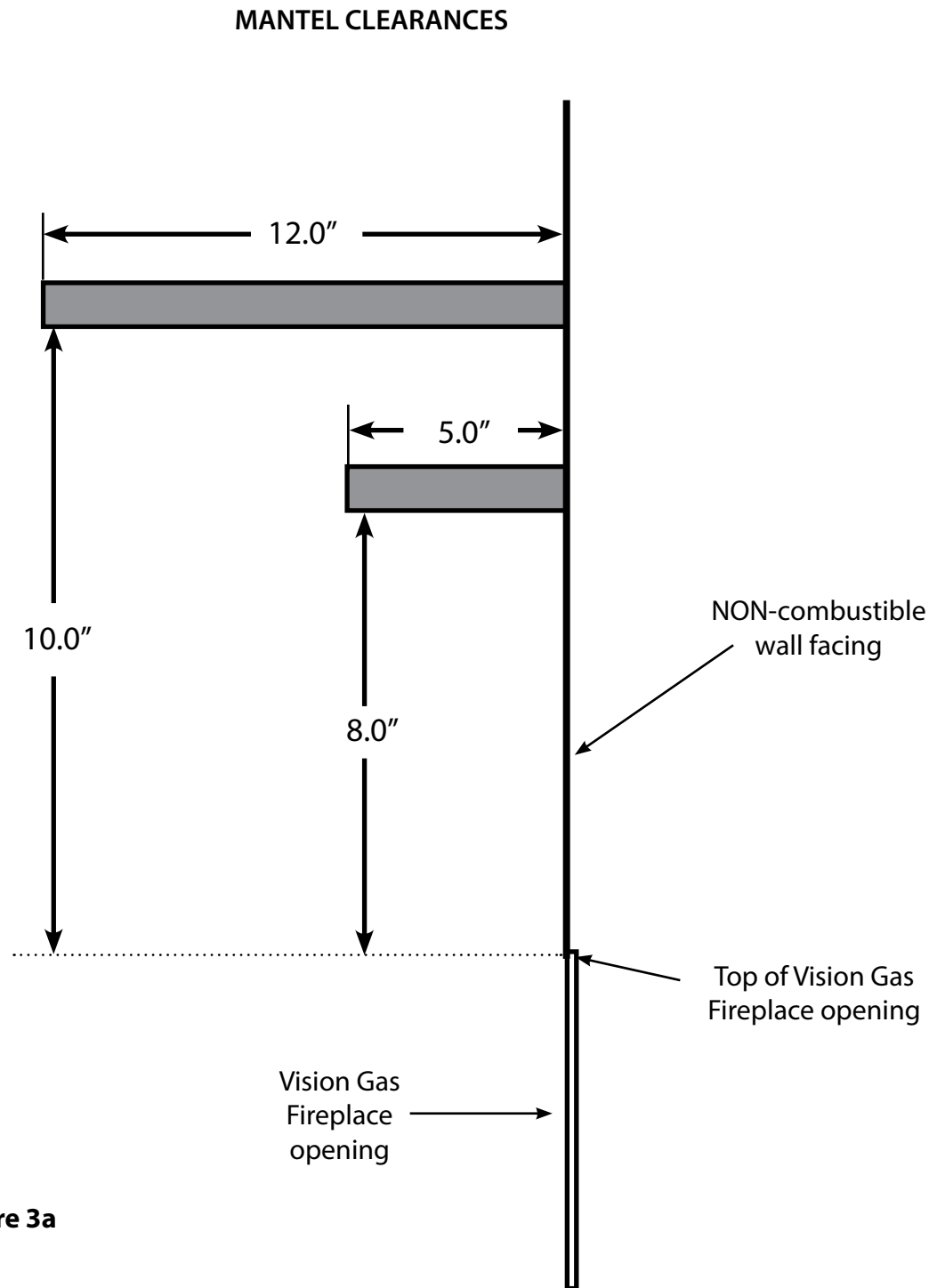
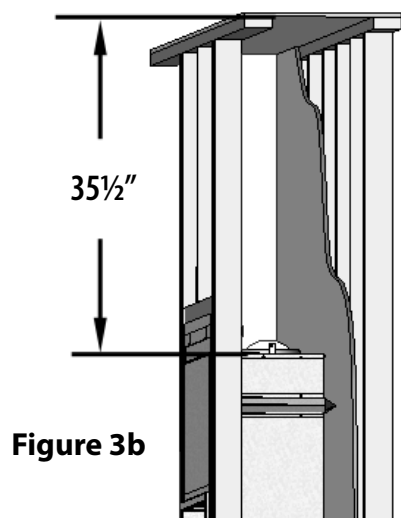


Figure 3a

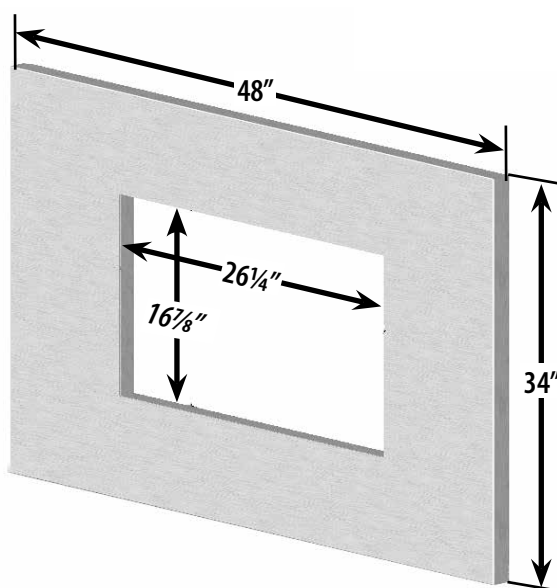
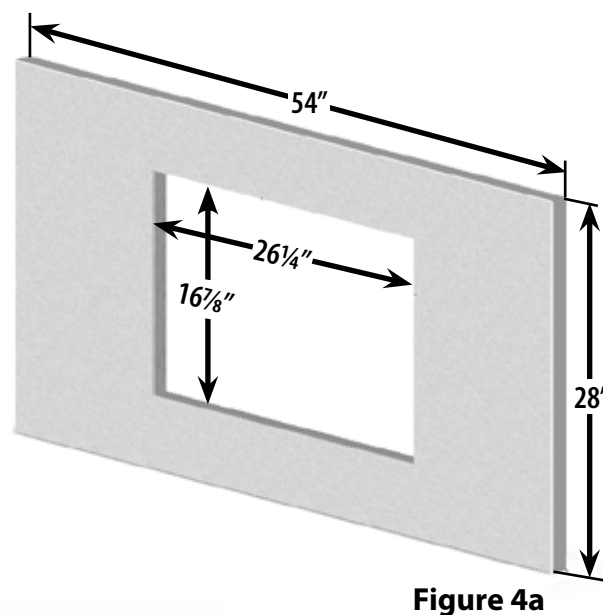
Combustible mantels may be placed no closer to the Vision Gas Fireplace opening than the distances shown in the Figure 3a side view, above.



The fireplace may be raised off the floor provided the top of the fireplace is no closer to the top of the chase, or ceiling, than 35½ inches as shown in Figure 3b.

The optional surrounds have an air slot in the bottom edge. The bottom of the surround must be 1" above the floor or any carpet. The dimensions of the two surrounds are shown in Figures 4a and 4b.

Consider these dimensions when planning the installation height of the Vision Gas Fireplace.



COMBUSTION AIR SUPPLY

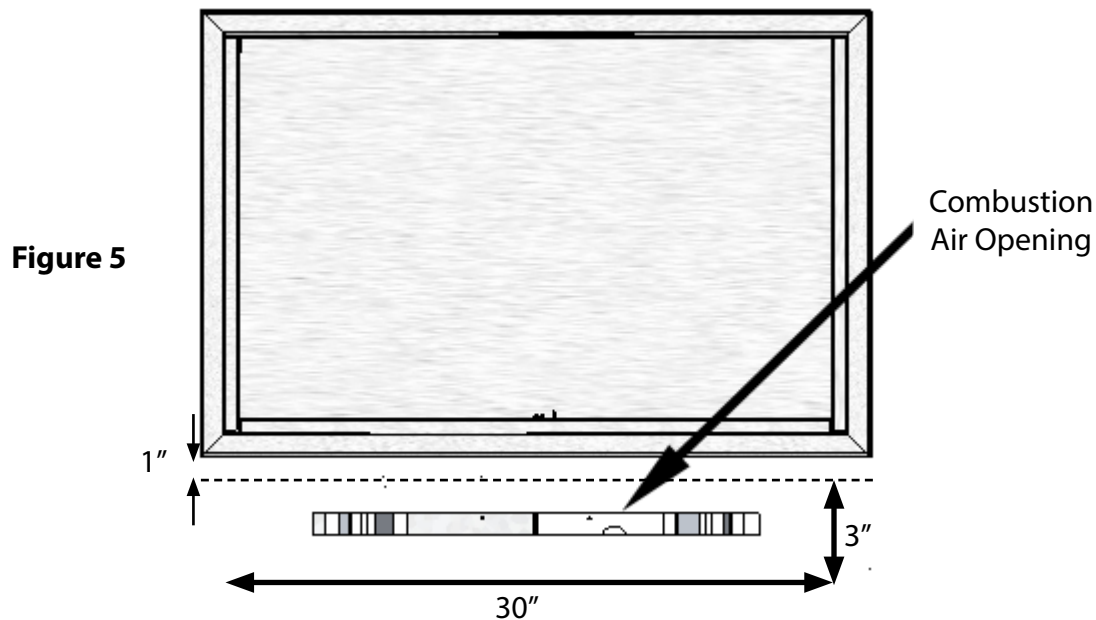
In addition to the air that moves through the firebox opening, combustion air **MUST** also be provided to the base of the flame in the Vision Gas Fireplace using **either one of two** methods:

Method 1- When using a European Home Surround

With this method, a minimum twenty square inch opening is cut in the wall face as shown in Figure 5.

When an optional European Home surround is mounted, this combustion air opening is hidden and air will flow through a cutout in the bottom of the surround.

This combustion air opening should be cut within the 3" by 30" dimensions shown in Figure 5. This 3" x 30" area begins 1" below the bottom of the lower frame trim.



Method 2 - When NOT using Method 1

With this method, the combustion air supply is provided by doing ***all*** of the following:

- **Remove the left side combustion air cover plate.** The cover plate is on the lower left (as you face the fireplace) side of the Vision Gas Fireplace.
- **Within two feet of the cover plate,** cut a twenty square inch, or greater, opening in the wall. This opening **must** be within the shaded area shown in Figure 6 and **must** be in the same room as the Vision Gas Fireplace. Figure 6 shows the left and front opening areas.

If the opening is to be covered with a grille (not supplied), the grille must have a minimum free opening of 20 square inches. ***In all cases, the opening must be at the burner level.***

- **Allow air to flow freely** between your opening and the fireplace cabinet. The opening and the cabinet do not have to be connected by ducting but air must be able to flow freely between the opening and the cabinet. Any materials such as insulation which will impede this free flow of air ***must be removed.***

If a combustion air supply is not implemented correctly, the life of Vision Gas Fireplace components will be shortened.

CAUTION

Do not bring either outside air or air from another room or building level into the wall cavity. The combustion air supply and the flame must be at the same air pressure. While it may be tempting to design a combustion air supply which is connected to another room, or level, of your building, this mistake will create drafts and air movements that cause erratic fireplace operation.

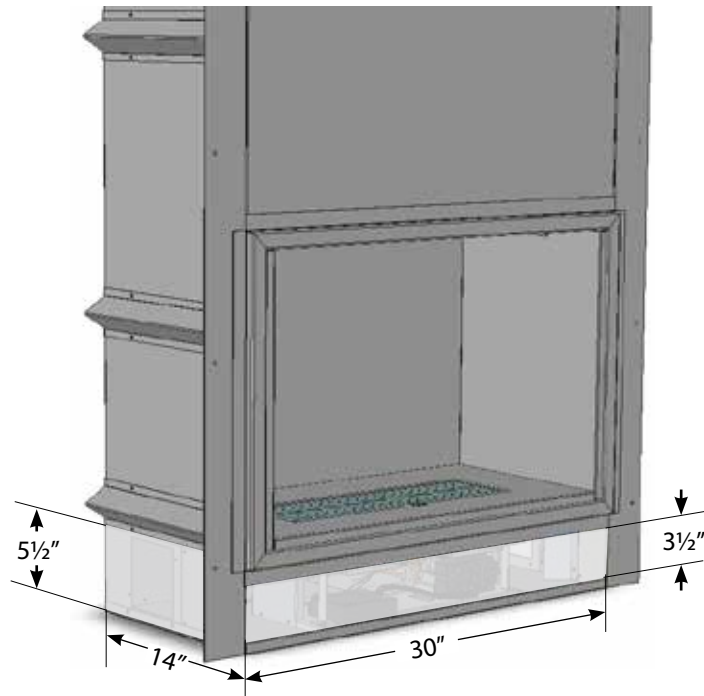


Figure 6

NOTE!

Bringing in Outside (or “Make-up”) Air

An outside air supply and a combustion air opening serve two *different* purposes. Outside air ensures a fresh supply of air to the *room*; a combustion air opening ensures a fresh supply of air to the *flame*.

Many building code jurisdictions require that outside or “make-up” air be provided when installing a fireplace of this type. This requirement can be satisfied by the proper installation of an ‘outside air kit’ which is not provided. The final determination of the suitability of any particular kit must be made by the installer.

If an outside air supply is desired it should be *added to the room* in which the Vision Gas Fireplace is installed, *not to the chase* enclosing the Vision Gas Fireplace.

If outside air is introduced into the chase, competing air pressures could compromise the operation of the Vision Gas Fireplace.

Whether or not you add an outside air supply to your room, **IN ALL CASES, YOU MUST ADD THE PROPER COMBUSTION AIR SUPPLY TO THE VISION GAS FIREPLACE!**

FRAMING

When wooden framing is used around the Vision Gas Fireplace opening it must be 2x4 framing **ONLY**.

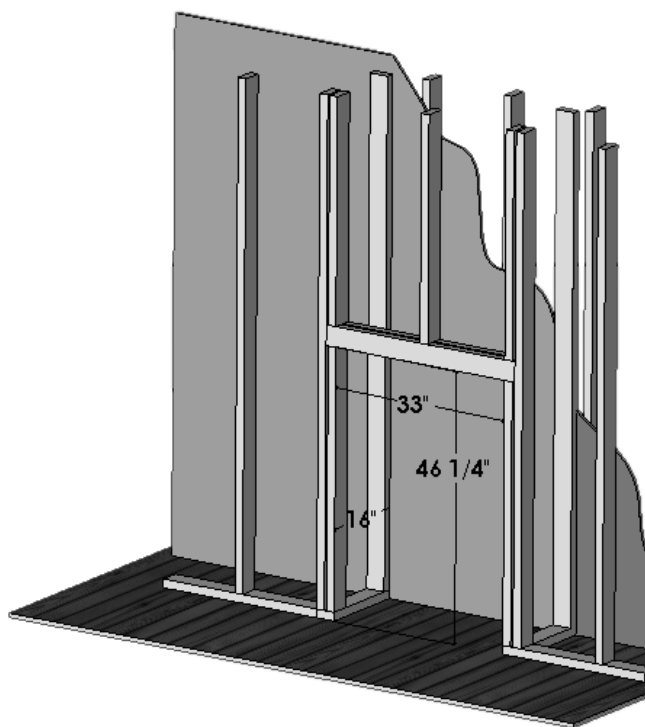


Figure 7

Figure 7 shows the minimum chase opening of 33" wide, 46 1/4" high and 16" deep.

Figures 8, 9a and 9b show typical framing construction.

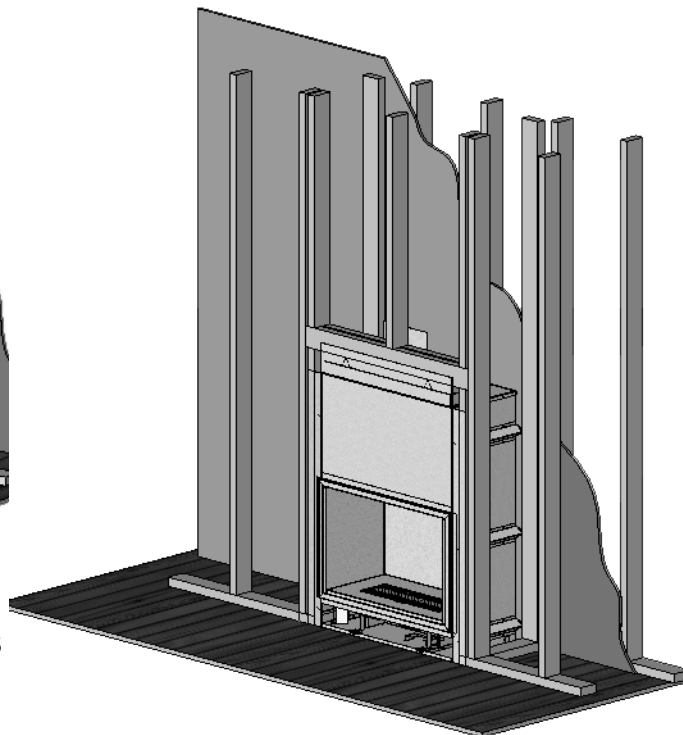


Figure 8



Figure 9a

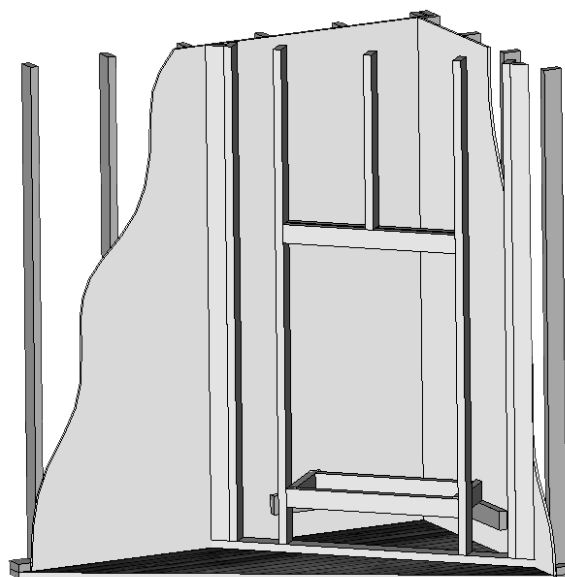


Figure 9b

INSTALLING THE FIREPLACE

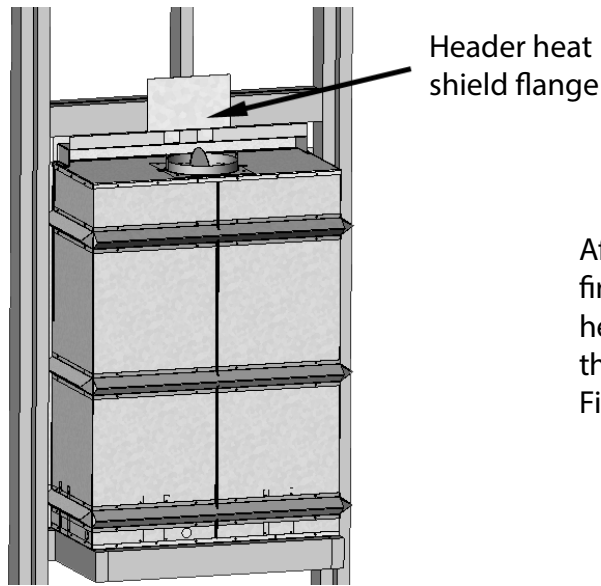


Figure 10

After the framing has been completed, the fireplace can be installed. Place the header heat shield extension on the center of the header heat shield flange as shown in Figure 10.

GAS SUPPLY

Route the gas supply into the fireplace cabinet. The gas supply line must terminate with a male $\frac{1}{2}$ " NPT pipe thread in the shaded area in Figure 11. The gas supply line can be routed through the knock outs provided on the back, sides and bottom of the fireplace. The gas supply piping should have a separate gas shutoff valve and a $\frac{1}{2}$ " NPT plugged tapping up stream of the valve for reading pressure. The Vision and its main control valve must be disconnected from the gas supply piping system during any pressure testing of that system at test pressures in excess of $\frac{1}{2}$ psi (3.5 kPa). The Vision must be isolated from the gas supply piping system by closing the main control valve during any pressure testing of the gas supply system at test pressures equal to or less than $\frac{1}{2}$ psi (3.5 kPa).

Note: This product must be installed by a licensed plumber or gasfitter when installed within the Commonwealth of Massachusetts.

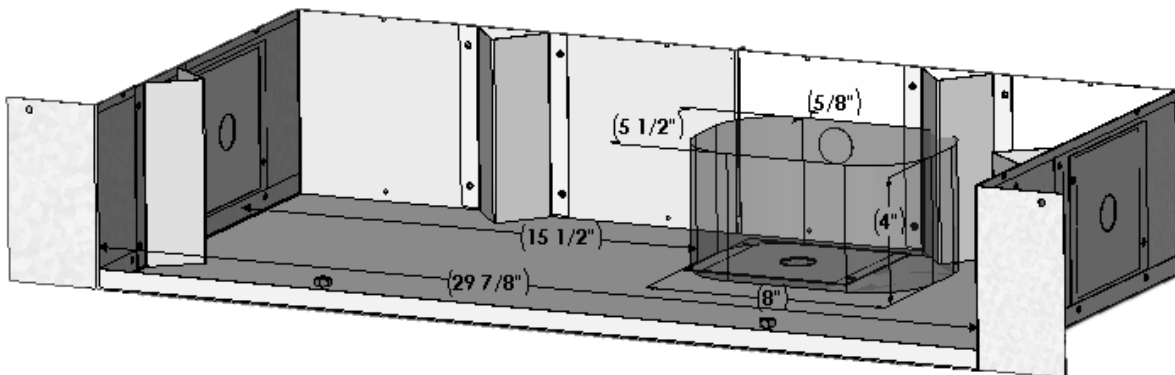


Figure 11

VENTING

The Vision Gas Fireplace must be vented vertically with a listed Type "B" gas vent that is nominally 8 inches in diameter. Any offsets must allow a minimum stack draft of $-0.05''$ w.c. to be maintained.

The minimum vent run is 10 vertical feet from the flue outlet. Vertical runs as high as fifty feet are in compliance. Minimum clearances to combustibles from the vent are listed on the vent pipe and must be maintained. The first piece of venting is a draft hood connector which is available through your vent pipe supplier.

Trim the aluminum extension of the connector to 1 inch from the outer steel pipe as shown in Figure 12. Place the connector on the flue outlet so that the aluminum piece goes inside the flue outlet and the steel piece goes outside.

Screw the two anchoring tabs to the draft hood connector as shown in Figure 13.

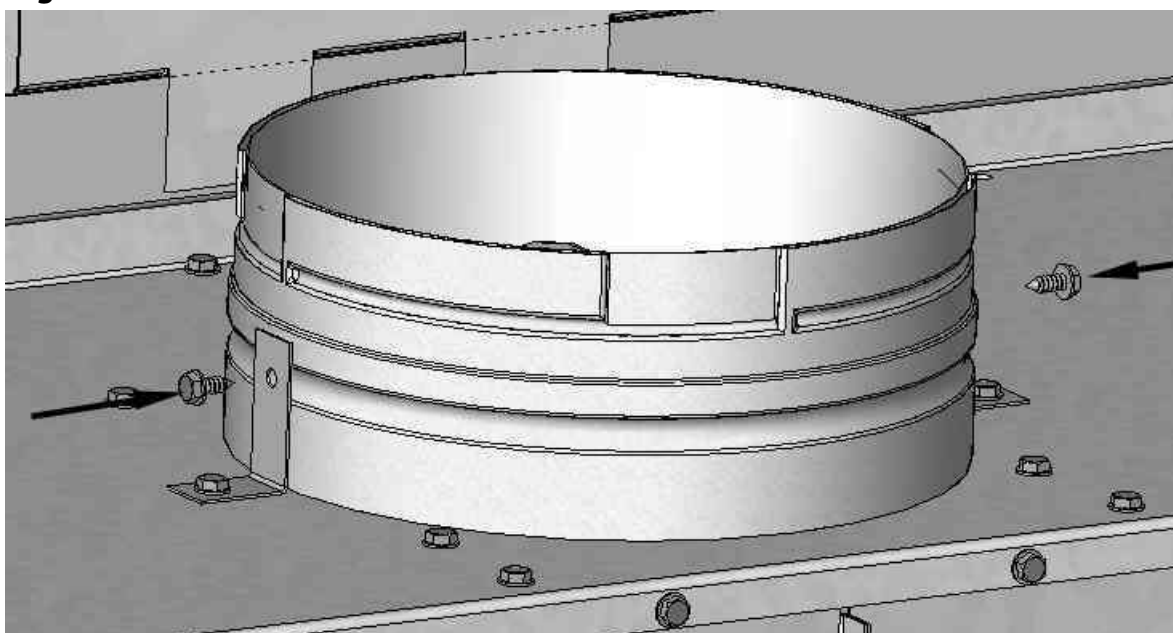
As of this writing, the following are various draft hood connectors by manufacturer:

*AirJet - 8DHC
Amerivent - 08RDC
Hart & Cooley - 8RDH
Metal-Fab - 8MDC
Selkirk - 8RV-DH
Simpson - 8GVC*



Figure 12

Figure 13



FACING

After the gas supply has been routed and the venting has been installed, the front wall or face can be finished.

Non-combustible material must be used in the gray area shown in Figure 14.

Conventional drywall may be used **OUTSIDE** of this area.

The joints can be finished with conventional joint compound and fiberglass mesh joint tape. See Figure 15, below.

Non-combustible material such as stone or tile may be used as a facing. See Figure 16, below.

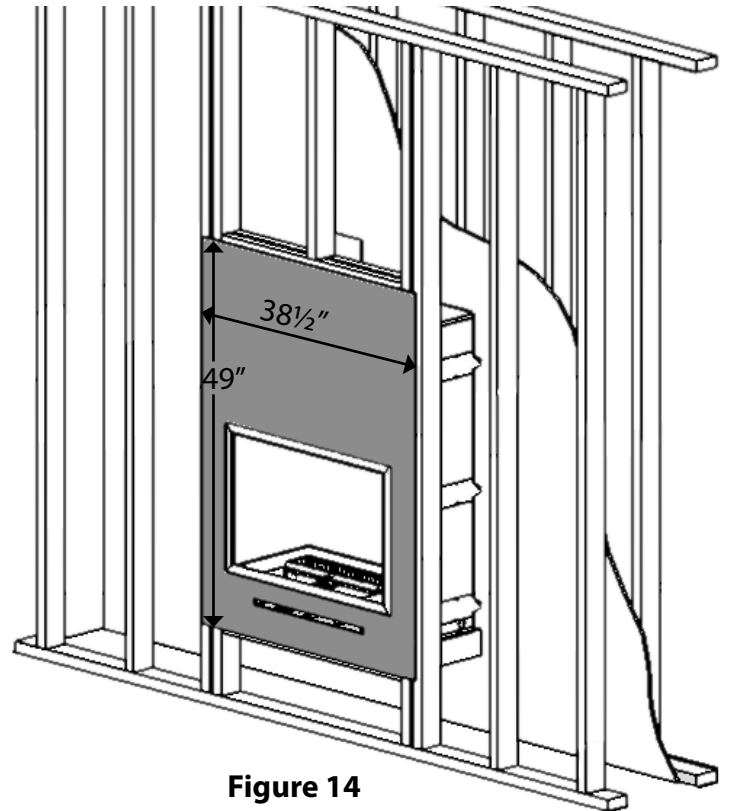


Figure 14

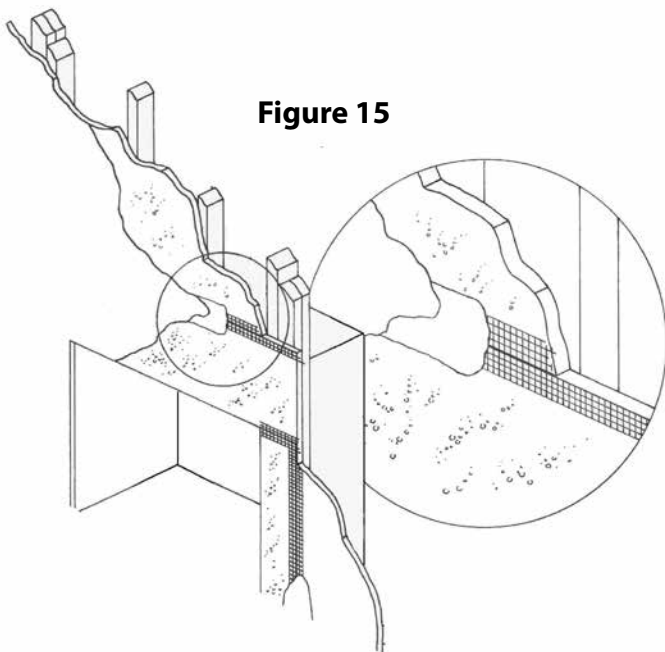


Figure 15

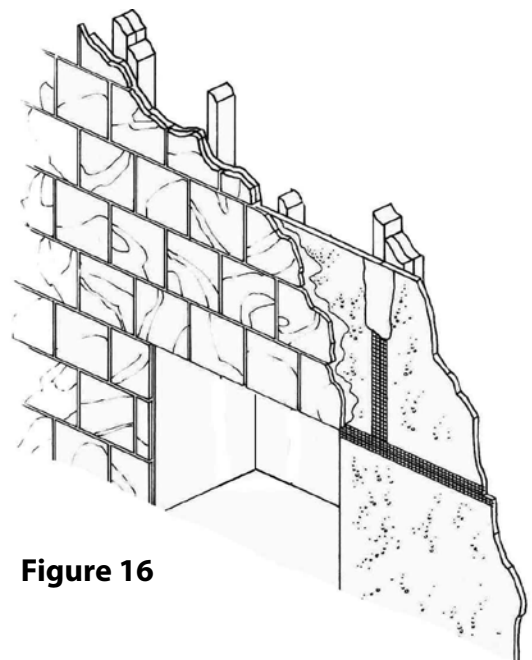


Figure 16



When enclosing your fireplace, the use of non-combustible building materials is required. Please read and understand the following.



COMBUSTIBLE MATERIALS

Materials that can catch fire and burn are considered combustible. Any material that is made of, or faced with, wood, wood pulp, paper, plastic or any other material that can catch fire and burn is considered combustible. Even though these materials may have been 'flame-proofed', made 'fire-resistant' or are 'fire-rated' they are considered combustible. Standard and Type X drywall are both combustible.

NON-COMBUSTIBLE MATERIALS

A given material is said to be non-combustible when it cannot catch fire and burn. For example, materials made entirely, or in combinations, of, stone, brick, concrete, tile, steel, plaster or glass are considered non-combustible.

See the chart below for a list of materials which, as of this writing, are reported by their manufacturers to be **BOTH** non-combustible (in accordance with the ASTM E136 standard) **AND** approved for use around fireplaces.

<i>Product*</i>	<i>Non-combustible</i>	<i>Manufacturer Approved</i>
James Hardie Building Products HardieBacker® ¼" Cement Board	YES	YES
James Hardie Building Products HardieBacker® 500 Cement Board	YES	YES
Promat PROMATECT®-L Insulating Boards	YES	YES
Skamol Skamotec® 225	YES	YES
U.S. Architectural Products Versaroc® Cement Bonded Particle Board	YES	YES
U.S. Architectural Products Cem-Clad® Cement Panel	YES	YES
National Gypsum PermaBase® Cement Board	NO	NO
USG DUROCK® Cement Board Next Gen	YES	NO
CertainTeed Fiber Cement BackerBoard	NO	NO
Custom Building Products WonderBoard® Backerboard	NO	NO
Georgia-Pacific Gypsum DensGlass® Sheathing	YES	NO
Ameriform ARMOROC® Cement Bonded Particle Board	YES	NO

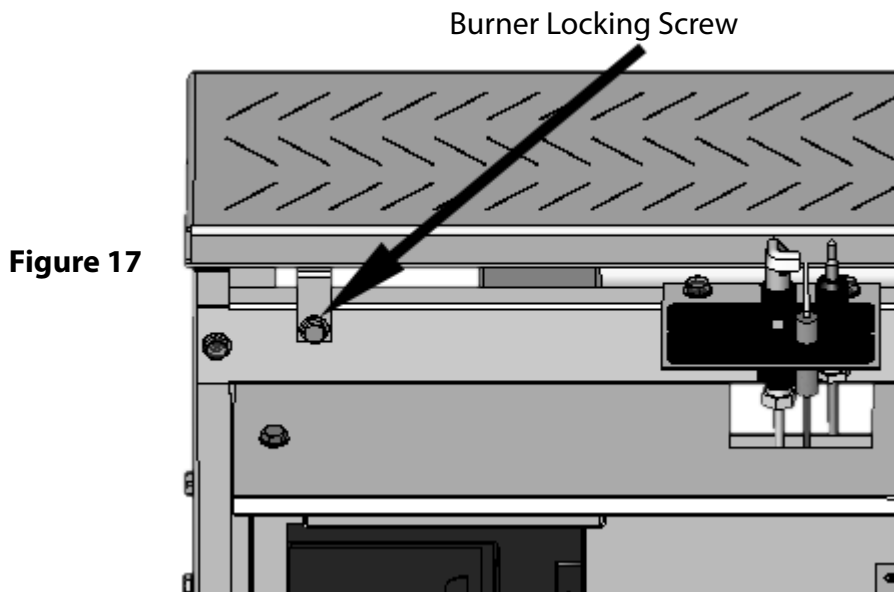
INSTALLING THE BURNER MODULE

Either a **VBM** burner module or a **24VBM** burner module may be installed into your Vision Gas Fireplace. Except for the electrical connections, both burner modules install identically. Where installation differences exist they are noted.

VBM Burner Module – This burner module requires two connections; each end of the blocked flue sensor wiring harness must be connected to the **VBM** burner module.

24VBM Burner Module – This burner module is wired to a 120V AC branch circuit via the 24VBM wiring assembly. The blocked flue sensor wiring harness must be re-terminated for connection to the 24VBM burner.

If the 24VBM Burner Module will be used in a power vented (induced draft) installation please see Appendix A for details.



Remove the burner locking screw (shown in Figure 17) from the burner module. Slide the burner to the left and remove it from the module.

Place the burner module into the fireplace burner well and locate the two holes in the front of the module base onto the two studs on the bottom of the fireplace. Fasten with the two nuts and washers provided. See Figure 18.

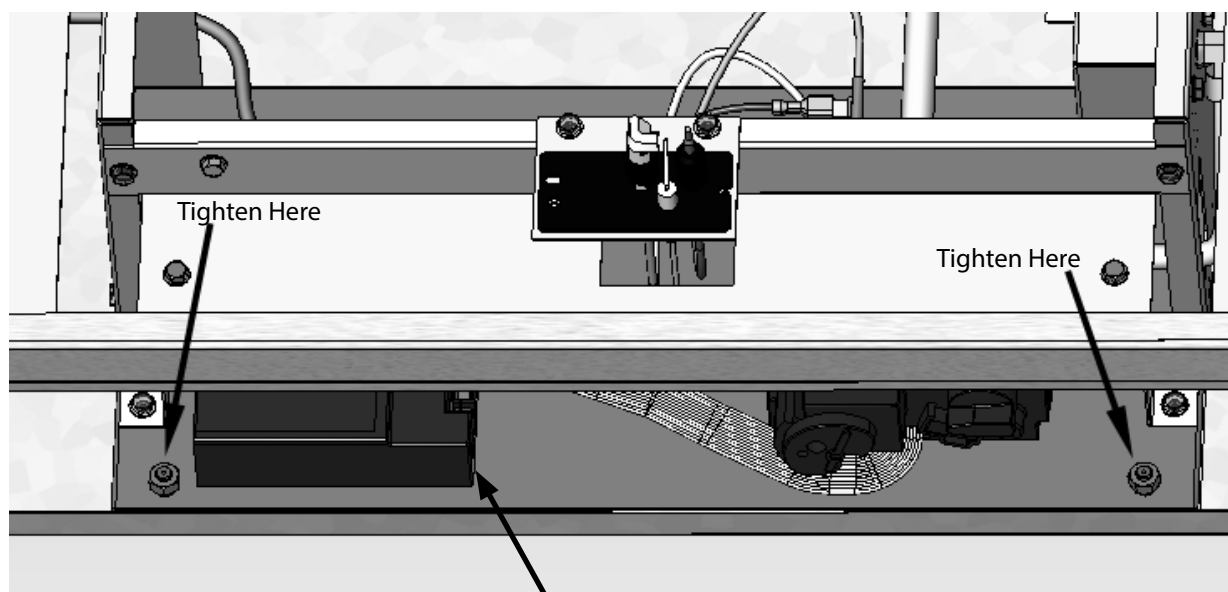


Figure 18

Connect AC wall adapter here.
(VBM burner only)

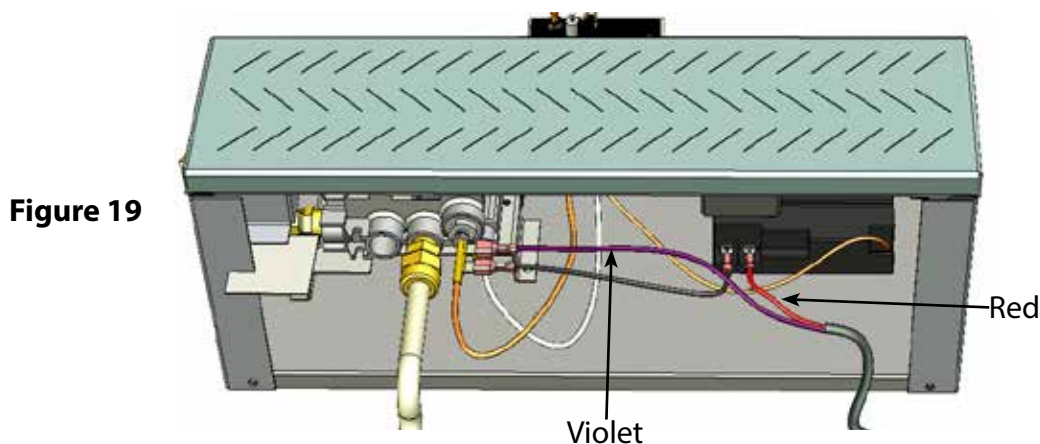


Figure 19

VBM Burner ONLY

Connect the blocked flue sensor wires (red and violet) as shown in Figure 19.

Connect the wall adapter to the receiver as shown in Figure 18 and plug the wall adapter into a 120V AC receptacle.

24VBM Burner ONLY

Refer to Figure 20, Figure 21 and Appendix A for detailed views.

1. Cut the ring terminal off of the red wire of the blocked flue sensor harness leaving as much wire remaining as possible. Strip $\frac{1}{4}$ " of the insulation from the cut end and crimp the enclosed male push terminal onto this stripped end.
2. Connect the red wire (male connector) from the blocked flue sensor harness to the red wire (female connector) of the wiring assembly.
3. Connect the violet wire (female connector) of the blocked flue sensor harness onto the **TR** terminal of the control module.
4. Connect the yellow wire to the **TH** terminal of the control module.
5. Wire the 24V AC transformer to a 120V AC branch circuit observing all applicable codes.
6. Connect the red transformer lead (female) to **24V +** and the green transformer lead (male) to **24V -**
7. Connect the red and white leads (marked **SWITCH +** and **SWITCH -** respectively) to a 24V AC rated switch (not provided.) This switch is referred to as the Flame Switch and it turns the Fireplace on and off.

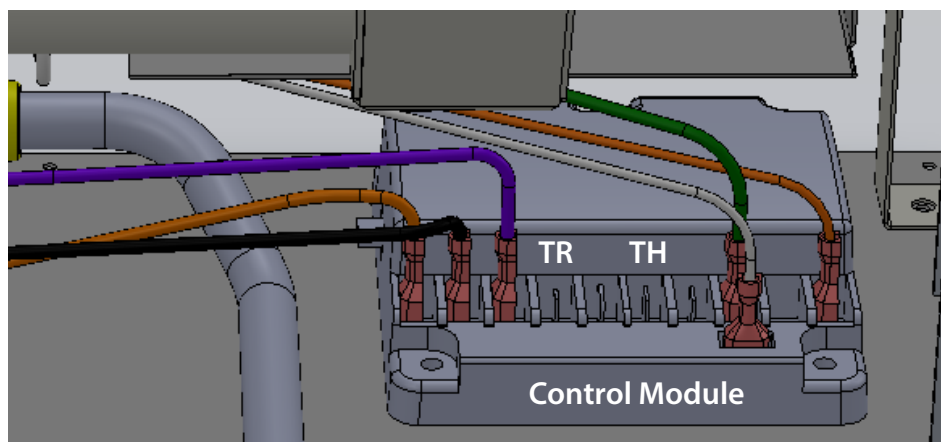


Figure 20

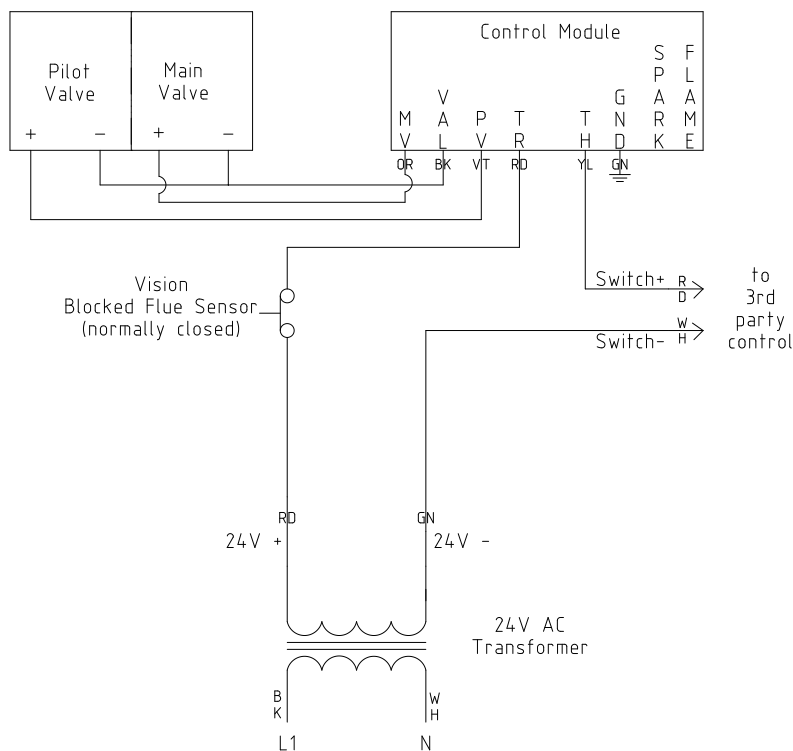
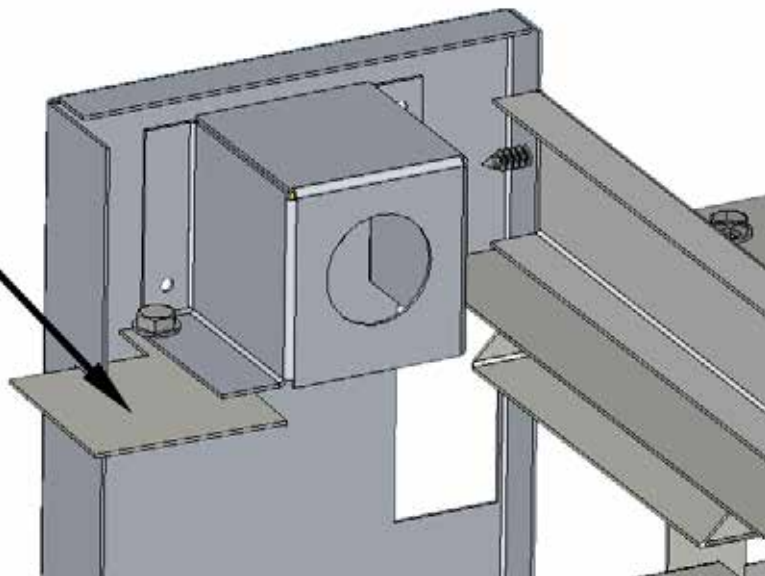


Figure 21

Connect the flexible gas line from the valve to the gas supply pipe. After the gas supply has been connected, open the main supply and apply a leak detection fluid (or gas detector) to all the fittings to check for gas leaks. **Never use a flame to test for leaks.** If you are installing a propane burner, check that the air shutter (see Figure 22) is in the open position. Replace the burner in the burner module. Ensure that the burner inlet tube is in the shutter box and tighten the screw shown in Figure 17.

Air shutter shown in the open position (for propane **only**).

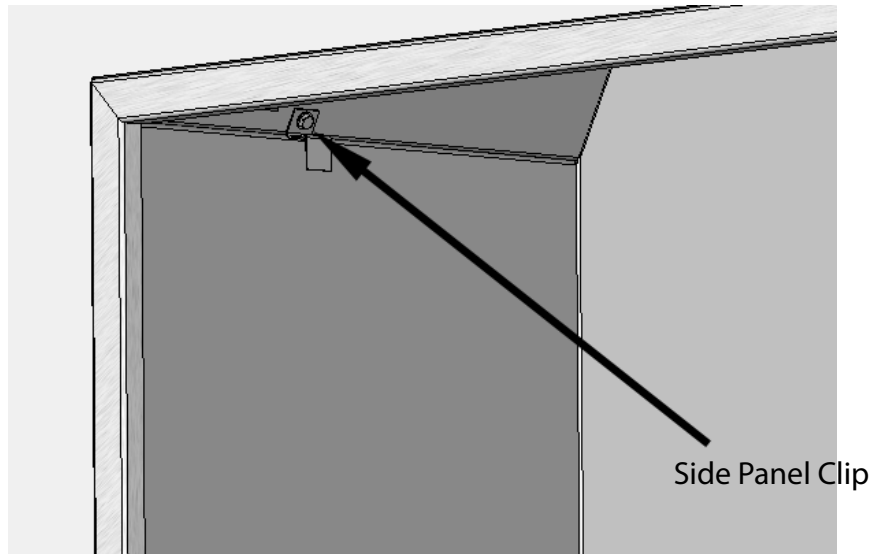
Figure 22



PANEL INSTALLATION

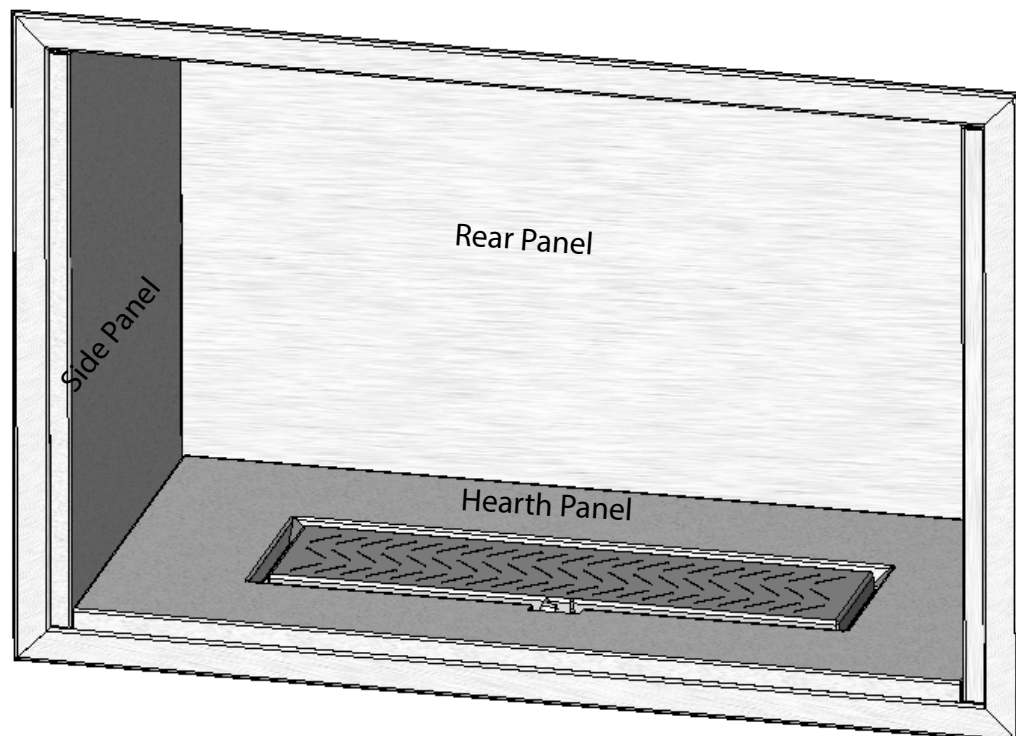
Carefully unpack and lay out the four panels. Remove all plastic coating from the panels. Remove the side panel clips shown in Figure 23.

Figure 23



Remove the rear panel clips and place the rear panel at the back of the fireplace. Reinstall the rear panel clips. Place the side panels on each side of the fireplace. Slide the side panels to the rear and install the panel clips to retain the side panels. Place the hearth panel in the fireplace with the small notch to the front over the pilot as shown in Figure 24.

Figure 24



STONE CONFIGURATION

The Vision Gas Fireplace can be operated with, or without, the decorative stones and/or embers. The following is the recommended stone/ember configuration. Slight differences in the placements are acceptable.

When using the stones and embers, begin by placing one layer of the embers evenly over the entire burner top as shown in Figure 25.



Figure 25

Sort your stones, by size, into sixteen small, three medium and four large. Place a row of six small stones along the rear edge of the burner as shown in Figure 26.

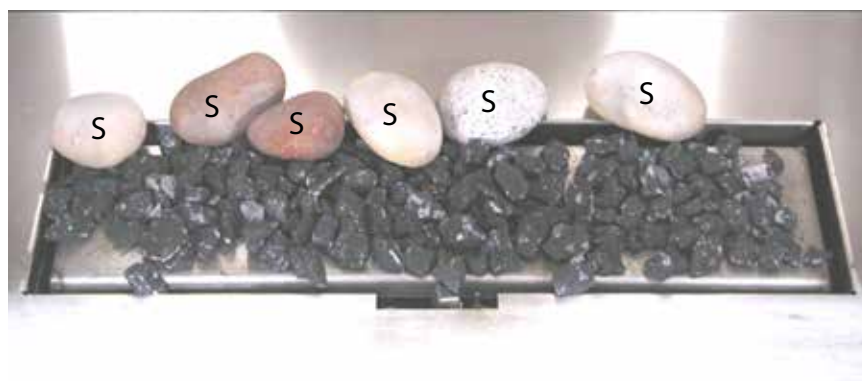


Figure 26

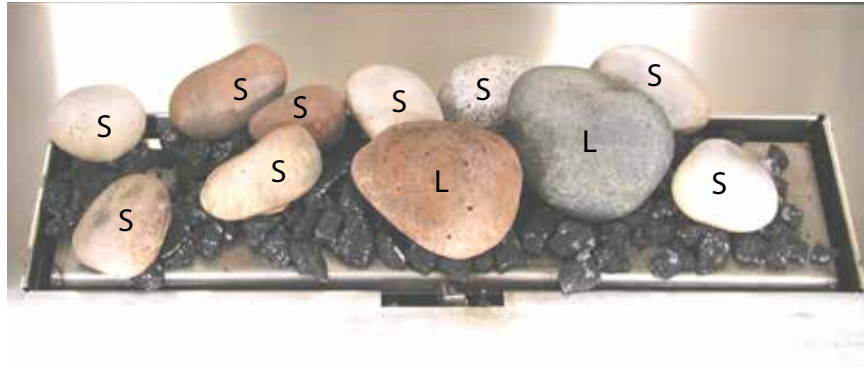


Figure 27

Next, place two large stones and three small stones on the burner as shown in Figure 27. Then place two medium and four small stones along the front edge of the burner as shown in Figure 28.

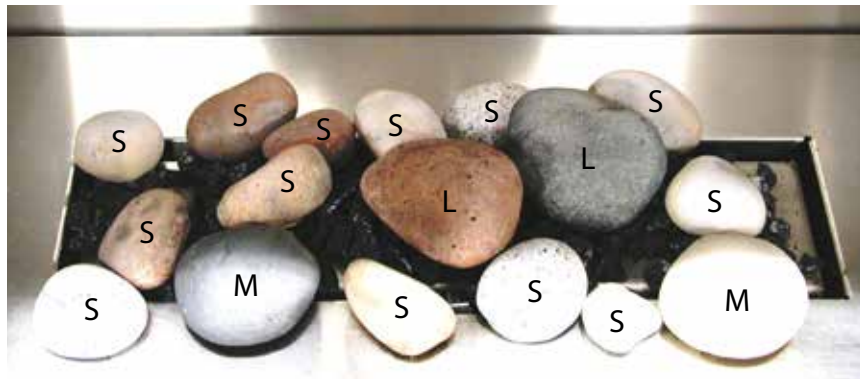


Figure 28



Figure 29

Finally, place the remaining two large, one medium and three small stones on top as shown in Figure 29.

SURROUNDS

There are several optional surrounds available for the Vision Gas Fireplace. Ensure that the surround model is correct for the fireplace installation so the combustion air is not blocked. Attach the surround mounting brackets per the instructions included with the surround and hang the surround on the brackets.

LIGHTING INSTRUCTIONS

Before the fireplace can be placed into operation, the flue damper must be in the open position. Slide the damper actuating arm to the right to open the damper as shown (from the inside) in Figure 30.

The Vision Gas Fireplace has a blocked flue sensor which may the fireplace operation.

The blocked flue sensor turns off the fireplace if the damper is closed (or the flue is otherwise blocked) when the fireplace is in operation.

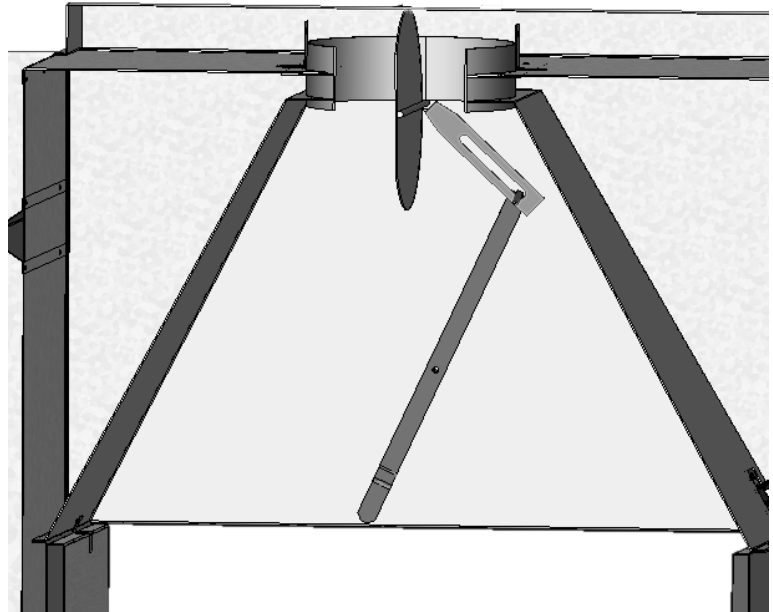


Figure 30

FOR YOUR SAFETY READ BEFORE LIGHTING

WARNING: If you do not follow these instructions exactly, a fire or explosion may result causing property damage, personal injury or loss of life.

A. This appliance is equipped with an ignition device which automatically lights the pilot. Do not try to light the pilot by hand unless supervised by European Home Technical Support.

B. BEFORE LIGHTING, smell all around the appliance area for gas. Be sure to smell next to the floor because some gas is heavier than air and will settle on the floor.

WHAT TO DO IF YOU SMELL GAS

- Do not try to light any appliance.
- Do not touch any electric 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.

C. Do not use this 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 which has been under water.

VBM Burner Only

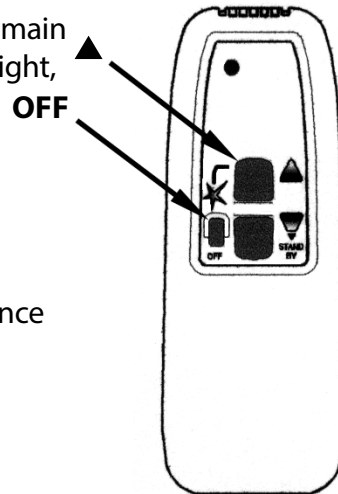
The **VBM** burner module has two safety features which affect the operation:

- 1) two-button child safety ignition
- 2) 45 second safety timer

The safety ignition requires that two buttons be depressed to begin the ignition sequence and the timer requires that 45 seconds elapse between start attempts.

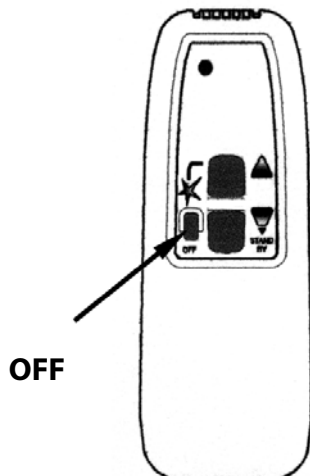
LIGHTING THE FIRE

1. STOP! Read the safety information on page 31.
2. This appliance is equipped with an ignition device which automatically lights the pilot. Do not try to light the pilot by hand.
3. Push the **OFF** button on the remote control and ensure the appliance is off.
4. Wait five (5) minutes to clear out any gas. Then smell for gas including near the floor. If you smell gas, STOP! Follow "B" in the Safety Information on page 31. If you don't smell gas, go to the next step.
5. Press the **OFF** and ▲ buttons simultaneously. Release the buttons once you hear a beeping noise. This acoustic signal tells you that the start sequence has begun. Further short signals will continue until main gas flows and the burner is lit. If the pilot or burner does not light, go back to Step 3, above.
6. Use the up and down arrows to adjust the flame height.



TO TURN OFF THE APPLIANCE

Push the **OFF** button on the remote control to turn the appliance off.



24VBM Burner Only

LIGHTING THE FIRE

1. STOP! Read the safety information on page 31.
2. This appliance is equipped with an ignition device which automatically lights the pilot. Do not try to light the pilot by hand.
3. Set the Flame Switch to OFF.
4. Wait five (5) minutes to clear out any gas. Then smell for gas including near the floor. If you smell gas, STOP! Follow "B" in the Safety Information on page 31. If you don't smell gas, go to the next step.
5. Set the Flame Switch to ON. The system will spark to light the pilot flame. When the pilot flame is lit the main burner will light.
6. If the pilot flame does not light, go back to Step 3, above.

TO TURN OFF THE APPLIANCE

Set the Flame Switch to OFF to turn off the appliance.

MAINTENANCE

A qualified service agency should conduct an annual inspection and maintenance of your Vision Fireplace, its venting, and the installation to keep it running safely. The following procedures should be performed only by a qualified service person. The gas supply should be turned off whenever a maintenance procedure is performed. All parts of the fireplace that are removed for servicing must be replaced prior to operation.

Cleaning the Stones and Burner.

With all parts of the fireplace at room temperature, carefully remove and clean the stones with a soft bristled brush. Never use a vacuum cleaner to clean the stones. Clean the burner surface with a brush. Replace the components according to the **STONE CONFIGURATION** section of this manual.

Inspecting the Venting

An inspection of the vent pipe and termination should be made as part of the annual service appointment. The venting must have no blockage and be in good repair. The vent manufacturer's instructions may provide specific details on vent inspection. Any vent sections that are disassembled must be reassembled and sealed as required.

Resetting the VBM System

The Vision Gas Fireplace with a VBM burner should need to be reset only once, prior to initial use. This is done as follows:

1. Press and hold the receiver reset button until you hear the second of two beeps.
2. After the second beep release the reset button and, within twenty seconds, press the ▼ button on the remote until you hear the second of two beeps.

Begin any normal course of troubleshooting with this reset procedure. This reset procedure is not required with a 24VBM burner

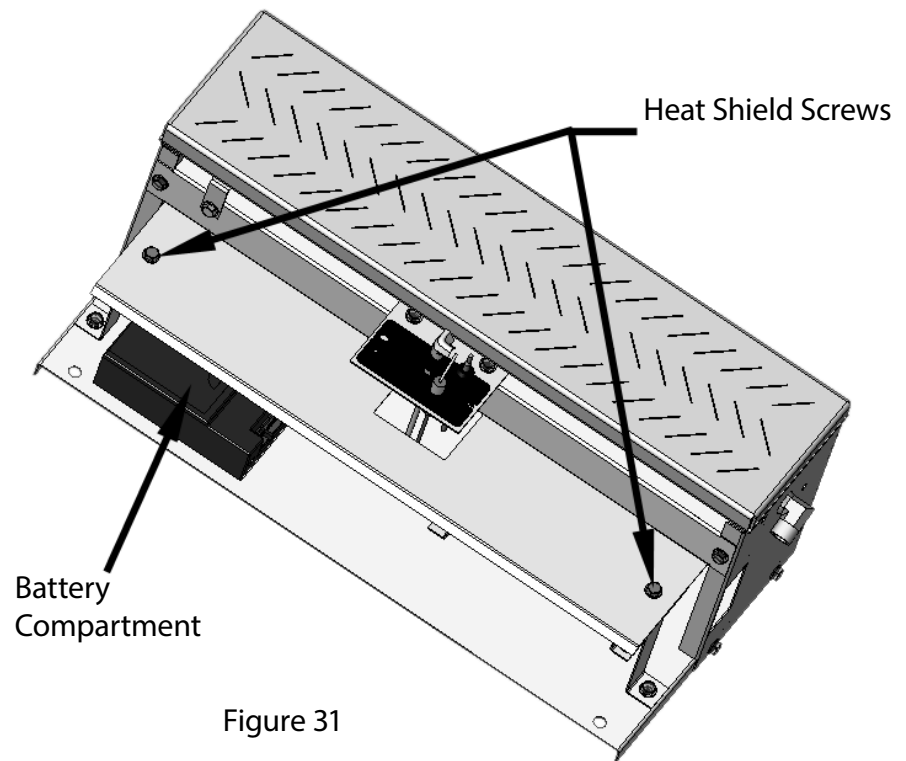


Figure 31

Replacing the Batteries

If your Vision Gas Fireplace operates on batteries and NOT a wall adapter, follow these yearly replacement instructions.

With all parts of the fireplace at room temperature, remove the stones. Lift out the bottom liner panel from the fireplace. Remove the two screws and the valve heat shield as shown in Figure 31 to access the control module on the left side. Replace the old batteries with four high quality AA alkaline batteries.

Re-install the heat shield and bottom liner panel.

VBM TROUBLESHOOTING

OBSERVED PROBLEM:	POSSIBLE CAUSE:	REMEDY:
A. No transmission (motor does not turn)	1. Receiver must learn new code.	1. Reset system as above.
	2. Dead batteries.	2. Replace batteries.
	3. The receiver is surrounded by metal, reducing the transmission range.	3. Change the position of the antenna.
	4. Receiver	4. Replace receiver and reprogram code as above.
	5. Transmitter	5. Replace the transmitter and reprogram code as above.
	6. Wiring at valve damaged.	6. Replace valve.
	7. Bent pins on 8 wire connector.	7. Straighten pins on 8 wire connector.
B. No ignition; no tone	1. Dead batteries.	1. Replace batteries.
	2. Receiver	2. Replace the transmitter and reprogram code as above.
C. No ignition; one 5 second continuous tone (7 short beeps might be heard prior to the 5 second tone)	1. Loose wire.	1. Secure wire.
	2. Receiver	2. Replace receiver and reprogram code as above.
	3. Bent pins on 8 wire connector.	3. Straighten pins on 8 wire connector.
	4. Valve	4. Replace valve.
D. No pilot flame and control continues to spark	1. Air in the pilot supply line.	1. Purge the line or start ignition several times.
	2. No spark at pilot burner.	2. Check spark gap; check wiring connection. Check for spark in location along cable.
	3. Valve	3. Replace valve. Do not over tighten the thermocouple.

OBSERVED PROBLEM:	POSSIBLE CAUSE:	REMEDY:
D. No pilot flame and control continues to spark	4. Over tightened thermocouple.	4. Replace valve and thermocouple interrupter.
	5. Receiver	5. Replace receiver and reprogram code as above.
E. Pilot is lit and control continues to spark. Valve shuts off after 10-30 seconds. Valve operates manually.	1. Receiver	1. Replace receiver and reprogram code as above.
F. Pilot is lit and sparking stops. Valve shuts off after 10-60 seconds. Valve does not operate manually.	1. Not enough voltage generated from the thermocouple or too much resistance in the circuit.	1. Use a digital multimeter set in the mV range and measure the voltage between the spade connector closest to the thermocouple (-) and thermocouple tube (+) itself. The reading should be 21-30 mV.
	2. Thermocouple	2. Replace thermocouple.
	3. Low inlet pressure.	3. Confirm regulator pressure and sizing. Replace if necessary.
	4. Valve	4. Replace valve. Do not over-tighten the thermocouple.
G. Three short beeps while the motor turns.	1. Batteries are low.	1. Replace batteries.
H. Pilot flame lights but there is no main gas flow.	1. Manual override knob is in MAN position.	1. Turn manual override knob to ON position (see figure 4).
	2. Valve turned down to pilot flow.	2. Turn flame to high fire by pressing up button on remote control.
	3. Low inlet pressure.	3. Confirm regulator pressure, and sizing. Replace valve if necessary.
	4. Valve.	4. Replace valve.

24VBM TROUBLESHOOTING



WARNING

*Label all wires prior to disconnection when servicing controls.
Wiring errors can cause improper and dangerous operation.*

Any repair and troubleshooting of the Vision Gas Fireplace must be done by a qualified technician only.

Since the LED on the control module is hard to see after the Fireplace has been installed, the following assumes that the 24VBM Burner Assembly has been safely connected to a test bench and that all appropriate safety precautions are being observed.

For proper operation, the control module must be electrically connected to the gas valve and all the ignition wiring connectors plugged in.

The LED light on the control module provides a self-diagnosis indication. If the red LED is off continuously, the fault is likely to be internal to the module. To make sure, interrupt the line or 24 volt power for 10 seconds, check program key installation and then restore. If the internal fault is indicated again, and flame sensor is not shorted to ground, replace the control module. A flashing light indicates the problem is most likely in the external components or wiring. See LED Code Table, below. Proceed as follows:

Visual checks

1. After the purge delay (if applicable) the pilot valve opens and the ignition spark starts
2. The pilot burner flame will light
3. The ignition spark stops and the main valve opens
4. The main burner flame will ignite

LED	Condition
Solid ON	Normal - Control Module ON
One Flash	False Flame Signal
Two Flashes	No Flame Detected
Three Flashes	Safety Drive Fault
Four Flashes	PV Drive Fault
Five Flashes	MV Drive Fault
OFF	No Power - Internal Fault

LED Code Table



Make a periodic visual inspection of the pilot and main burner flames.
The flames should look similar to those in the picture above.

PARTS LIST

Burner Module, NG	VBM-NG-01
Burner Module, LP	VBM-LP-01
Stone Kit	VPK-01
Pilot Assembly	VPA-01
Vent Safety Switch	VVSS-01
Stainless Liner Kit	VSLK-01
Small Stainless Surround	VSSS-01
Large Stainless Surround	VLSS-01
Small Stone Surround	VSST-01
Large Stone Surround	VLST-01

For replacement parts and customer service, contact:

EUROPEAN HOME

a division of Europa Ja, Inc.

376 Washington St.
Suite 203
Malden, MA 02148

tel: 781/324-8383
fax: 781/324-8384
www.europeanhome.com

European Home Warranty Vision and Gas Stones Family of Products

European Home warrants the Vision, Vision Vent Free, Gas Stones and Gas Stones Vent Free burners against defects in materials and workmanship for a period of ONE (1) YEAR from the date of original retail purchase. We warrant the Vision cabinet, Vision Vent Free cabinet, Fusion Basket and Beach Stones against defects in materials and workmanship for a period of FIVE (5) YEARS from the date of original retail purchase. If a defect exists, European Home will, at its option, either (1) repair the product at no charge, using new or refurbished replacement parts or (2) exchange the product with one which is new or which has been manufactured from new or serviceable used parts and is at least functionally equivalent to the original product. A replacement product/part assumes the remaining warranty of the original product or ninety (90) days from the date of replacement or repair, whichever provides longer coverage for you. When a product or part is exchanged, any replacement item becomes your property and the replaced item becomes the property of European Home.

Nothing in the above shall be deemed to imply that this warranty shall apply to work which has been abused or neglected or shows evidence of changes or modifications by others with or without permit, damages caused by the acts of God, building settlement or moving, fire or vandalism. In addition, installation of this product that varies from the requirements stated in the instruction manual will void the warranty.

European Home is a division of Europa Ja, Inc.

PRODUCT INSTALLATION RECORD

Installer: Please complete this form.

Customer: Please retain this information.

Purchased From	
Date of Purchase	
Installed By	
Date of Installation	
Fireplace Serial Number	
Fuel Type	

APPENDIX A

Third-Party Connections

The **24VBM** Burner Module was designed to be easily operated by power vent controllers or home automation systems. Before any of these third party systems can be connected, the following steps **MUST** be performed.

Step 1. Re-terminate Harness

The Vision Gas Fireplace cabinet comes with a blocked flue sensor and attached wiring harness. The harness runs down from the sensor and lays at the bottom of the cabinet. The ring terminal on the red wire must be replaced with the included ¼" push terminal.

- Cut the ring terminal off of the red wire of the blocked flue sensor harness leaving as much wire remaining as possible. Strip ¼" of the insulation from the cut end and crimp the enclosed male push terminal onto this stripped end. See Figure A-1.

Step 2. Connect Burner Control Module

- Connect the red wire (male connector) from the blocked flue sensor harness to the red wire (female connector) of the wiring assembly.

*- Connect the violet wire (female connector) of the blocked flue sensor harness onto the **TR** terminal of the control module.*

*- Connect the yellow wire to the **TH** terminal of the control module. See Figure A-2.*

Step 3. Transformer Connection

- Wire the 24V AC transformer to a 120V AC branch circuit observing all applicable codes.

*- Connect the red transformer lead (female) to the wire marked **24V +** and the green transformer lead (male) to the **24V -**wire. See Figure 21 for a complete electrical schematic diagram.*

At this point the **24VBM** is wired and ready for control. Connect the red and white leads (marked **SWITCH +** and **SWITCH -** respectively) to a DRY CONTACT CLOSURE (not provided.) Do NOT energize these leads beyond what is described in these instructions.

In a power vented application **SWITCH +** and **SWITCH -** are wired to a DRY CONTACT controller which will release the burner for operation after the draft has been proven.

In a home automation application **SWITCH +** and **SWITCH -** are connected to a DRY CONTACT switch that is controlled by the home automation system.

See your power vent controller or home automation system instructions for further details

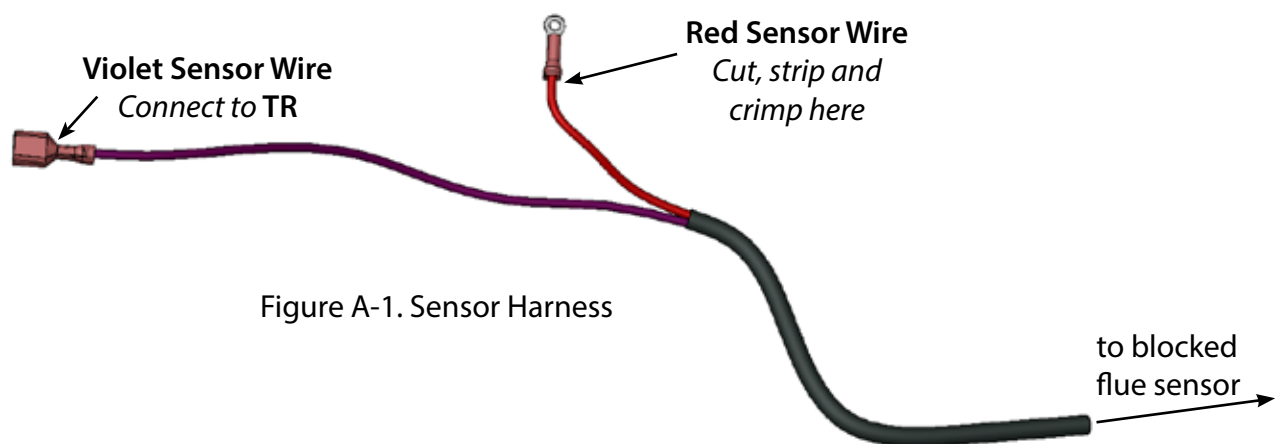


Figure A-1. Sensor Harness

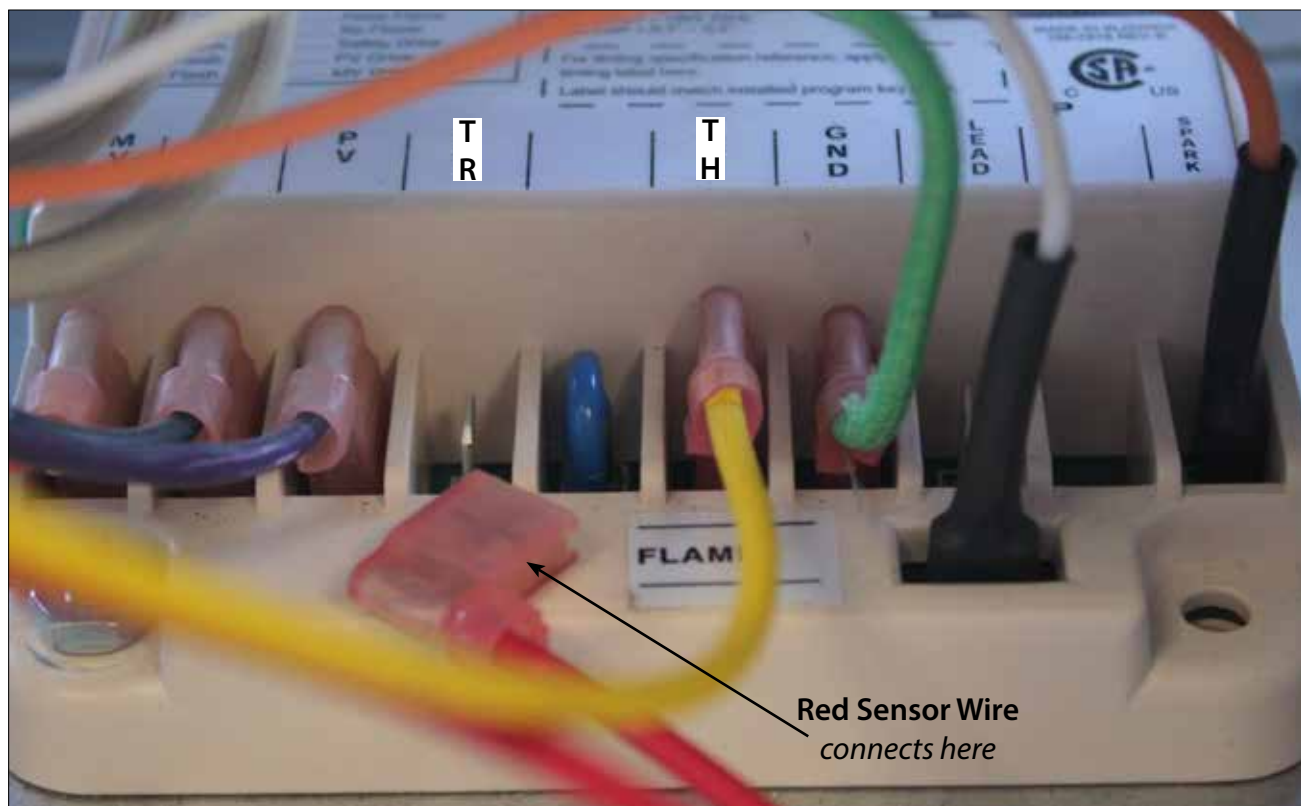


Figure A-2. Control Module Connections

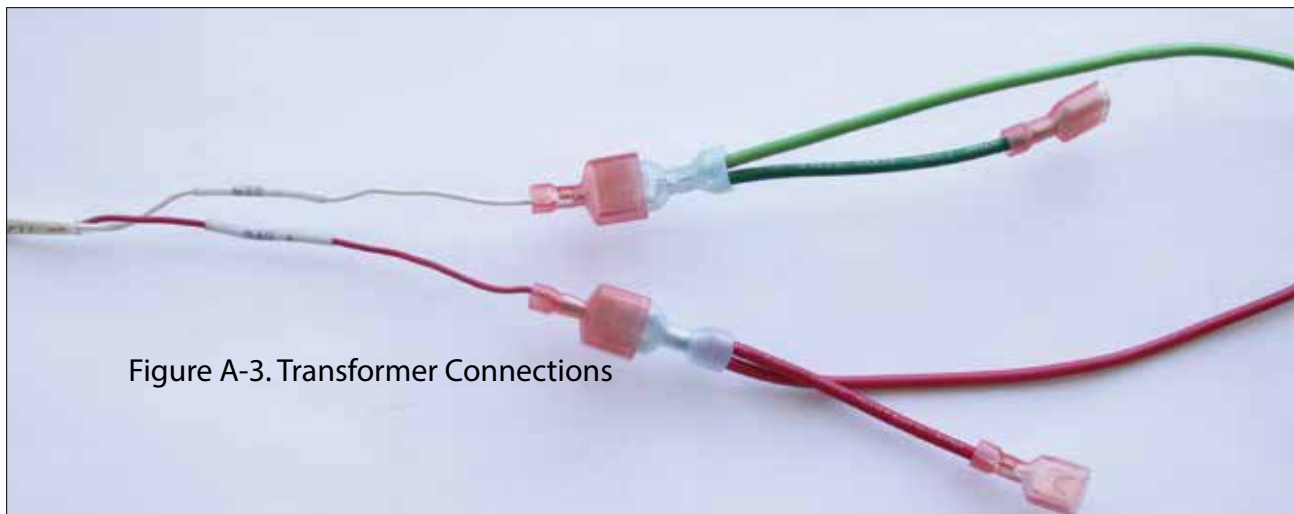


Figure A-3. Transformer Connections

APPENDIX B

Power Venting the Vision Gas Fireplace

The EUROPEAN HOME Vision Gas Fireplace is approved for use with either one of two Enervex brand power vent models; the RS-009 or the RSIF-146. These power vents are manufactured by Enervex Inc. and are available through European Home. The RS-009 is an externally-mounted fan which may be mounted on a wall or roof; the RSIF-146 is an internally-mounted fan which may be used with a wall or roof termination but which **MUST** be mounted indoors.

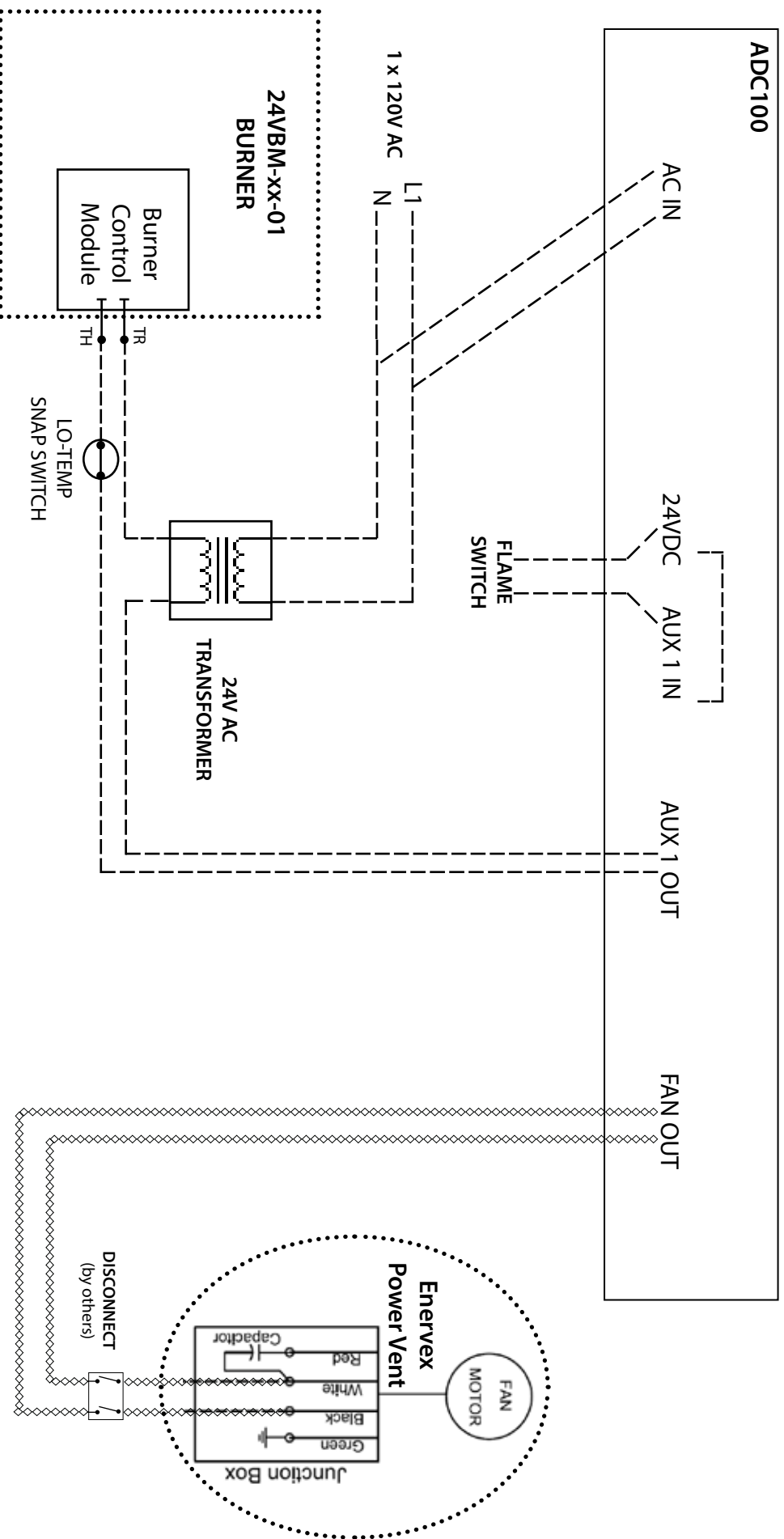
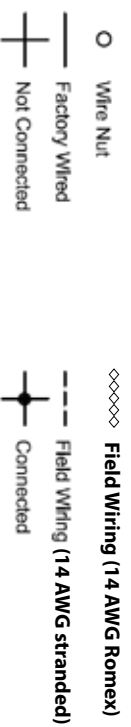
The Vision venting requirement is reduced from 8" diameter Type-B vent to 6" diameter Type-B vent **ONLY WHEN USING THE ENERVEX RS-009 or RSIF-146 POWER VENT.** The RS-009 may be used with either 8" or 6" venting - a chimney adapter is required in either case. It is recommended to use 6" diameter venting with the RSIF-146 to avoid the more expensive 8" venting - the RSIF-146 has a 6" diameter inlet and outlet.

All products shall be installed per the manufacturer instructions. The flue system must be designed to maintain a -0.05" w.c. at the outlet.

<i>Power Vent</i>	RS-009 (External)	RSIF-146 In-line (Internal)
<i>Control</i>	ADC100/PDS 1	ADC100/PDS 1
<i>Power Vent Adapters for 6" Venting</i>	Enervex FR2006 Steel Chimney Adapter	Enervex EXH1801 B-Vent Adapter
<i>Reducers for 6" Venting</i>	Selkirk 108367 8" x 7" Reducer AND 108367 7" x 6" Reducer (both parts required)	
<i>Power Vent Adapters for 8" Venting</i>	Enervex FR2008 Steel Chimney Adapter	n/a
<i>6" Wall Hood</i>	n/a	Enervex EXH1805-6 Vent Hood
<i>6" Roof Cap</i>	n/a	DuraVent 6GVDC or 6GVVTH or Selkirk 106802 or 106800

Wiring Schematic for 24VBM-xx-01 Burner and Enerveex ADC100 Controller

LEGEND



PLANNING

- Download the following from the Enervex website:
 - a) the installation manual for the PDS 1 Proven Draft Switch
 - b) the installation manual for the ADC100 Fan Control
 - c) the installation manual for either the RSIF in-line power vent or the RS chimney fan as required by your installation

These manuals are the final authority for installing the Enervex parts in this system. Follow their instructions.

- The PDS 1 must be mounted such that the silicone tubing reaches the vent stack per the installation instructions.
- The Fan Disconnect Switch is required by some code jurisdictions for service. Since this switch controls the fan, the system will not work when this switch is off.
- The attached schematic is based on information in the ADC100 installation manual. When in doubt, follow the ADC100 installation manual.
- Ensure that make-up air is available in the room in which the Vision Gas fireplace is installed. Your project HVAC engineer should be consulted prior to this installation.

INSTALLATION

- Install a LO-TEMP SNAP SWITCH in place of the standard Vision Gas Fireplace snap switch.
- Ensure that all necessary jumpers are in place on the ADC100.
- The stack probe should be mounted as near as possible to the power vent and MUST BE FLUSH with the inner wall of the B-vent. See detail in the PDS 1 Proven Draft Switch Installation and Operating Manual.
- Adjust the fan speed with the ADC100 until your manometer reads -0.05" w.c. It may take several changes to the local conditions (range hood on/off, nearby door open/closed, etc.) to arrive at a satisfactory fan speed setting.
- Each of the three DIP switches in the ADC100 should be set to OFF.
- The silicone tubing from the stack probe is to be connected to the negative (-) side of the PDS 1.

OPERATION

- Make sure the system is energized. When the Flame Switch is turned ON the power vent system provides negative pressure (draft). Once the power vent has generated enough draft to reach the draft set-point, the Vision Gas Fireplace control circuit is closed and the Vision Gas Fireplace will light. When the Flame Switch is turned OFF the draft set-point will not be reached causing the ADC100 to open the control circuit and turning off the Vision Gas Fireplace.
- If proper draft is not maintained (because of wind pressure or other pressure disturbance), the ADC100 will gradually increase the speed of the fan until proper draft is achieved. If the increased speed does not provide sufficient draft, the ADC100 will not allow the Vision Gas Fireplace to light.

PARTS LIST

- Enervex RSxx Power Vent (p/n PV-VM-PV-RS009)
- Enervex ADC100 (p/n PV-GS-CM-ADC 100)
- Enervex PDS 1 (included with PV-GS-CM-ADC 100)
- Lo-Temp Snap Switch (p/n 610024)
- 24VBM Burner (p/n 24VBM-NG-TAC or 24VBM-LP-TAC)
- Disconnect Switch (supplied by others, when required)



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