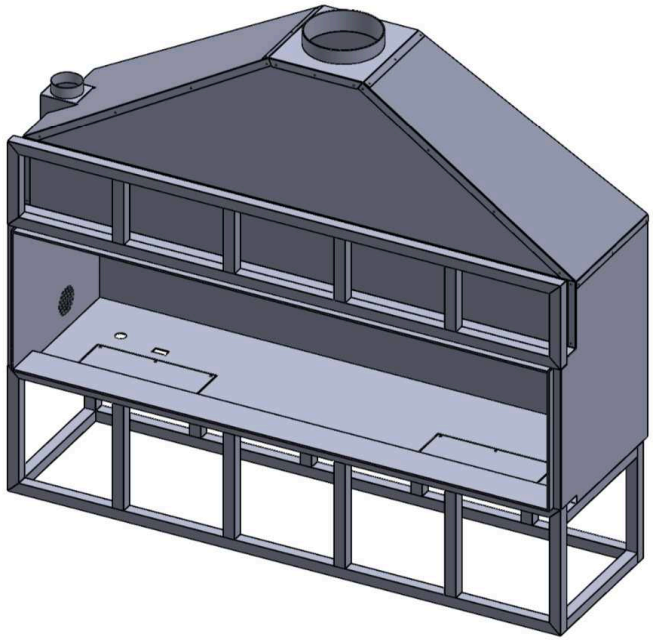
INFINITI FIRE

INFINITI SERIES

STYLE: SYM, STH, OCL, OCR, BAY, PEN, OVL

MODELS: 240-1440 (12"-36" Heights)

DETAILS: Edge, Orion, Quattro



Installation and Operating Instructions

INSTALLER: Leave this manual with the appliance.
CONSUMER: Retain this manual for future reference.

!-WARNING:
FIRE OR EXPLOSION HAZARD
Failure to follow safety warnings exactly could result in serious injury, death, or property damage.

-Do not store or use gasoline or other flammable vapors and liquids in the vicinity of this or any other appliance.

-WHAT TO DO IF YOU SMELL GAS
- -Do not light any appliance
- -Do not touch any electrical switch; do not use any phone in the building.
- -Leave building immediately.
- -Immediately call your gas supplier from a neighbor's phone. Follow the gas supplier's instructions.
- -If you can not reach your gas supplier call the fire department.

-Installation and service must be performed by a qualified installer, service agency, or the gas supplier.

This appliance is suitable for installation in a bedroom or bed sitting room.

This appliance may be installed in an aftermarket permanently located, manufactured home (USA Only) or mobile home, where not prohibited by local codes

This appliance is only for use with the type of gas indicated on the rating plate. This appliance is not convertible for use with other gases, unless a certified kit is used

c LC us

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Certification Label

INFINITI FIRE takes great pride in showcasing the LC logo across its entire product portfolio, showcasing an unyielding commitment to innovation by consistently producing products with the highest degree of structural integrity and advanced design principles, all while prioritizing user safety above all other considerations.

VENTED GAS APPLIANCE- NOT FOR USE WITH SOLID FUEL
APPAREIL À GAZ VENTILÉ - NE PAS UTILISER AVEC DU COMBUSTIBLE SOLIDE

ANSI Z21.50 / CSA 2.22- 2019 and ANSI Z21.97 / CSA 2.41- 2017

Certified for/ Certifié pour Canada and U.S.A.

This Appliance is Equipped For Use With/ Cet Appareil est Equipe Pour Utilise Avec:

NATURAL GAS/ DU GAS NATUREL ☐ LP GAS/ DU GAZ LP ☐

SERIES/SERIE: INFINITI

DETAILS: EDGE, GEMINI, QUATTRO

MODELS: 240-1440 (16"-36")

STYLES: SYM, STH, OCL, OCR, BAY, PEN, OVL

FOR USE WITH/ EN CASE D'EMPLOI AVEC	NATURAL GAS/ DU GAS NATUREL	LP GAS/ DU GAZ LP
Minimum supply pressure/ Pression minimum d'alimentation: (For the purpose of input adjustment/ dans le but de regler l'alimenation) Maximum supply pressure/ Pression maximum d'alimentaion: Manifold pressure/ Pression de la tuyauterie: Maximum	5.0 in/wc / 5.0 po/c.e. (1.25 kPa) 13.9 in/wc /13.9 po/c.e. (3.45 kPa) 3.8 in/wc / 3.8 po/c.e. (.95 kPa)	12.5 in/wc / 12.5 po/c.e. (3.11 kpa) 13.9 in/wc/ 13.9 po/c.e. (3.45 kpa) 11.0 in/wc / 11.0 po/ce (2.74 kpa)
Orfice Size/ Diametre de l'injectuer:	5/64"- (1.984mm)	1/16"- (1.65mm)
Input BTU/hr (kW) Entrée BTU/h (kW):	Max: 400,000 Min: 50,000	Max: 400,000 Min: 50,000

This appliance comes standard with proper and sufficient orifices for all altitudes for the fireplaces to perform safely and the way it is intended to run at elevations below 4500ft. (1372m)/ Cet appareil est livré en standard avec des orifices appropriés et suffisants pour toutes les altitudes pour que les foyers fonctionnent en toute sécurité et de la façon dont il est prévu de fonctionner à des altitudes inférieures à 4500 pieds. (1372m) This appliance is certified for installationin a bedroom or a bedsitting room./ Cet appareil est certifié pour une installation dans une chambre ou un salon. This appliance must be installed per the manufacture's guidelines and be in accordance with local codes. If non follow the current CAN/CGA-B149 (Canada), or ANSI Z223.1 (USA) Installation Codes. / Cet appareil doit être installé selon les directives du fabricant et être conforme aux codes locaux. Si non, suivez les codes d'installation actuels CAN / CGA-B149 (Canada) ou ANSI Z223.1 (USA).

MANFUACTURED (MOBILE) HOME: This appliance is only for use with the type of gas indicated on the rating plate and may be installed in an aftermarket, permanently located, manufactured (mobile) home where not prohibited by local codes. See owner's manual for details./ MAISON FABRIQUEE (MOBILE): Cet appareil est uniquement destiné à être utilisé avec le type de gaz indiqué sur la plaque signalétique et peut être installé dans une maison (mobile) manufacturée du marché secondaire, située en permanence, là où les codes locaux ne l'interdisent pas. Voir le manuel du propriétaire pour plus de détails.
Standard, Title 24 CFR, Part 3280, or the current Standard for Fire Safety Criteria for Manufactured Home Installations, Sites, and Communities ANSI/NFPA 501A, (in the U.S.A.)/ Norme, Titre 24 CFR, Partie 3280, ou la norme actuelle pour les critères de sécurité incendie pour les installations, les sites et les communautés à usage domestique ANSI / NFPA 501A, (aux États-Unis)

MINIMUM CLEARENCES TO COMBUSTIBLES/ DÉGAGEMENTS MINIMUM AUX COMBUSTIBLES

THIS IS A ZERO CLEARANCE APPLIANCE
CECI EST UN APPAREIL À DÉGAGEMENT ZÉRO

c LC US

WARNING: Improper installation, adjustment, alteration, service or maintenance can cause property damage, injury, or death. 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, un entretien ou une maintenance incorrects peuvent entraîner des dommages matériels, des blessures ou la mort. Reportez-vous au manuel d'information du propriétaire fourni avec cet appareil. Pour obtenir de l'aide ou des informations supplémentaires, consultez un installateur qualifié, une agence de service ou le fournisseur de gaz.

Warning Labels

DO NOT MODIFY OR CHANGE YOUR APPLIANCE IN ANY WAY OTHER THAN WHAT COMES FROM THE INFINITI FIRE FACTORY. INFINITI FIRE STAFF AND IT'S LICENCED REPRESENTATIVES ARE THE ONLY PERSON'S WHO ARE QUALIFIED TO MAKE ANY MODIFICATOINS TO THE APPLIANCES AND WILL RESULT IN THE WARRANTY BEING VOIDED ON THE UNIT.

CARBON MONOXIDE HAZARD

This appliance can produce carbon monoxide which has no odor.

Using it in small and enclosed spaces may cause serious injury or death.

Never use this appliance in an enclosed space such as a camper, tent, or car.

WARNING: Improper installation, adjustment, alteration, service, or maintenance can cause property damage, personal injury or loss of life. Refer to the owners manual provided with this appliance. Installation and service must be performed by a qualified installer, service agency, or the gas supplier.

Warning Labels

This appliance must be properly connected to a venting system in accordance with the manufacturer's installation instructions.

This appliance must be installed in accordance with local codes, if any; if none, follow the National Fuel Gas Code, ANSI 2223.1/NFPA-54**, or the** Natural Gas and Propane Installation Code, CSA B149.1.

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

CAUTION: Hot while in operation. Do not touch. Severe burns may result. Keep children, clothing, furniture, gasoline, and other liquids having flammable vapors away.
Keep burner and control compartment clean. See installation and operating instructions accompanying the appliance.

General Information

1. INFINITI FIRE decorative gas appliance must be installed in accordance with the manufacturer's instructions and all applicable local codes and regulations.

2. It is important to check with your local authorities regarding any specific requirements for clearances around decorative gas appliance . Some jurisdictions may have stricter requirements than others.

3. Although INFINITI FIRE is a zero clearance appliance, the distance between the vented decorative gas appliance and any combustible materials inside of the walls should be a minimum 1" clear as we further commitment to safety. This includes floors, and ceilings. Some local codes and regulations might require a greater distances and will be required to be taken into account by the qualified installer.

4. The area around the vented decorative gas appliance should be kept clear of any flammable materials, such as curtains, furniture, gasoline, or any other flammable or hazardous materials.

5. Always have a qualified professional install and maintain your vented decorative gas appliance to ensure it is safe to operate.

6. If a problem or concern arises with a vented decorative gas appliance, it is important to have it inspected and repaired by a qualified professional.

7. Keep a fire extinguisher nearby in case of emergencies.

8. It is important to regularly clean your vented decorative gas appliance to prevent buildup of creosote and other combustible materials.

9. Never burn anything other than natural gas or propane in the vented decorative gas appliance .

10. If installing the vented decorative gas appliance in a new construction or renovated space, obtain proper permits and adhere to local building codes and regulations.

Operational Information

Understanding Appliance Operation:
All appliances distributed by INFINITI FIRE are test-proven and designed following strict industry standards. However, the actual operation of these appliances can vary depending on installation, fuel choice, maintenance, and several environmental variables. It is crucial to note that INFINITI FIRE is not responsible for any discrepancy between expectations of appliance operation and its actual operation. Product manuals and user guides should provide a clear indication of ideal appliance functioning, but individual interpretations or usage scenarios are subject to external variables beyond INFINITI FIRE's control.

Interference from Other Natural Drafts:
INFINITI FIRE appliances are engineered to withstand and work optimally within certain environmental conditions. However, we cannot provide assurance regarding nor take responsibility for the effect of other natural drafts present in your home that may impact appliance performance. Unforeseen environmental variables, such as changes in pressure, air flow, temperature, or the presence of other heat or air sources can interact with the appliance in ways that may compromise its performance. INFINITI FIRE cannot be held liable for these unforeseen variables and their impacts.

Limitations of Liability:
To the maximum extent permitted by applicable law, INFINITI FIRE, under no circumstances, shall be responsible for any indirect, incidental, consequential, special or exemplary damages arising out of or in connection with the use of it's appliances. This includes, but is not limited to, damages for loss of profits, business interruption, business reputation or goodwill, loss of programs or information or other intangible loss arising out of the use of or the inability to use the service, or information, or any permanent or temporary cessation of such service or access to information, or the deletion or corruption of any content or information, or the failure to store any content or information.

User Responsibility:
As a user, it is your responsibility to ensure that the installation environment for your INFINITI FIRE appliance is appropriate, and the appliance is maintained properly as per the guidelines provided by INFINITI FIRE. Please be aware that neglecting these responsibilities might result in suboptimal appliance performance and/or unnecessary risks, for which INFINITI FIRE does not hold responsibility.

Operational Information

User Awareness:
As a user, it is your understanding that INFINITI FIRE is designed and engineered to make drafting the appliance and it's safety it's number one priority. Our appliances are designed to naturally draft harmful gases like carbon monoxide out of the space where the appliance is installed. INFINITI FIRE holds no responsibilities or liabilities for what the end user believes or is wanting the appliance to perform like other than what it is tested for, which is safe operation with the end user operating.

Excessive heat concerns:
INFINITI FIRE is not responsible for any materials set within an improper range of the appliance. Your decorative gas appliance can put off a significant amount of heat and INFINITI FIRE is not held liable to materials or items that have been set within a range where the heat from the appliance will negatively affect the materials or items. This especially includes electronics set above the appliance within a range that negatively affects their performance. Mantles and other various barriers to deflect heat are recommended by INFINITI FIRE but by no means guarantee the desired heat deflection due to unknown variables upon installation.

Agreement:
By purchasing and using any INFINITI FIRE appliance, you agree to these terms and conditions, and release INFINITI FIRE from all accountability as outlined above. For any further queries regarding your appliance functionality or its interaction with environmental variables, please contact our customer service team for professional advice.

S A F E T Y

Introduction:

This manual is designed to provide safe operating instructions and guidelines for vented decorative gas appliances that follow ANSI Z21.50 and ANSI Z21.97 standards. These guidelines must be followed to reduce the risk of fire, injury, or property damage.

FOR YOUR SAFETY - Do not install or operate your INFINITI FIRE fireplace without first reading and understanding this manual. Any installation or operational deviation from the following instructions voids the INFINITI FIRE warranty and may prove hazardous.
This appliance and its individual shut off valve must be disconnected from gas supply piping system during any pressure testing of that system at test pressures in excess of ½ psig (3.5 kPą).

This appliance must be isolated from the gas supply piping system by its individual manual shut off valve during any pressure test of the gas supply piping system at test pressures equal to or less than˝ psig (3.5 kPa).

Note: When lit for the first time, the appliance may emit a slight odor for a couple of hours. This is due to the curing of paints, sealants and lubricants used in the manufacturing process as well as clearing the pipes from the house. This condition is temporary, open doors and windows to ventilate area. Smoke and fumes caused by the curing process may cause discomfort to some individuals.
Do not use the fireplace if any part has been under water. Immediately call a qualified service technician to inspect the fireplace and to replace any part of the control system and any gas control which has been under water.

General Safety Guidelines:
1. Read and understand all manufacturer's instructions before installing or using the vented decorative gas appliance.
2. Keep all flammable materials, including paper, furniture, draperies, wood, and combustible liquids, away from the vented decorative gas appliance.
3. Never modify or alter the vented decorative gas appliance in any way.
4. Always use the recommended gas and pressure for the vented decorative gas appliance.
5. Only a qualified service technician should repair or service the vented decorative gas appliance.
6. Young children should be carefully supervised when they are in the same room as the appliance
7. Any grill, panel or door removed for servicing the unit must be replaced prior to operating. Failure to do so may create a hazardous condition.
8. 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 control compartments, burners and circulating air passageway of the appliance be kept clean.

C A U T I ON

SAFETY

It is our policy that no responsibility is assumed by INFINITI FIRE or any of its employees or representatives for any damage caused by an inoperable, inadequate, or unsafe condition which is the result, either directly or indirectly, of any improper operation or installation procedures.

Installation Guidelines:
1. It is critical that the installation is done by a qualified professional, following the manufacturer's instructions and local codes.
2. Ensure that a proper venting system is installed and there is adequate combustion air.
3. Follow proper clearance distances to combustible materials in the installation location.
4. Do not install the vented decorative gas appliance in bedrooms or sleeping areas.
5. Install smoke alarms and carbon monoxide detectors in living and sleeping areas.

Operating Guidelines:
1. Never leave the vented decorative gas appliance unattended.
2. Before starting the appliance, ensure that the venting system is operating correctly and unobstructed.
3. Keep combustible materials at a safe distance from the vented decorative gas appliance, and avoid placing any objects on or near it.
4. Turn off the vented decorative gas appliance and close the gas valve before leaving the room or going to bed.
5. Do not use the appliance as a heater or to dry clothing.

Maintenance Guidelines:
1. Perform annual maintenance checks by a qualified service technician.
2. Clean the appliance regularly, following manufacturer's instructions.
3. Check the pilot or ignition system and flame regularly.
4. Keep the appliance area clean and free of debris.
5. Replace any parts that are damaged or worn out, following manufacturer's instructions.

Conclusion:
It is crucial to follow these safety guidelines when operating a vented decorative gas appliance to prevent any injuries, or damages to the appliance or property. The appliance should always be installed and maintained by a qualified professional, and safe operating procedures should be followed whenever in use. Failure to follow these guidelines can result in fire, property damage, injury or death.

CAUTION

SÉCURITÉ

Introduction

Ce manuel est conçu pour fournir des instructions et des directives de fonctionnement sécuritaires pour les appareils à gaz décoratifs ventilés qui respectent les normes ANSI Z21.50. Ces directives doivent être suivies pour réduire les risques d'incendie, de blessures ou de dommages matériels.

POUR VOTRE SÉCURITÉ - N'installez pas et n'utilisez pas votre foyer INFINITI Fire sans avoir d'abord lu et compris ce manuel. Tout écart d'installation ou de fonctionnement par rapport aux instructions suivantes annule la garantie des foyers INFINITI Fire et peut s'avérer dangereux.
Cet appareil et sa vanne d'arrêt individuelle doivent être déconnectés du système de tuyauterie d'alimentation en gaz lors de tout essai de pression de ce système à des pressions d'essai supérieures à ½ psig (3,5 kP±).

Cet appareil doit être isolé du système de tuyauterie d'alimentation en gaz par sa vanne d'arrêt manuelle individuelle pendant tout test de pression du système de tuyauterie d'alimentation en gaz à des pressions d'essai égales ou inférieures à ½ psig (3,5 kPa).

Remarque : Lorsqu'il est allumé pour la première fois, l'appareil peut émettre une légère odeur pendant quelques heures. Cela est dû au durcissement des peintures, des mastics et des lubrifiants utilisés dans le processus de fabrication. Cette condition est temporaire, ouvrez les portes et les fenêtres pour ventiler la zone. La fumée et les émanations causées par le processus de durcissement peuvent causer de l'inconfort à certaines personnes.
N'utilisez pas le foyer si une partie quelconque a été sous l'eau. Appelez immédiatement un technicien de service qualifié pour inspecter le foyer et remplacer toute pièce du système de contrôle et toute commande de gaz qui a été sous l'eau.

Consignes générales de sécurité
1. Lisez et comprenez toutes les instructions du fabricant avant d'installer ou d'utiliser l'appareil à gaz décoratif ventilé.
2. Gardez tous les matériaux inflammables, y compris le papier, les meubles, les tentures, le bois et les liquides combustibles, à l'écart de l'appareil à gaz décoratif ventilé.
3. Ne jamais modifier ou altérer l'appareil à gaz décoratif ventilé de quelque façon que ce soit.
4. Utilisez toujours le gaz et la pression recommandés pour l'appareil à gaz décoratif ventilé.
5. Seul un technicien de service qualifié doit réparer ou entretenir l'appareil à gaz décoratif ventilé.
6. Les jeunes enfants doivent être surveillés attentivement lorsqu'ils se trouvent dans la même pièce que l'appareil
7. Toute grille, panneau ou porte retiré pour l'entretien de l'appareil doit être remis en place avant de l'utiliser. Ne pas en faire autant crée une situation dangereuse.
8. L'installation et la réparation doivent être effectuées par un technicien qualifié. L'appareil doit être inspecté avant utilisation et au moins une fois par an par un technicien professionnel. Un nettoyage plus fréquent peut être nécessaire en raison d'un excès de peluches provenant de la moquette, de la literie, etc. Il est impératif que les compartiments de commande, les brûleurs et le passage d'air de circulation de l'appareil soient maintenus propres.

MISE EN GARDE

SÉCURITÉ

Notre politique est qu'INFINITI Fire ou l'un de ses employés ou représentants n'assume aucune responsabilité pour tout dommage causé par une condition inutilisable, inadéquate ou dangereuse qui résulte, directement ou indirectement, d'un fonctionnement ou d'une procédure d'installation inappropriés.

Directives d'installation
1. Il est essentiel que l'installation soit effectuée par un professionnel qualifié, en suivant les instructions du fabricant et les codes locaux.
2. Assurez-vous qu'un système de ventilation approprié est installé et qu'il y a suffisamment d'air de combustion.
3. Respectez les distances de dégagement appropriées par rapport aux matériaux combustibles sur le lieu d'installation.
4. N'installez pas l'appareil à gaz décoratif ventilé dans les chambres ou les zones de couchage.
5. Installez des avertisseurs de fumée et des détecteurs de monoxyde de carbone dans les pièces à vivre et les chambres à coucher.

Directives d'exploitation
1. Ne laissez jamais l'appareil à gaz décoratif ventilé sans surveillance.
2. Avant de démarrer l'appareil, assurez-vous que le système de ventilation fonctionne correctement et sans obstruction.
3. Gardez les matériaux combustibles à une distance sécuritaire de l'appareil à gaz décoratif ventilé et évitez de placer des objets dessus ou à proximité.
4. Éteignez l'appareil à gaz décoratif ventilé et fermez le robinet de gaz avant de quitter la pièce ou d'aller vous coucher.
5. N'utilisez pas l'appareil comme radiateur ou pour sécher des vêtements.

Directives d'entretien
1. Effectuez des vérifications d'entretien annuelles par un technicien de service qualifié.
2. Nettoyez régulièrement l'appareil en suivant les instructions du fabricant.
3. Vérifiez régulièrement la veilleuse ou le système d'allumage et la flamme.
4. Gardez la zone de l'appareil propre et exempte de débris.
5. Remplacez toutes les pièces endommagées ou usées, en suivant les instructions du fabricant.

Conclusion
Il est essentiel de suivre ces consignes de sécurité lors de l'utilisation d'un appareil à gaz décoratif ventilé pour éviter toute blessure, tout dommage à l'appareil ou à la propriété. L'appareil doit toujours être installé et entretenu par un professionnel qualifié, et des procédures d'utilisation sûres doivent être suivies chaque fois qu'il est utilisé. Le non-respect de ces directives peut entraîner un incendie, des blessures ou des dommages matériels.

MISE EN GARDE

Important Note for the Commonwealth of Massachusetts:

From Massachusetts Rules and Regulations 248 CMR 5.08:

(a) For all side wall horizontally vented gas fuelled 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 fuelled equipment, the installing plumber or gas fitter 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 gas fitter 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 fuelled 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 fuelled 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 cannot 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 as 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 fuelled 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 fuelled 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 5.089(2)(a) 1 through 4.

(b) EXEMPTIONS. The following equipment is exempt from 248 CMR 5.089(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 horizontal vented gas fuelled equipment installed in a room or structure separate from the dwelling, building or structure used in whole or in part for residential purposes.

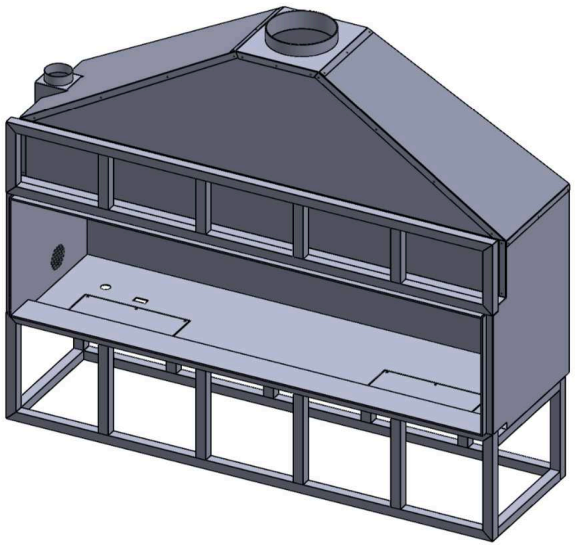
(c) MANUFACTURER REQUIREMENTS – GAS EQUIPMENT VENTING SYSTEM PROVIDED. When the manufacturer of Product Approved side wall horizontally vented gas equipment provides a venting system design or venting system components with the equipment, the instructions provided by the manufacturer for installation 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 fuelled equipment does not provide the parts for venting the fuel 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.

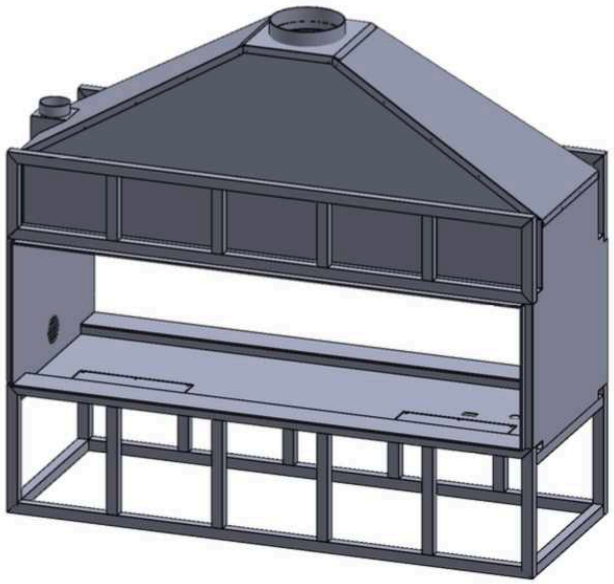
(e)) A copy of all installation instructions for all Product Approved side wall horizontally vented gas fuelled equipment, all venting instructions, all parts lists for venting instructions, and/or all venting design instructions shall remain with the appliance or equipment at the completion of the installation.

Fireplace Style Options

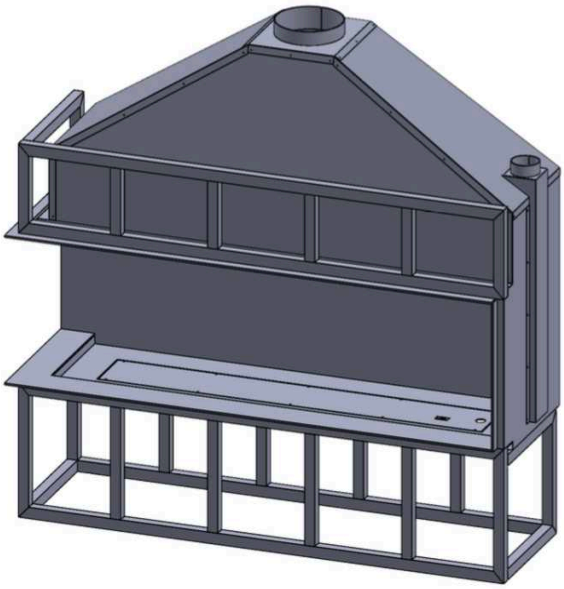
Symmetric (SYM)



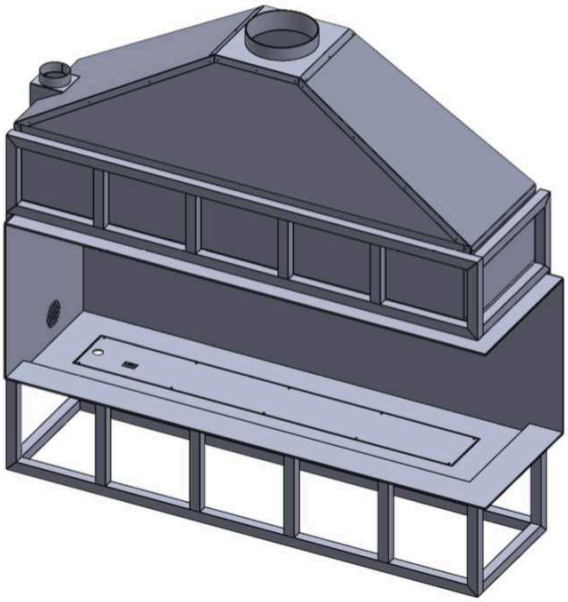
See Through-(STH)



Open Corner Left (OCL)

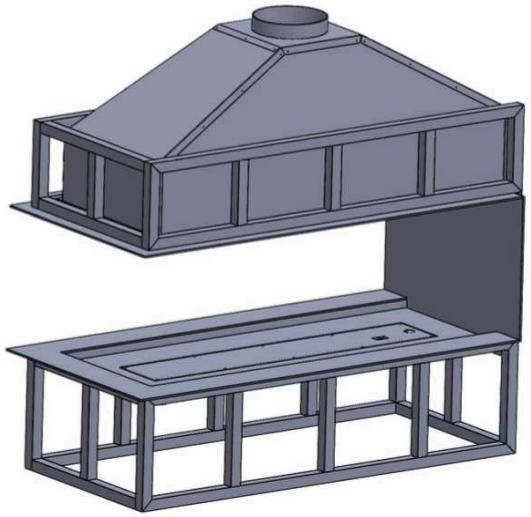


Open Corner Right-(OCR)

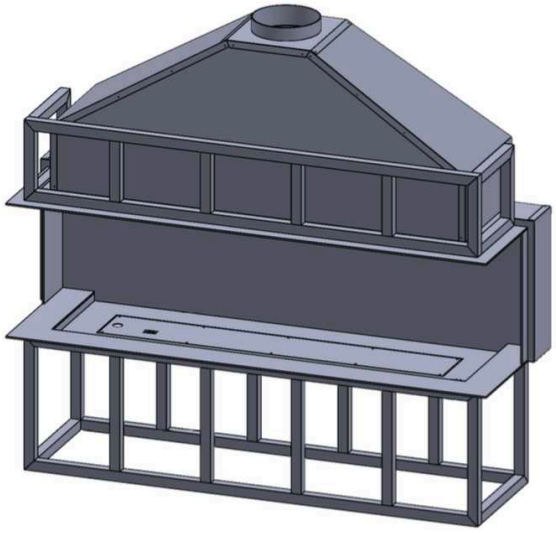


Fireplace Style Options

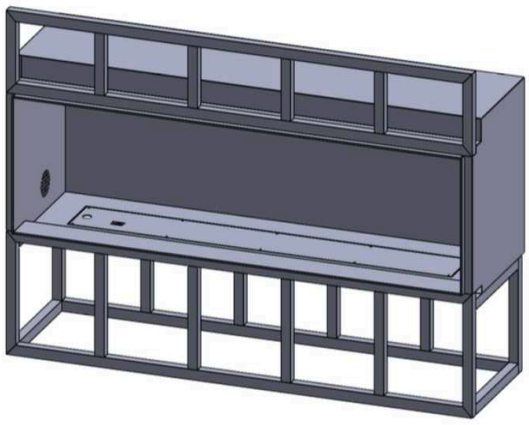
Peninsula- (PEN)



Open Both Ends- (BAY)



Outdoor Ventless-
(OVL)
For outdoor use only



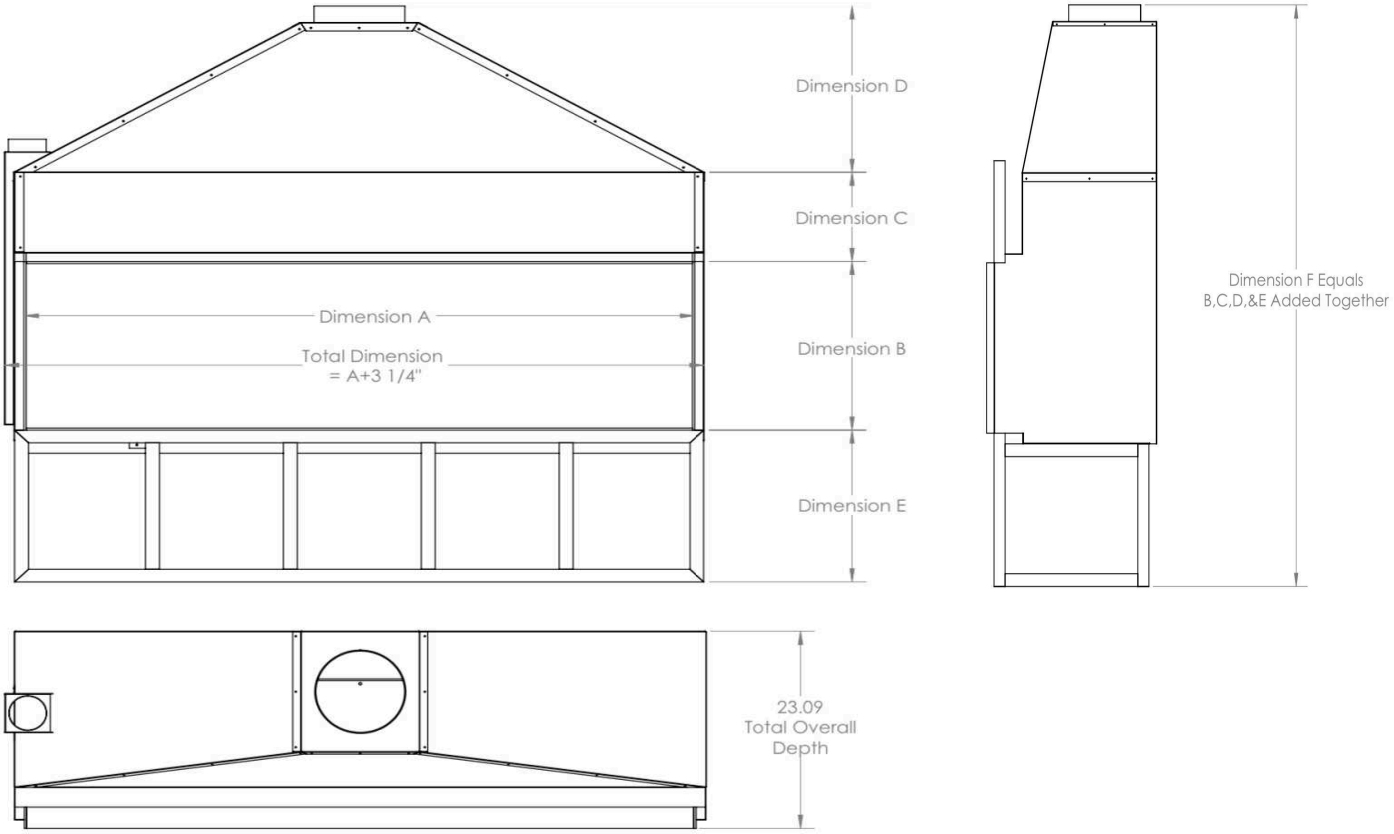
Fireplace Detail Options

INFINITI Edge

INFINITI Orion

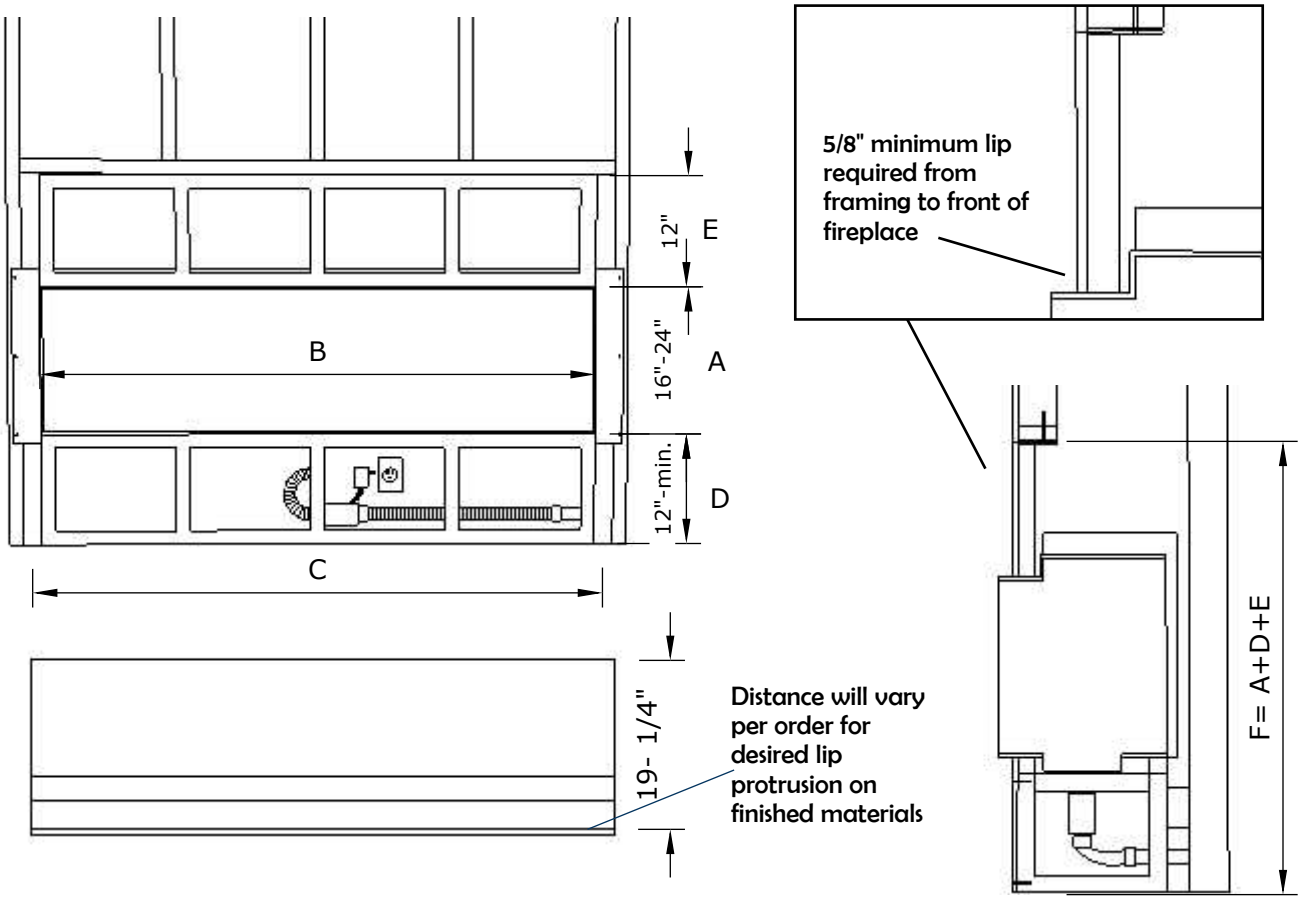
INFINITI Quattro

Fireplace Specs



	A	B	C	D	E	F= Total height
Model-240	24"	16"-36"	1/2 dim of B	6"	TBD per detail	B+C+D+E=F
Model-300	30"	16"-36"	1/2 dim of B	7-5/8"	TBD per detail	B+C+D+E=F
Model-360	36"	16"-36"	1/2 dim of B	9-3/8"	TBD per detail	B+C+D+E=F
Model-420	42"	16"-36"	1/2 dim of B	11-1/8"	TBD per detail	B+C+D+E=F
Model-480	48"	16"-36"	1/2 dim of B	12-7/8"	TBD per detail	B+C+D+E=F
Model-540	54"	16"-36"	1/2 dim of B	14-5/8"	TBD per detail	B+C+D+E=F
Model-600	60"	16"-36"	1/2 dim of B	16-1/4"	TBD per detail	B+C+D+E=F
Model-660	66"	16"-36"	1/2 dim of B	18"	TBD per detail	B+C+D+E=F
Model-720	72"	16"-36"	1/2 dim of B	19-3/4"	TBD per detail	B+C+D+E=F
Model-780	78"	16"-36"	1/2 dim of B	21-1/2"	TBD per detail	B+C+D+E=F
Model-840	84"	16"-36"	1/2 dim of B	23-1/4"	TBD per detail	B+C+D+E=F
Model-900	90"	16"-36"	1/2 dim of B	25"	TBD per detail	B+C+D+E=F
Model-960	96"	16"-36"	1/2 dim of B	26-3/4"	TBD per detail	B+C+D+E=F
Model-1020	102"	16"-36"	1/2 dim of B	28-1/2"	TBD per detail	B+C+D+E=F
Model-1080	108"	16"-36"	1/2 dim of B	30-1/8"	TBD per detail	B+C+D+E=F
Model-1140	114"	16"-36"	1/2 dim of B	31-7/8"	TBD per detail	B+C+D+E=F
Model-1200	120"	16"-36"	1/2 dim of B	33-5/8"	TBD per detail	B+C+D+E=F
Model-1260	126"	16"-36"	1/2 dim of B	35-3/8"	TBD per detail	B+C+D+E=F
Model-1320	132"	16"-36"	1/2 dim of B	37-1/8"	TBD per detail	B+C+D+E=F
Model-1380	138"	16"-36"	1/2 dim of B	38-7/8"	TBD per detail	B+C+D+E=F
Model-1440	144"	16"-36"	1/2 dim of B	40-1/2"	TBD per detail	B+C+D+E=F

Outdoor (OVL) Specs



	Fireplace Height	Fireplace Width	Insulation Width	Stand Height	Upper Frame Height	Total Height
Model #	Size A	Size B	Size C	Size D	Size E	Size F
240	16"-36"	24"	26-1/4"	12" minimum	12"	Varies
300	16"-36"	30"	32-1/4"	12" minimum	12"	Varies
360	16"-36"	36"	38-1/4"	12" minimum	12"	Varies
420	16"-36"	42"	44-1/4"	12" minimum	12"	Varies
480	16"-36"	48"	50-1/4"	12" minimum	12"	Varies
540	16"-36"	54"	56-1/4"	12" minimum	12"	Varies
600	16"-36"	60"	62-1/4"	12" minimum	12"	Varies
660	16"-36"	66"	68-1/4"	12" minimum	12"	Varies
720	16"-36"	72"	74-1/4"	12" minimum	12"	Varies
780	16"-36"	78"	80-1/4"	12" minimum	12"	Varies
840	16"-36"	84"	86-1/4"	12" minimum	12"	Varies
900	16"-36"	90"	92-1/4"	12" minimum	12"	Varies
960	16"-36"	96"	98-1/4"	12" minimum	12"	Varies

INSTALLATION REQUIREMENTS

The INFINITI FIRE INFINITI series installation and venting must conform to the current CAN/CGA-B149 installation code (in Canada) or the current National Fuel Gas Code. ANSI Z223.1 (in the USA), and approved per local codes. Only qualified (licensed or trained) personnel should install this product.

In the state of Massachusetts, only a licensed Plumber and Gas Fixer may install this product.

MANUFACTURED HOME

In some jurisdictions, the INFINITI FIRE INFINITI Series may be installed in manufactured homes after the "first sale". Consult local codes for approval. The appliance must be fastened in place.

Install in accordance with the current standard Mobile Homes, CAN/CSA Z240 MH { in CANADA), and the Manufacturer's Home Construction and Safety Standard, Title 24 CFR, Park 3280 or the current standard for Fire Safety Criteria For Manufactured Home installations, Sites, and Communities ANSI/NFPA 501A (in the USA).

LOCATING THE APPLIANCE

In planning the installation for the appliance, it is necessary to determine where the unit is to be installed, location of vent system and where gas supply piping may be plumbed. Various installations, are possible, such as, into an existing wall, a corner, a built-in wall or a wall projection. Due to high temperatures, do not locate this fireplace near furniture or draperies.

INFINITI FIRE is not responsible for getting gas and electrical to the appliance. The gas key valve is required to be within 6' of the appliance opening, line of site switch required. You must be able to see the appliance when lighting to assure that a fire has been lit properly and safely.

Installation Information

1. Determine the correct location for the vent. B-vented gas appliances must be vented through a vertical flue that extends through the roof, and must not be vented through a sidewall or chimney without a mechanical assist.

2. Install an approved type of vent pipe. B-vented appliances require a double-wall vent pipe that is listed for use with the specific appliance being installed. Follow the manufacturer's instructions for installing and connecting the vent pipe sections.

3. Ensure proper clearance from combustible materials. Vent pipes must be installed with the appropriate clearance from combustible materials, such as wood framing, insulation, or roofing materials. (See pipe manufacturer specs for details.)

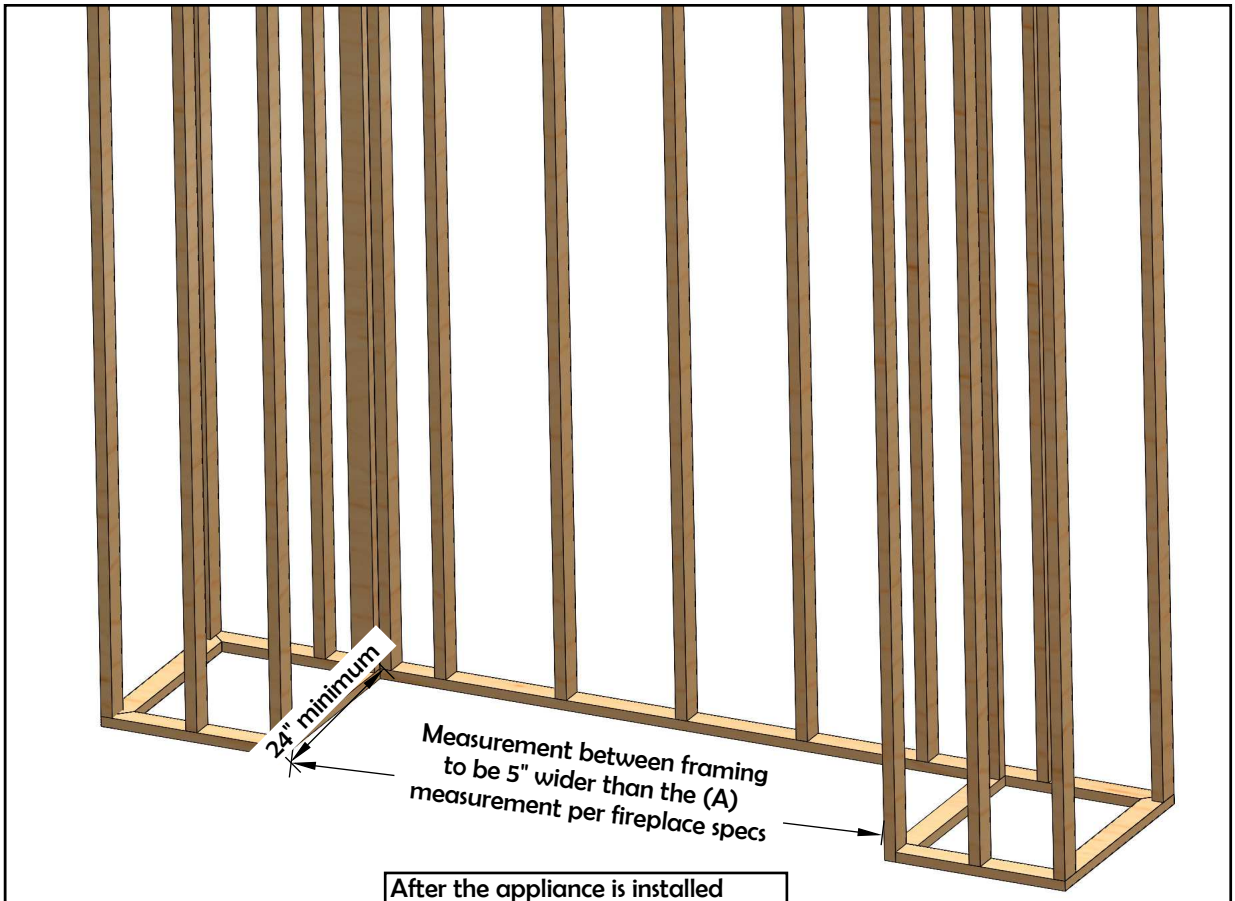
4. Securely fasten the vent pipe. B-vented gas appliance vent pipes should be securely fastened at each joint with screws or clamps to prevent movement or disconnection. (Use L brackets provided to connect the vent pipe to the top of the appliance.)

5. Install a vertical roof flashing. A roof flashing should be installed around the vent pipe where it exits the roof or chase to prevent water penetration. The flashing should be secured with roofing nails or screws and silicone with a waterproofed seal. Make sure all combustible clearances have been met when setting the roof flashing.

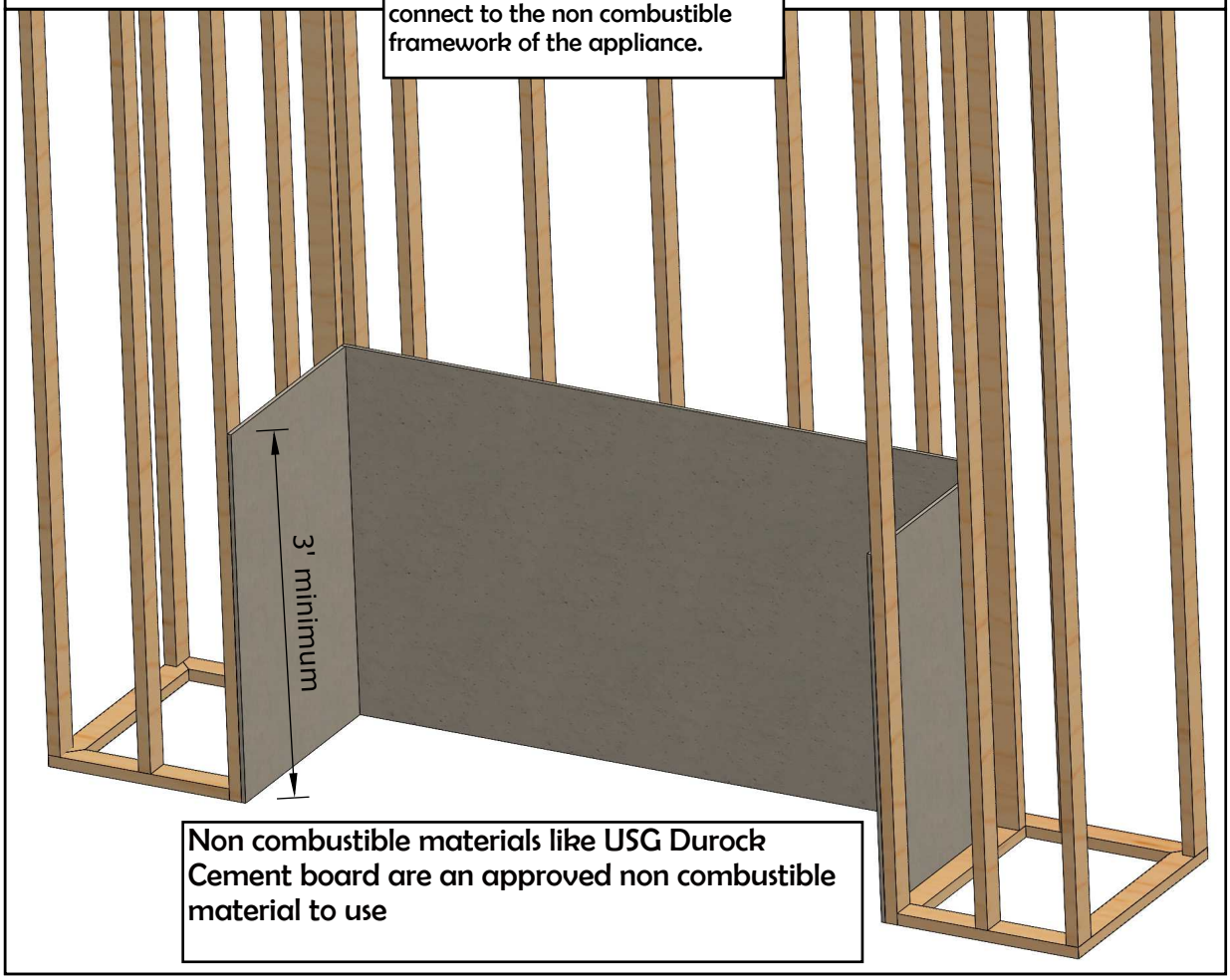
6. Inspect the venting system regularly. Once the venting system is installed, it should be inspected regularly to ensure it is working properly and is free from obstructions or damage.

7. It would be advisable to utilize carbon monoxide testing devices to confirm the effective expulsion of uncombusted gases and CO through the chimney via your ornamentally vented appliance.--

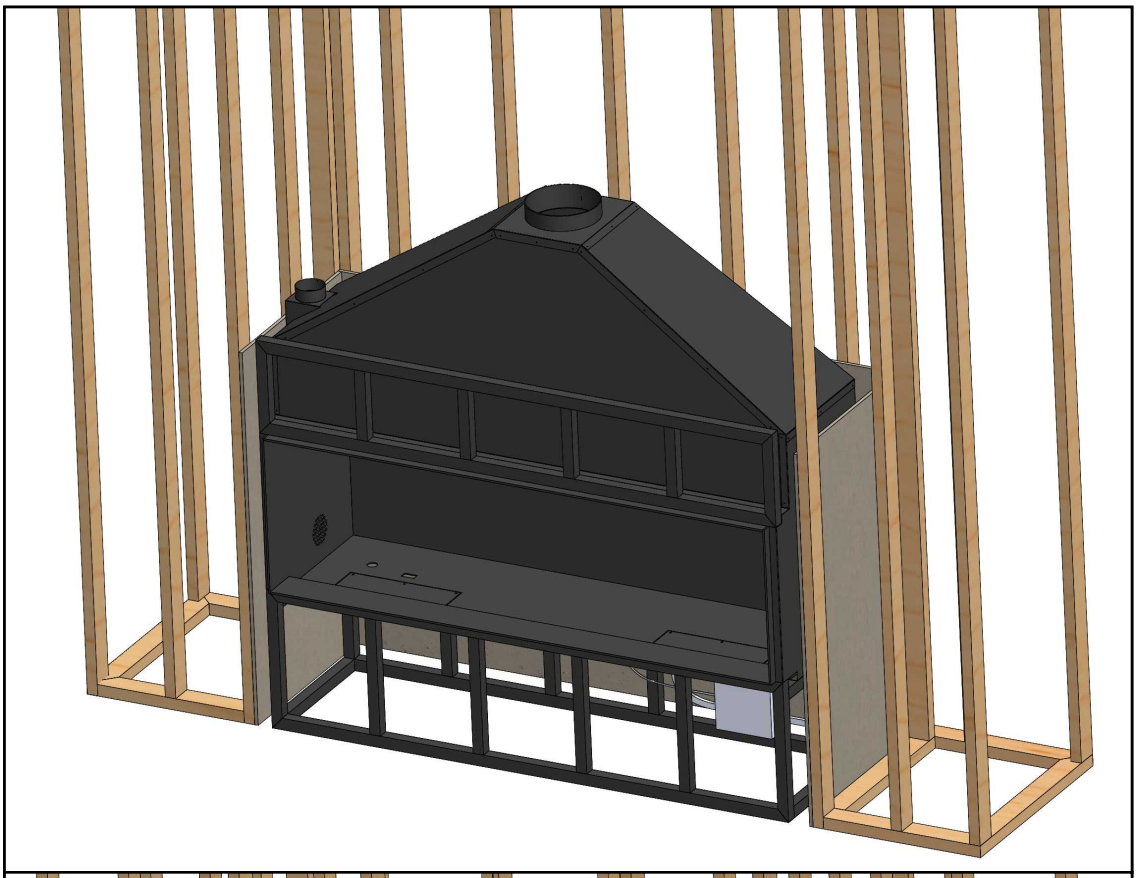
Following these steps will ensure that your B-vented gas appliance is properly vented and safe to operate.

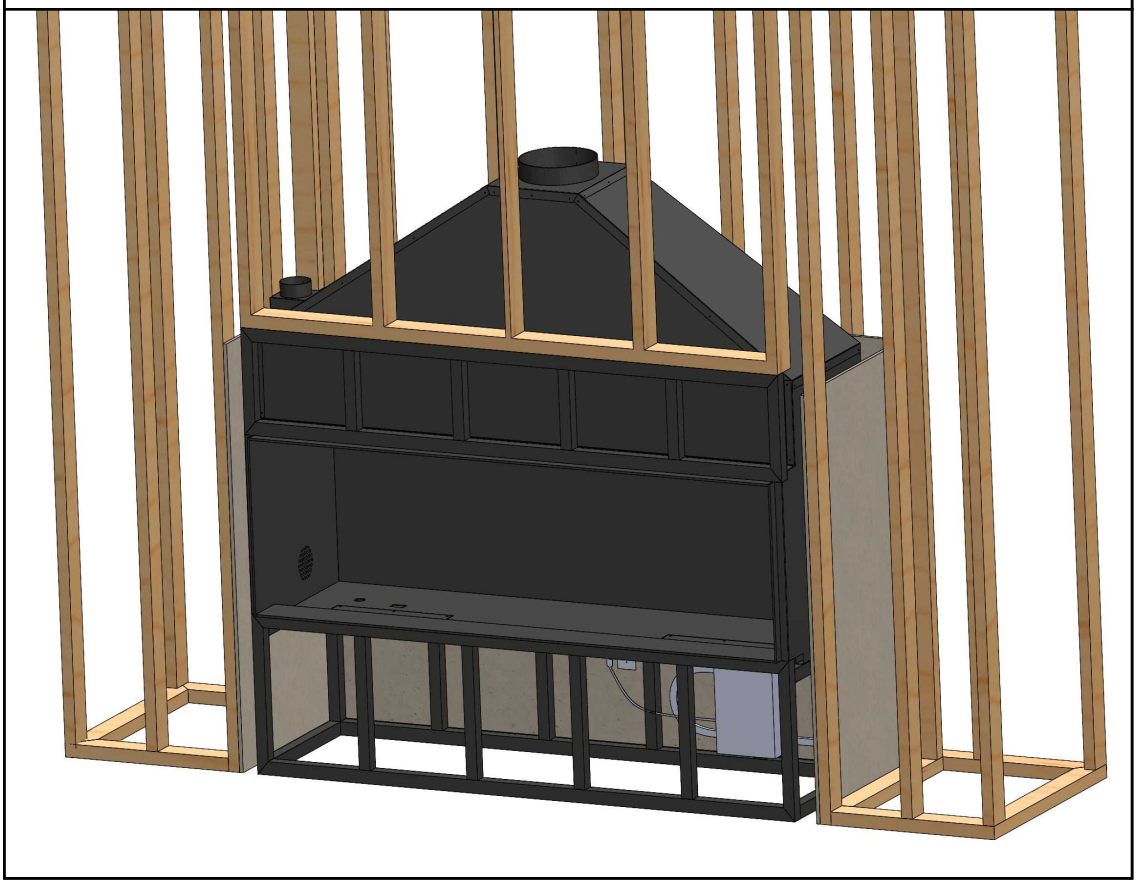


After the appliance is installed framework is able to be added to connect to the non combustible framework of the appliance.

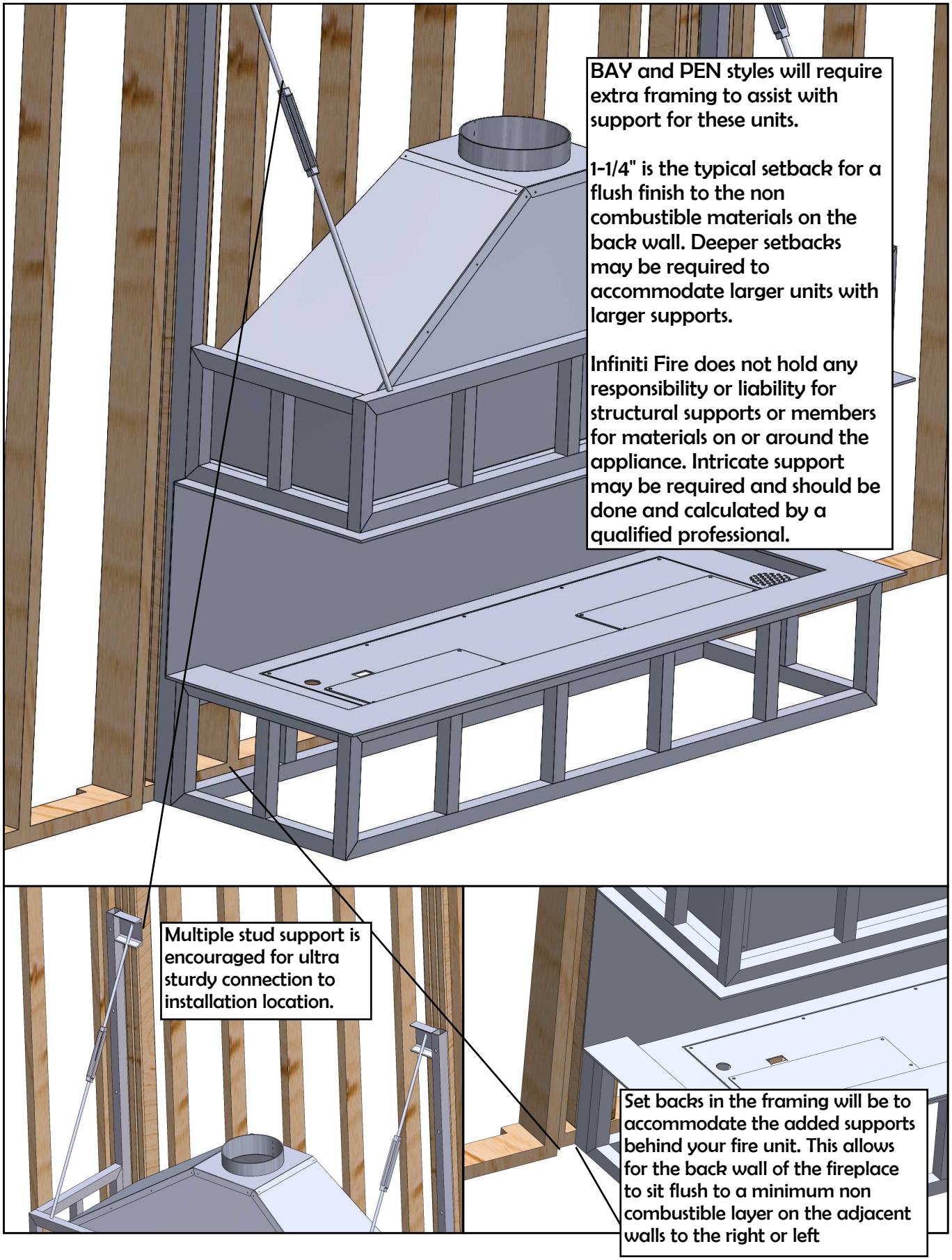


Non combustible materials like USG Durock Cement board are an approved non combustible material to use





Installation and Framing

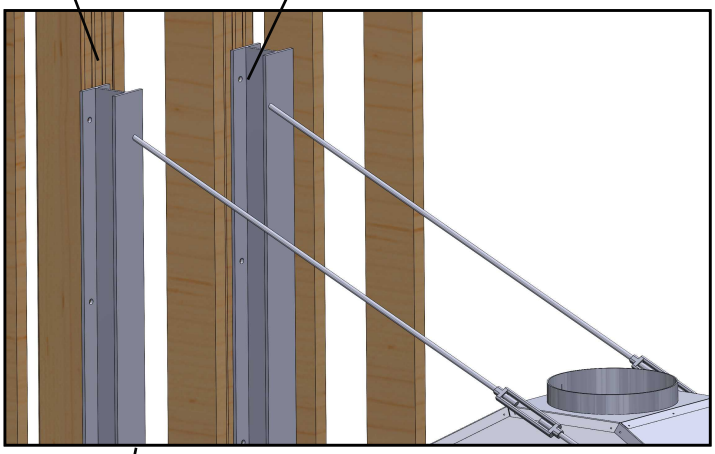


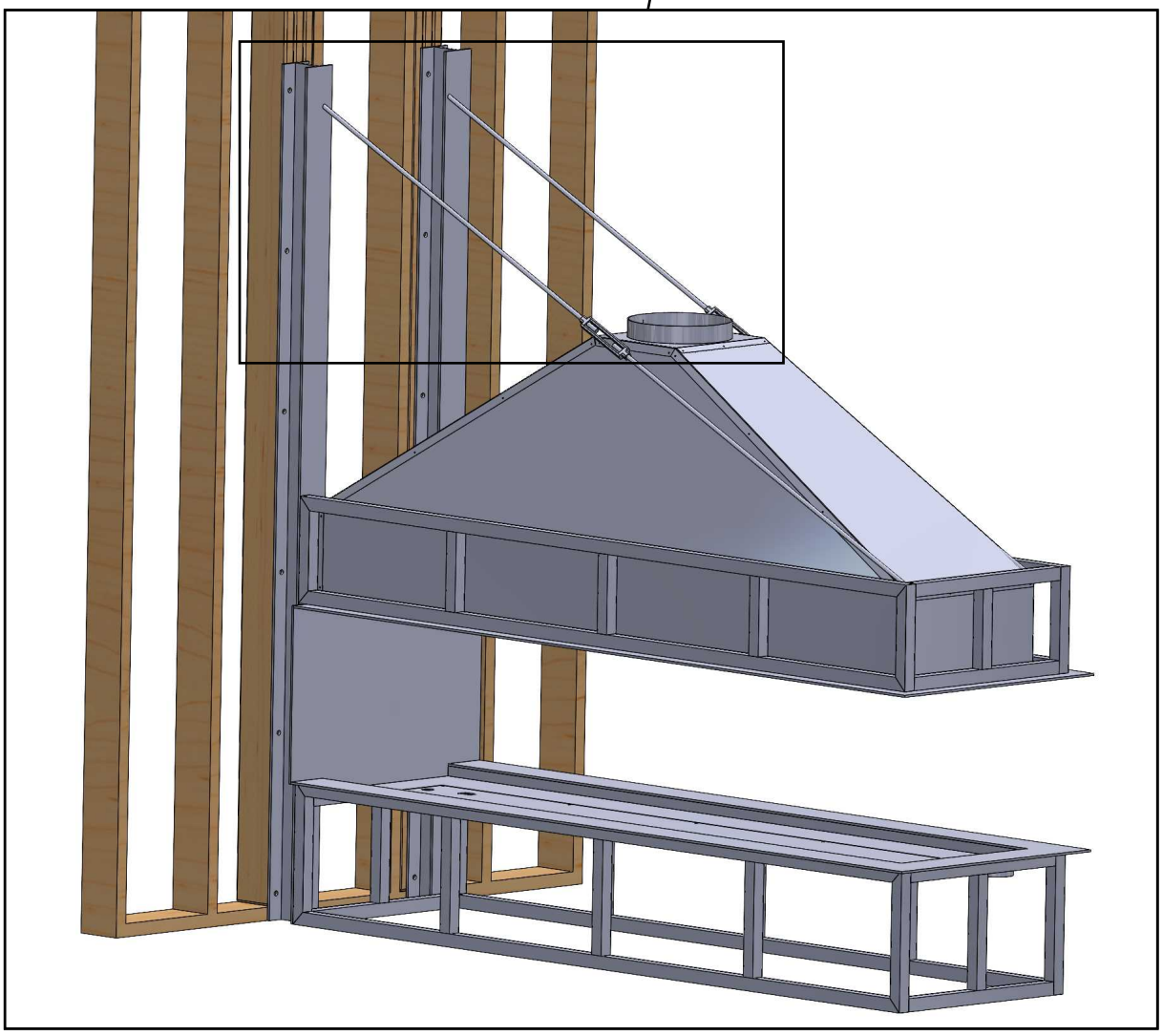
Installation and Framing

Stacked studs are recommended to help support the structural posts.

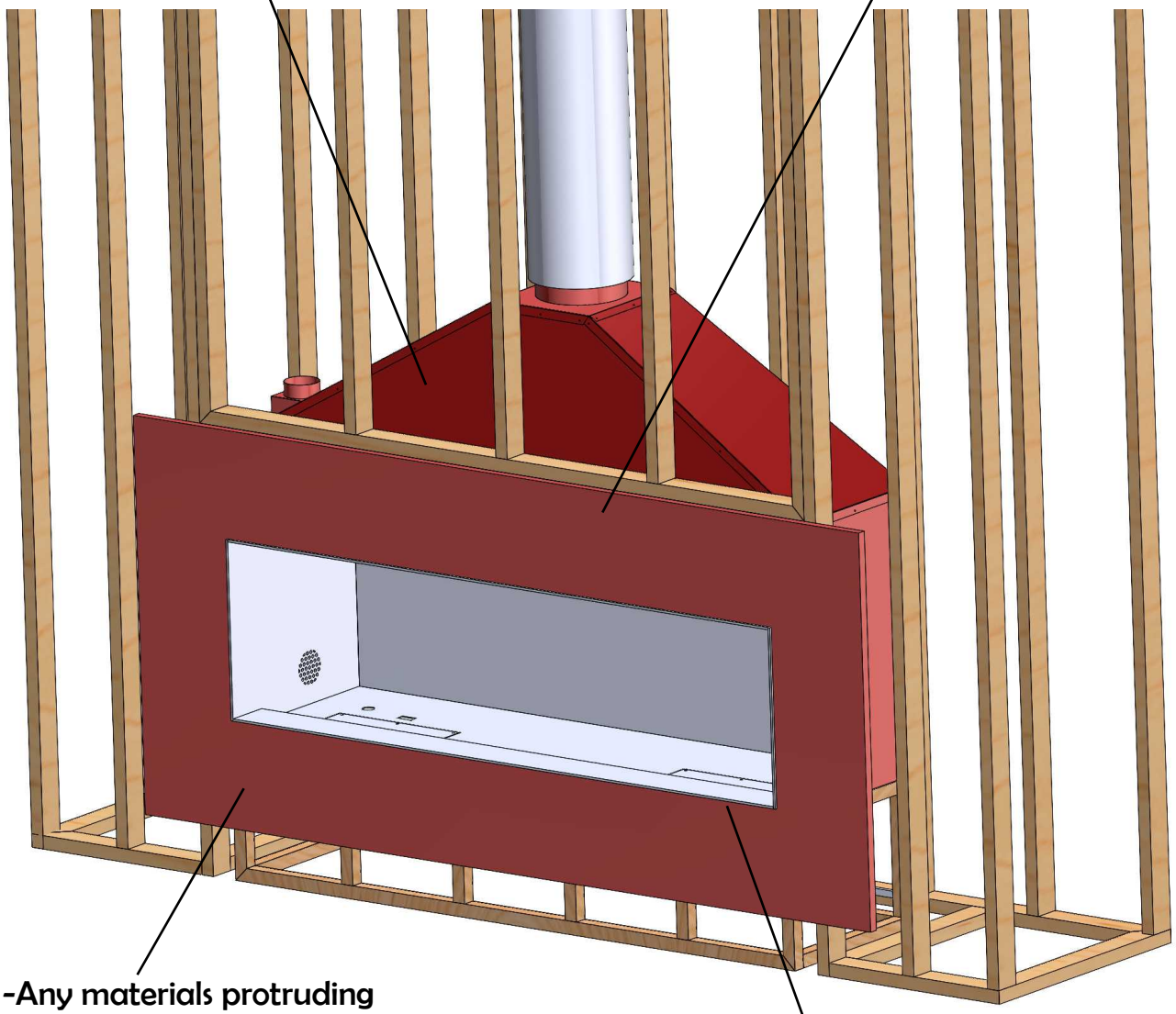
9/16" holes are drilled in to back of the I-Beam for ease of mounting in to the stud framing

Infiniti Fire disclaims all liability for structural calculations necessary above the appliance opening. The support tie rods and turnbuckles attached to the framing are exclusively designed to bear the unit's weight and facilitate leveling and adjustments. Upon request, specific weight information for each unit will be provided to assist in engineering calculations for materials affixed to the walls above the appliance opening. Additionally, vertical tie rod supports can be installed at the unit's extremities to enhance structural support from the framing above the ceiling line.



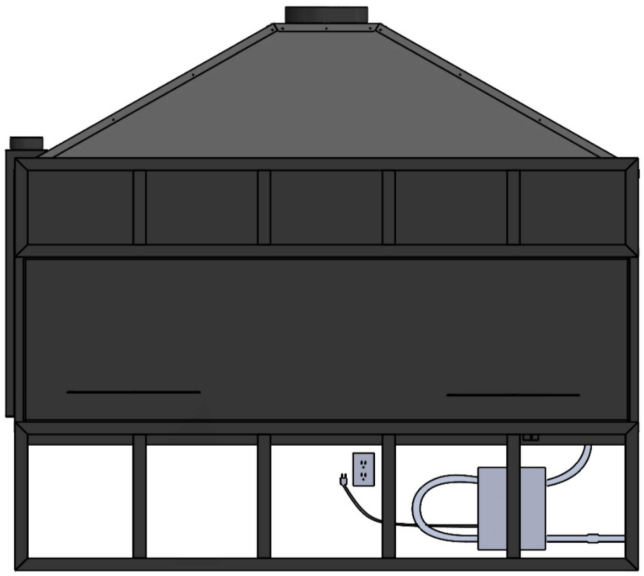


Combustible Clearences



NOTE: ALL MATERIALS WITHIN 12" OF THE MEDIA TROUGH OF THE APPLIANCE ARE REQUIRED TO BE 100% NON COMBUSTIBLE MATERIALS

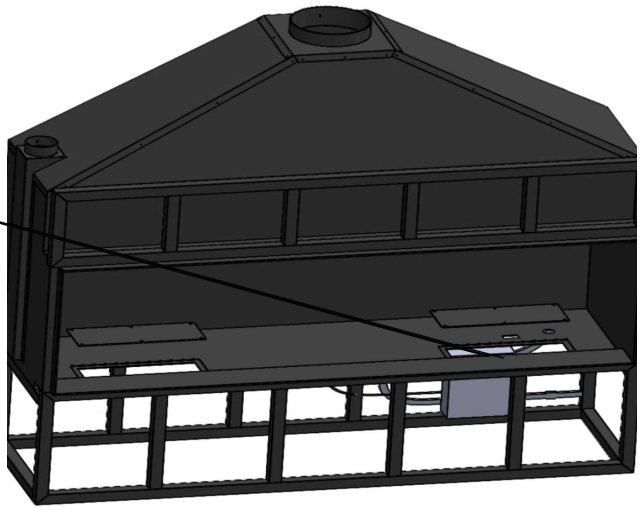
Gas and Electrical



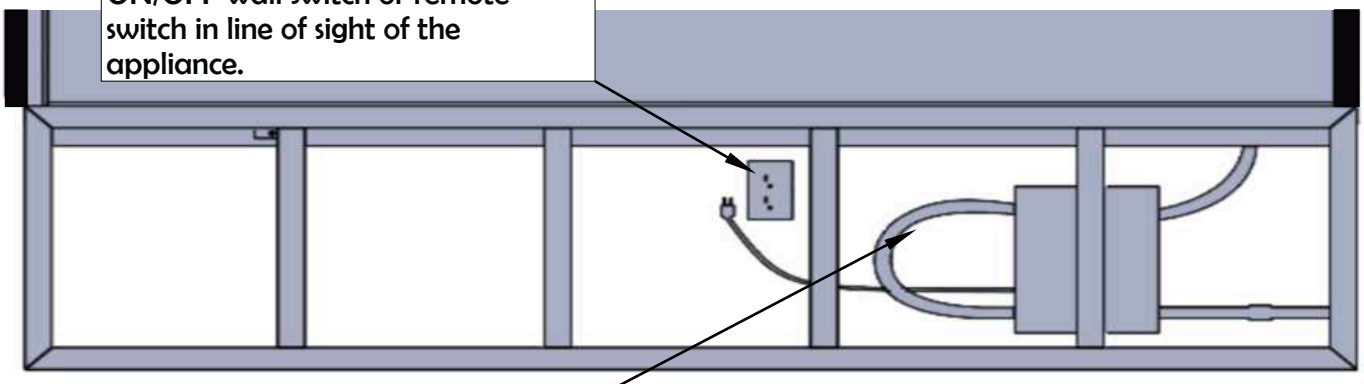
Gas and electrical need to be ran to the side of the appliance that stores the start up box. Run the piping 3-6" above the ground about 12" off of the back wall. Hook up to non whistle flex fittings provided with each unit.

Gas and electrical lines from building to be installed by a qualified and licensed installer.

Burner plate is to be lifted to access full plumbing and electrical from below.

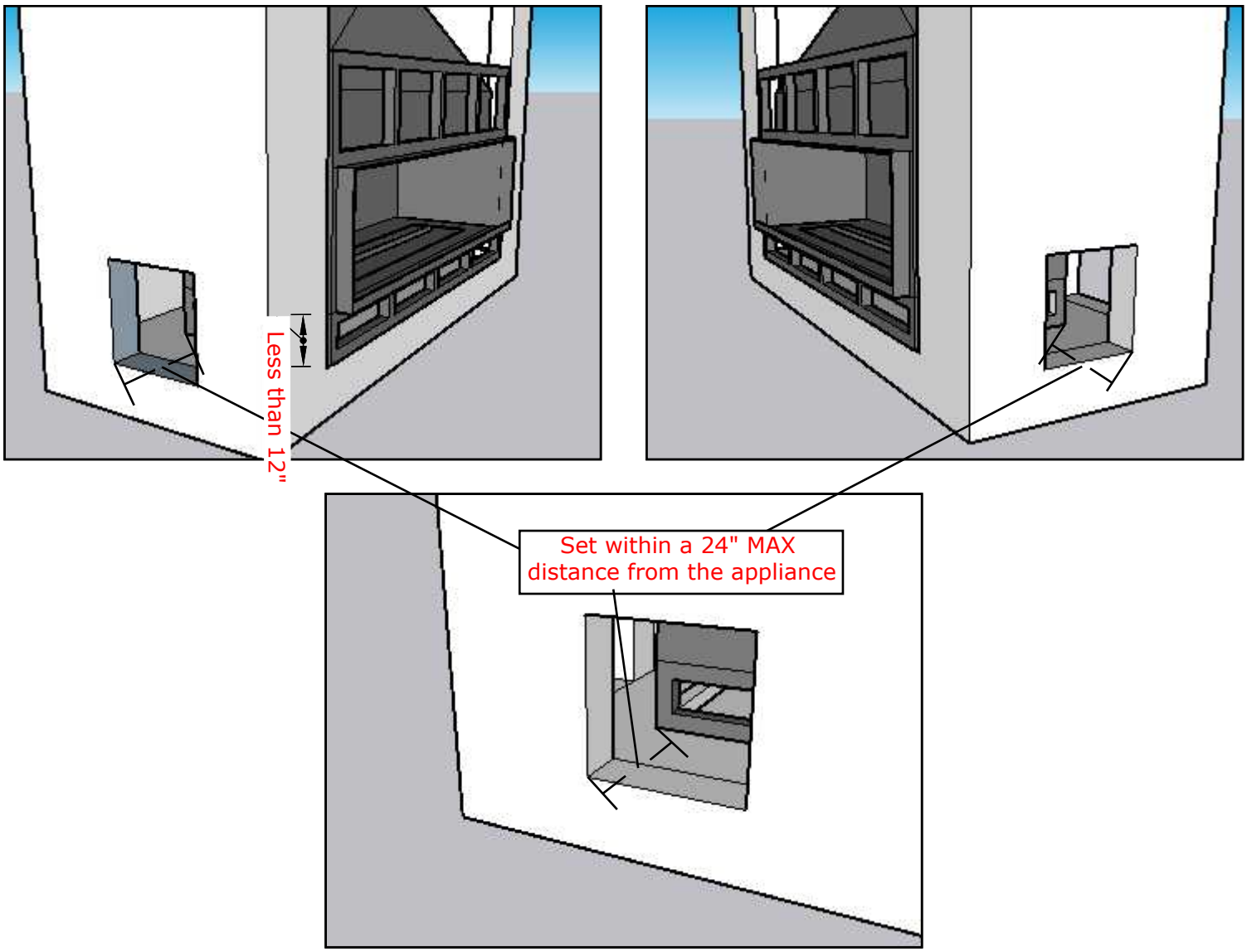


110/120 VAC outlet connected to an ON/OFF wall switch or remote switch in line of sight of the appliance.



Burner and gas valves are equipped with stainless steel/ non whistle flex gas connectors on the inlet and outlet for easy connections below the unit for start up and service.

Access Panel Requirements



Guidelines for Units Positioned Less Than 12 Inches Above Ground Level:

1. In instances where the unit's base is positioned less than 12 inches above the floor, a service cavity must be established to facilitate access to the appliance's gas valve and electronic components.

2. A service cavity of no less than 12 inches by 12 inches in dimension must be situated on either the right, left, or rear side of the appliance, within 24 inches of the unit.

3. The gas line entering the service cavity must be positioned subsequent to the shut-off key valve stage, as it emerges from the building.

4. Consistent with the provisions detailed on page 29 of this manual, all prescribed electrical and plumbing requirements must be rigorously adhered to within the created access cavity.

5. As indicated on page 25 of this manual, compliance with specified combustible distance requirements is imperative on the floor area. For units not installed on a non-combustible surface, such as concrete slabs, additional structural framing may be required, particularly for installations situated on upper levels, to ensure adherence to all applicable safety standards.

Importance of Ventilation

Natural gas is a clean-burning fuel that is extensively used in various appliances such as water heaters, furnaces, stoves, and ovens. When natural gas is burned, it produces carbon dioxide and water vapor, which are relatively harmless to human health. However, incomplete combustion can produce toxic gases such as carbon monoxide, which can cause serious health problems or even death.

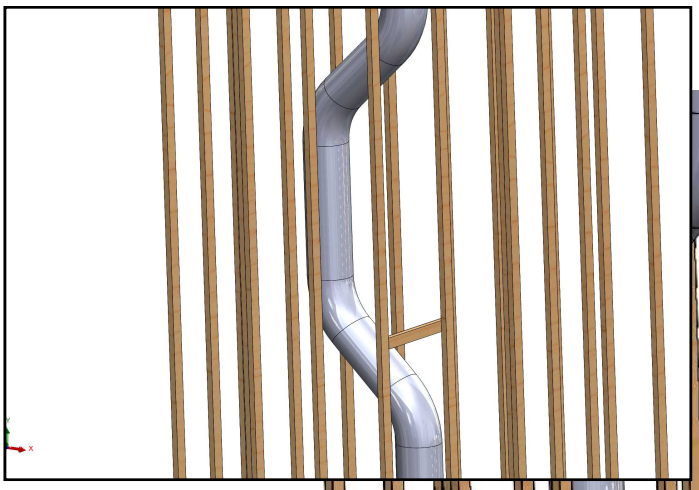
Proper venting is essential to ensure that natural gas appliances operate safely and efficiently. Venting allows for the safe removal of combustion gases, including carbon monoxide, from the living space. Additionally, venting enhances the efficiency of natural gas appliances by introducing fresh air to improve combustion and reduce energy loss. Furthermore, proper venting prevents the accumulation of harmful substances that can lead to corrosion and system failure.

Inadequate venting is a common cause of accidents related to natural gas appliances. Poorly vented appliances can create negative pressure, causing the combustion gases to back up into the living space, leading to the buildup of carbon monoxide. Carbon monoxide poisoning symptoms include headaches, fatigue, nausea, dizziness, and in severe cases, unconsciousness and death. Therefore, all natural gas appliances should be vented properly to prevent dangerous levels of carbon monoxide from accumulating in the living space.

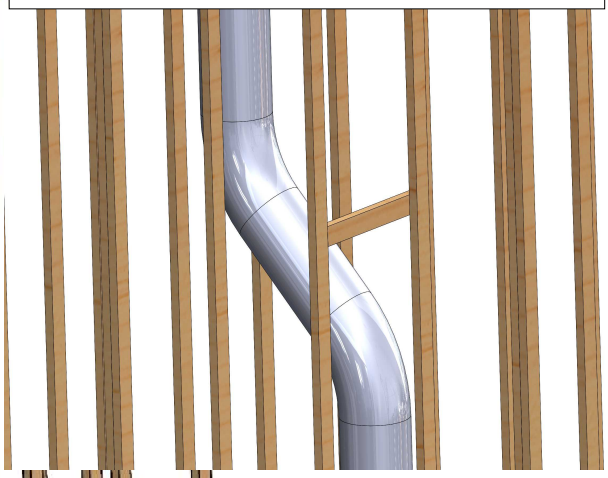
In conclusion, proper venting of natural gas appliances is essential for ensuring safety and efficient operation. It is crucial to have all natural gas appliances regularly inspected and maintained by a qualified professional. Homeowners should also have carbon monoxide detectors installed in their homes to detect any dangerous levels of carbon monoxide. By taking these precautions, we can ensure that natural gas appliances operate efficiently and safely, providing a comfortable and healthy living space.

Venting Guide

In any given flue pipe installation, it is crucial to restrict directional alterations to no more than two without incorporating a mechanism to assist in the mechanical drafting of uncombusted gases. It is worth noting that INFINITI FIRE exclusively approves the usage of flue pipes carrying the UL listing or NRTL endorsement to be affixed to its appliances. Compliance with local regulations is essential, ensuring adherence to requisite clearances and meeting the specifications delineated by the flue pipe manufacturer.

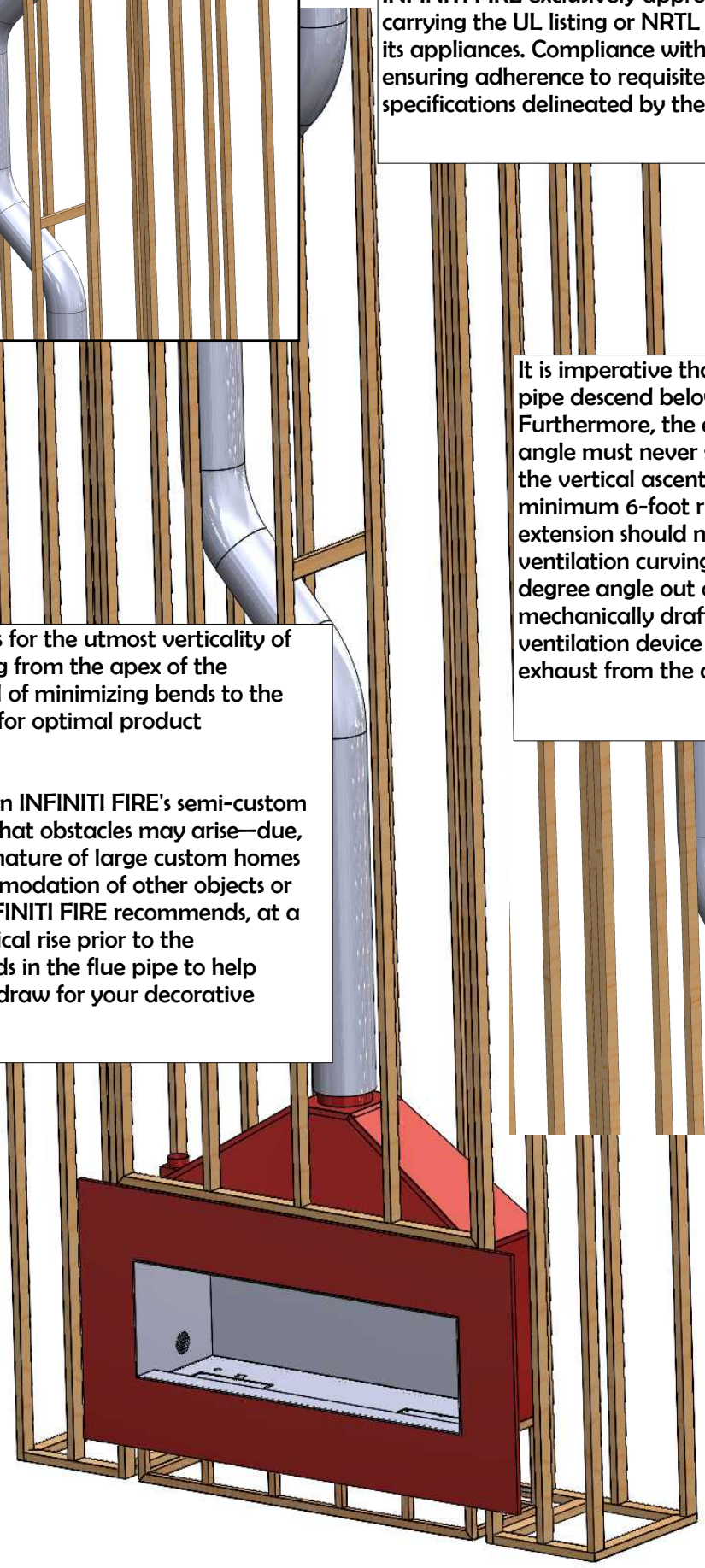


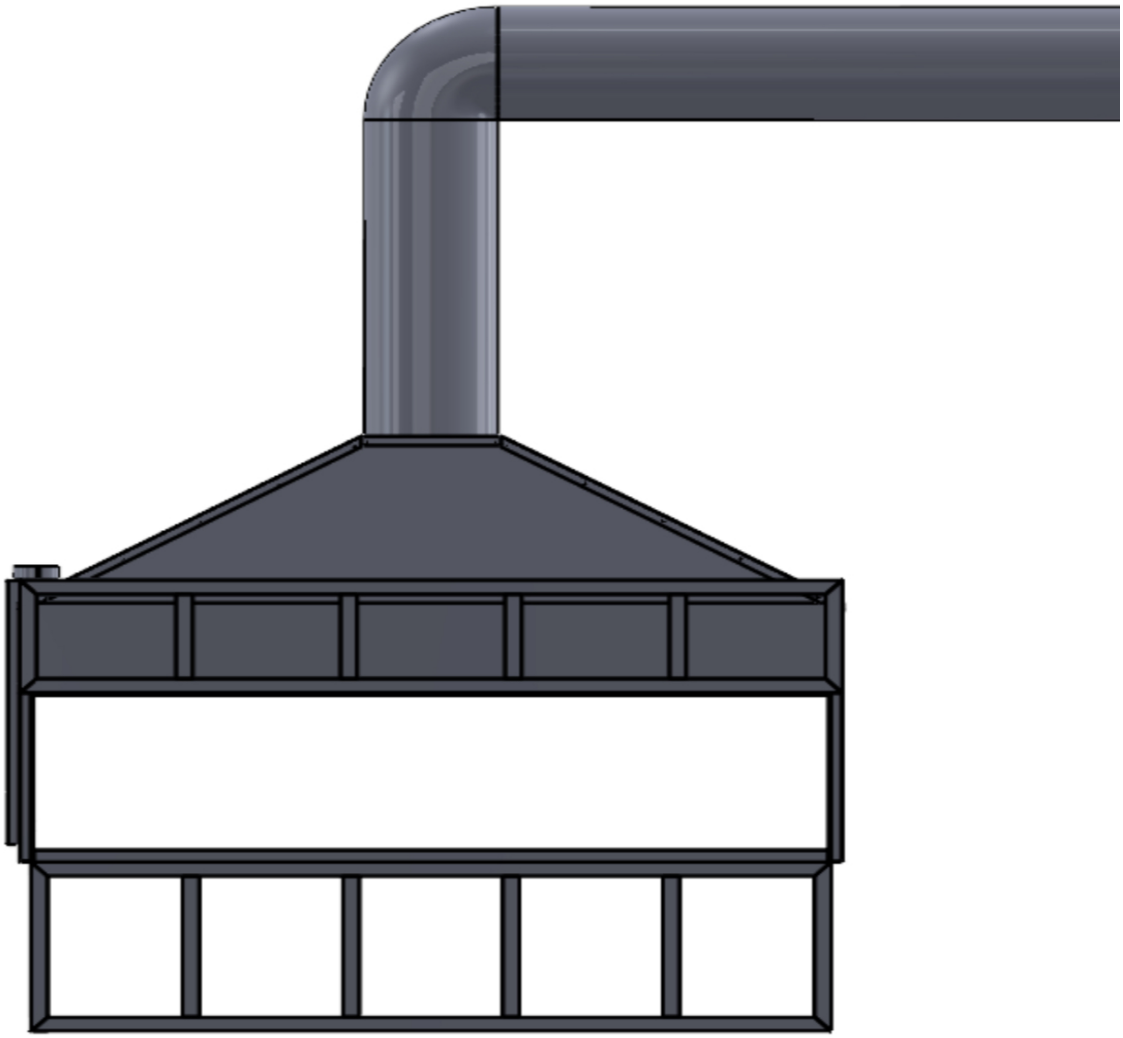
It is imperative that no curvature in the flue pipe descend below a 45-degree angle. Furthermore, the extension of the pipe on the angle must never surpass half the distance of the vertical ascent below. To illustrate, given a minimum 6-foot rise, the maximum angular extension should not exceed 3 feet. Any ventilation curving beyond 45 degrees, to a 90 degree angle out of the wall, must be mechanically drafted by a UL listed or a NRTL ventilation device built to take the heat exhaust from the decorative gas appliance.



INFINITI FIRE advocates for the utmost verticality of the flue pipe, emanating from the apex of the appliance, with the goal of minimizing bends to the greatest extent feasible for optimal product performance.

Taking into consideration INFINITI FIRE's semi-custom nature, it is recognized that obstacles may arise—due, in part, to the intricate nature of large custom homes and the need for accommodation of other objects or items. In light of this, INFINITI FIRE recommends, at a minimum, a 6-foot vertical rise prior to the introduction of any bends in the flue pipe to help create a better natural draw for your decorative vented gas appliance.





Should your architectural plans not accommodate the venting system as delineated in the section titled "Venting Guide" it is advisable to initiate communication with ENERVEX, Inc. (formerly known as EXHAUSTO) by dialing 800-255-2923. This esteemed organization is prepared to conceive a venting system that not only meets but is tailored specifically to your requirements. These power-vented configurations adhere rigorously to the stipulations and guidelines set forth in the NFPA 54/ANSI Z223.1 National Fuel Gas Code.

It is incumbent upon you to ensure compliance with the regulatory standards and codes as enforced by the local governing body in your jurisdiction. The engineering team at ENERVEX possesses a profound understanding of Infiniti Fire systems, thus enabling the implementation of solutions that notably reduce the visibility of vent pipes on the exterior of your dwelling. Additionally, it is pertinent to note that the application of these systems facilitates the horizontal venting of fireplaces, offering a versatile solution to venting requirements.

Venting Guide

NATURAL DRAFT

The Infiniti Fire, Infiniti Series units are engineered to function predominantly with a natural draft in a wide array of conditions. However, Infiniti Fire disclaims responsibility for overcoming the mechanical drafts that may arise across both commercial and residential environments. Various devices, ranging from air handlers to the return air components of HVAC systems, can adversely influence the natural draft capabilities of the appliance. This interference could result in the infiltration of unwanted odors and soot into spaces with existing mechanical drafts.

To mitigate these challenges, Infiniti Fire authorizes the integration of additional devices specifically designed to assist in optimizing the draft of their units.
Among these is the proprietary V-Damper, which can be incorporated to bolster natural drafting as intended. (See page 30 for details)

MECHANICAL DRAFT

Furthermore, approved technologies such as the ENERVEX RS (top mount) and RSIF (inline) fan units are available for mechanical drafting when required. Infiniti Fire recommends pre-wiring for such options to ensure compliance with local jurisdictional mandates. These solutions are sanctioned for continuous use on the condition that installation adheres to the Enervex manual, executed by professionals responsible for the flue pipe system's design. (See page 31 for details)

DAMPER NOTES

Notably, the Infiniti Fire, Infiniti series units are not equipped with a damper mechanism for opening and closing the vent in the hood of the appliance. This design choice ensures that all units remain compliant with ICC Codes: M1802.2 on Vent Dampers

Automatically operated dampers must meet UL 17 standards and be installed according to their listing and labeling specifications. The configuration must prevent burner operation when the damper is not securely open. Additionally, Infiniti Fire endorses the use of Enervex MDF and ADF top-mounted and inline automatic dampers. These devices are adept at sealing the open flue pipe at the top of the unit and function reliably in accordance with established guidelines. (See page 32 for details)

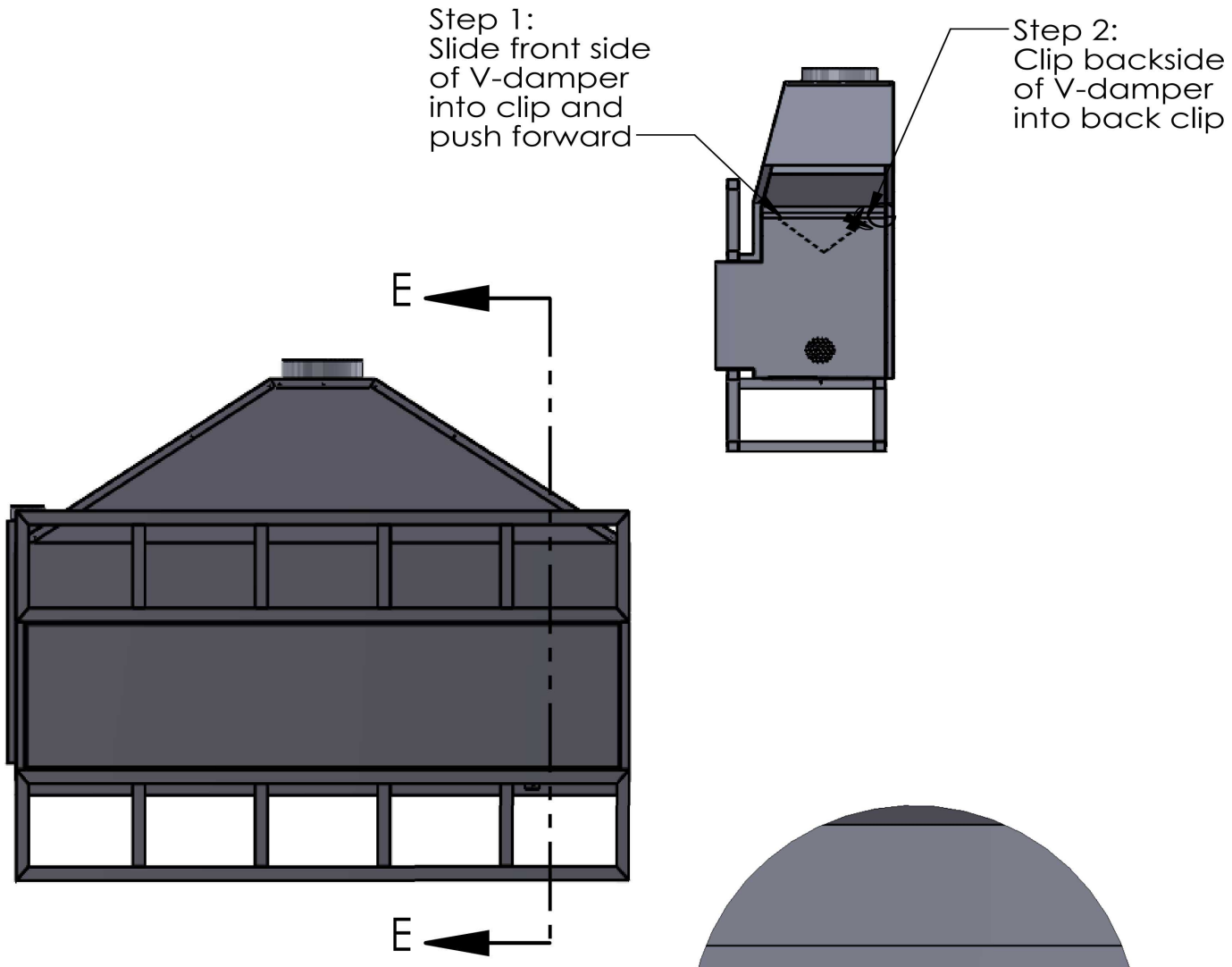
HEAT AND ELECTRONICS OVER THE APPLIANCE

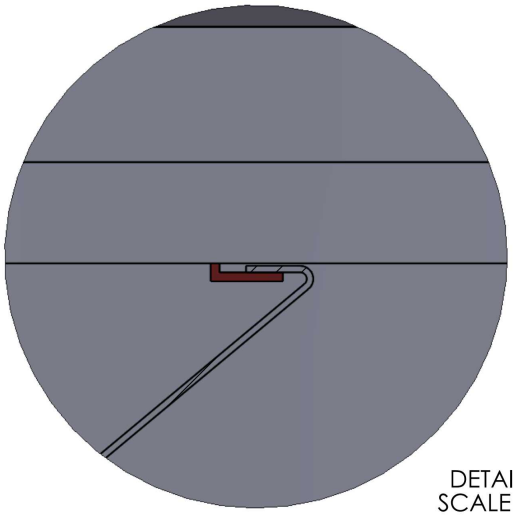
Infiniti Fire disclaims all responsibility for any electronic devices or components located above or around its units. The appliance generates heat as a byproduct of the live fire, and the amount of heat expelled from each unit cannot be determined at the factory due to varying environmental conditions. This variability can affect the appliance's functionality.

Please understand that the purpose of the ventilation system is to eliminate harmful gases and unwanted byproducts through the chimney. It is not designed to remove heat from the unit. To aid in cooling, mechanical fans that force air movement to promote drafting up the chimney are recommended.

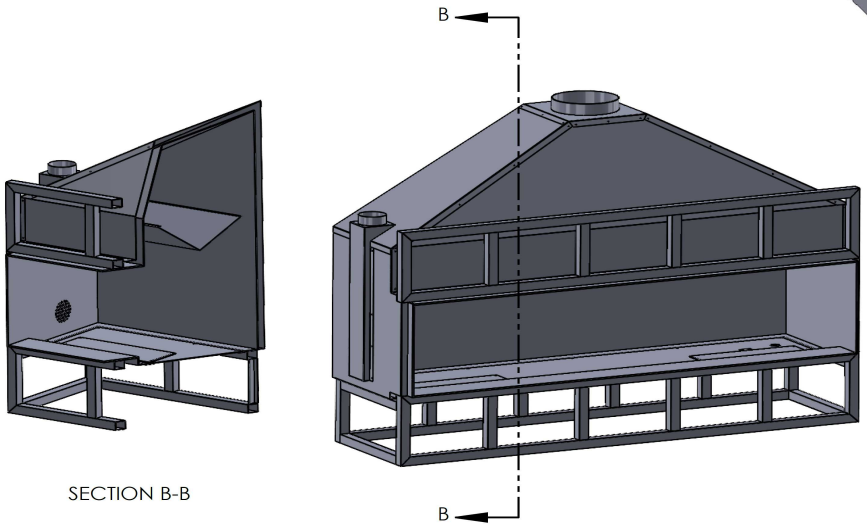
Additionally, employing mantles or other architectural features can be an effective method to redirect unwanted heat in alternative directions. Please take necessary precautions to protect nearby electronics and components.

Optional Venting Accessories





DETAIL G
SCALE 1 : 1



SECTION B-B

ENERVEX®
RS 009-016 CHIMNEY FAN

3932001 03.16 **Product Information**

Use
The RS Chimney Fan is an exhaust fan used to maintain proper draft in a gas/oil chimney or stack system. Typical applications include venting of:

- Fireplaces
- BBQs
- Pizza ovens & Stoves

Description
The RS Chimney Fan is specifically designed for applications where efficient operation, low noise level, low energy consumption, variable speed and compact design are of utmost importance. It should be installed at the termination point of the chimney or stack section and can be mounted on masonry or metal chimneys. It is typically mounted in the vertical position, but may be sidewall vented as well.

The fan assures a negative pressure is maintained in the entire chimney or stack system. The fan discharges horizontally (vertically, if side-wall vented) at a high velocity.

The fan housing is hinged and the top can be opened for easy service and access to stack.

The RS is for use where flue gas temperatures do not exceed 575°F (300°C) for intermittent operation and 482°F (250°C) for continuous operation.

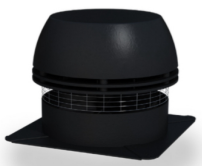
The RS Chimney Fan is a component of the IntelligentDraft® System.

Material
Housing is 3/16" thick cast aluminum. Finished with one coat of grey hammerpaint for added corrosion resistance.

Axial vanes are stainless steel, dynamically and statically balanced to assure low noise level and vibration-free operation.

Motor
Split capacitor, totally enclosed. Class H insulated, IP54 Protection Class. Sealed ball bearings. Variable Speed. Thermal overload protection.

Standard Equipment
- 2"x4" or 4"x4" Junction Box with Cover and Conduit
- Fiber Mat and Mounting Brackets
- Bird Screen
- 5 Amp Fan Speed Control



Optional Equipment
- ADC 100 Fan Control
- ADC 150 Fan Control
- EFC 211 Fan Control
- PDS Proven Draft Switch
- FSC Fan Speed Control
- SCA Steel Chimney Adaptor
- MFD-S Manual Fireplace Damper
- MFD Mechanical Fireplace Damper

Listings
The RS 009-016 Chimney Fan is ETL Listed in the U.S. and Canada under file no. 514733:

- UL378 Standard for Draft Equipment (for non-solid fuel installations only)
- CSA-CAN3-B255-M81 Standard for Mechanical Flue Gas Exhausters (for non-solid fuel installations only)

Approvals
- CE Compliant
- The Commonwealth of Massachusetts
- City of Los Angeles, CA (RR 8474)
- Manufactured at ISO9001 certified plant

Warranty
- 2-Year Factory Warranty
- 10-Year Factory Warranty Against Corrosion Perforation

Complete warranty conditions are available from ENERVEX Inc.

Intertek
ETL File 514733

ENERVEX Inc.
1685 Bluegrass Lakes Parkway
Alpharetta, GA 30004
USA

P: 770.587.3238
F: 770.587.4731
T: 800.255.2923
info@enervex.com
www.enervex.com

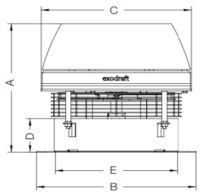
ENERVEX® VENTING DESIGN SOLUTIONS

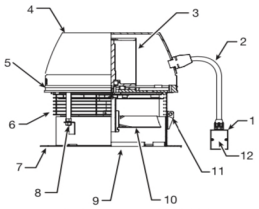
ENERVEX®
RS 009-016 CHIMNEY FAN

3932001 03.16 Product Information

Specifications

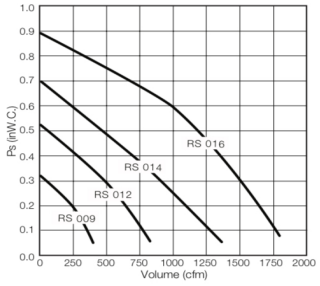
Model			RS 009	RS 012	RS 014	RS 016
Discharge			Horizontal			
Fan Type			Axial Vane			
Motor Type			Totally enclosed, Variable speed, Class H			
Voltage		VAC	1x120V @ 60 Hz			
Amperage		Amps	0.5	1.2	1.4	3.9
RPM			1600			
CFM		@0.0 Ps	450	950	1400	1950
Motor Output		hp / kW	1/30 / .025	1/10 / 0.08	1/7 / 0.1	1/3 / 0.25
Weight		lbs / kg	29 / 13	37 / 17	47 / 21	61 / 28
		kg	13	17	21	28
Dimensions	A	in / mm	10.2 / 259	11.5 / 292	13.1 / 334	16.0 / 407
	B x B	in / mm	11.7 / 296	14.3 / 364	16.6 / 422	18.8 / 478
	C	in / mm	10.8 / 275	13.5 / 344	15.5 / 395	17.4 / 441
	D	in / mm	3.0 / 75	3.3 / 85	3.9 / 100	3.9 / 100
	E	in	9.4 / 238	11.6 / 294	13.5 / 342	15.4 / 391
Temperature Rating		Interm.	575°F / 300°C			
		Cont.	482°F / 250°C			





1 Junction box
2 Conduit/cord
3 Motor
4 Motor housing
5 Motor plate
6 Bird screen
7 Base plate
8 Locking nut
9 Inlet
10 Axial vane
11 Hinges
12 Capacitor (inside junction box)

Capacity



Sound Data

Model	Lw dB (measured in accordance with ISO 3744)							Lp dB(A)
	125Hz	250Hz	500Hz	1000Hz	2000Hz	4000Hz	8000Hz	
RS009	54	50	47	43	38	31	25	21
RS012	64	60	55	52	48	42	34	30
RS014	75	69	65	62	57	51	44	41
RS016	81	76	72	69	64	58	52	47

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ENERVEX® VENTING DESIGN SOLUTIONS

ENERVEX®
RSIF POWER VENTER

3902008 05.17 **Product Information**

Use
The RSIF Power Venter is intended for use as an in-line draft inducer. It is specifically designed for applications where reliable and efficient operation, low noise level, low energy consumption, variable speed and compact design are of utmost importance.

Typical applications are: mechanical venting of gas-fired boilers and water heaters. For indoor installation only.

Description
The RSIF Power Venter is an efficient, high-temperature ventilator with forward-inclined impeller. The ventilator housing is made of galvanized steel and insulated on all sides with fiberglass mats. The insulation assures a very low noise level and reduces the risk of condensation.

The RSIF is equipped with a direct drive, energy-efficient, totally enclosed, variable speed motor.

A service door on the front provides access to the inside of the fan and the duct connections. The motor and impeller are mounted on the door. A lockbolt on the outside of the housing secures the door.

The duct connections are of the slip connection type with adaptors available for ease of installation.

The Power Venter can be mounted on vibration isolating support legs or from ceiling mounted brackets.

The RSIF model is approved for temperatures up to 400°F (205°C), non-condensing applications.

Material
The housing is made of galvanized steel and insulated with 1.25" thick fiberglass mats.

Motor
Commercial grade, totally enclosed, variable speed single-phase motor. Class F insulation class motor with sealed and permanently lubricated ball bearings. Thermal overload protection.

Listings
The RSIF Power Venter is ETL Listed in the U.S. and Canada to:

- UL 378 Standard for Draft Equipment
- CSA-CAN3-B255-M81-Mechanical Flue Gas Exhausters

CE compliant.

Manufactured at ISO9001 certified plant.

Warranty
2-Year Factory Warranty.

Intertek

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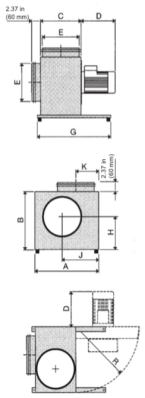
ENERVEX® VENTING DESIGN SOLUTIONS

ENERVEX®
RSIF POWER VENTER

3902008 05.17 Product Information

Specifications

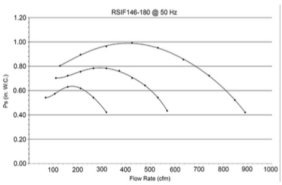
Model			RSIF 146	RSIF 160	RSIF 180
Fan Type			Centrifugal Impeller (F-Wheel)		
Motor Type			TEFC		
Voltage		VAC	1x120		
Amperage		Amps	1.2	2.9	5.8
Motor Output		HP	1/10	1/4	1/2
		kW	0.08	0.16	0.35
RPM			1600		
Weight		lbs	28	38	60
		kg	13	17	27
Duct Connection (Nominal)	E	in	6	8	8
Dimensions	A	in	13.60	14.57	16.15
		mm	345	370	410
	B	in	11.62	12.60	13.98
		mm	29 5	320	355
	C	in	7.88	9.26	9.26
		mm	200	235	235
	D	in	4.33	5.52	7.68
		mm	110	140	195
	E	in	6.3	7.9	7.9
		mm	160	200	200
	G	in	13.78	15.75	15.75
		mm	350	400	400
	H	in	6.50	7.10	7.88
		mm	165	180	200
	J	in	7.88	8.27	9.26
		mm	200	210	235
	K	in	4.33	5.12	5.12
		mm	110	130	130
	R	in	13.60	14.57	16.15
		mm	345	370	410



Accessories

Accessory	RSIF 146	RSIF 160	RSIF 180
Control Kit	ADC100/ADC150	ADC100/ADC150	ADC100/ADC150
Fan Speed Control	FSC5	FSC5	FSC8
Proven Draft Switch	EXH1130	EXH1130	EXH1130

Capacity



Sound Diagram

Model	Lw dB							Lp DB (A)
	125Hz	250Hz	500Hz	1000Hz	2000Hz	4000Hz	8000Hz	
RSIF 146	48	48	48	41	38	35	32	40
RSIF 160	53	54	51	43	39	36	32	41
RSIF 180	55	60	53	46	41	36	32	47

Tolerance: +/-3 dB

Lw: Sound Power Level. Noise to surroundings.

Lp: Sound Pressure Level. 3 feet (1 m) from the center of the fan.

Note: A sound power level of 30 dB is equivalent to a voice at a very soft whisper. A sound power level of 70 dB is equivalent to a voice at conversational level.

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ENERVEX® VENTING DESIGN SOLUTIONS

ENERVEX®
MFD MECHANICAL FIREPLACE DAMPER

3912053 07.16 **Product Information**

Use
The MFD Mechanical Fireplace Damper prevents conditioned air from escaping up through the chimney when the fireplace is not in use, and prevents backdraft down the chimney. It is designed for chimney top installations

Description
The MFD is used as a component in a combined fan and damper system. The damper actuator can be interlocked to a control (ADC100 or ADC150) so it only operates when the fireplace is in use and the fan is running.

The MFD is powered by a 120 or 24 VAC actuator. The actuator is interlocked to the control so it only operates when the fireplace is in use and the fan is running. When there is a call for heat from the fireplace, the control begins its operational sequence to open the damper and start the chimney fan. Once the damper opens and there is sufficient draft in the chimney, the control releases the gas valve for fireplace operation.

The actuator has two endswitches to prove damper position (open or closed) and is equipped with the EDrive fail safe system to open the damper in the event of an electrical or mechanical failure.

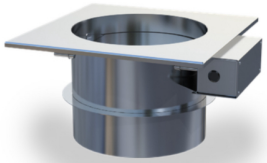
The MFD is designed for chimney top installations and is for use with gas fireplaces only.

The damper is rated for temperatures up to 1400°F (760°C).

Material
All metal components are 316L stainless steel. Top plate is constructed of 16GA and other components are 18GA.

Standard Equipment
- Damper with chimney adapter
- 24VAC or 120VAC acuator
- NEMA 3R Enclosure

Warranty
2-Year Factory Warranty. Complete warranty conditions are available from ENERVEX Inc.



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ENERVEX® VENTING DESIGN SOLUTIONS

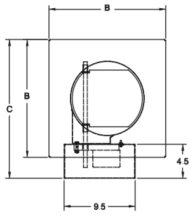
ENERVEX®
MFD MECHANICAL FIREPLACE DAMPER

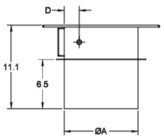
3912053 07.16 **Product Information**

Specifications

Fan Model			RS009 and RS012							
Chimney Size			6"	8"	10"	11"	12"	13"	14"	16"
Dimensions	Ø A	in	5.87	7.87	9.87	10.87	11.87	12.87	13.87	15.87
		mm	149	200	251	276	302	327	352	403
	BxB	in	15.60	15.60	15.60	15.60	15.60	15.60	15.60	19.70
		mm	396	396	396	396	396	396	396	500
	C	in	15.75	16.75	17.75	18.25	18.75	19.25	19.75	22.80
		mm	400	425	451	463	476	489	502	579
	D	in	2.11	2.27	2.44	2.52	2.61	2.69	2.77	2.94
		mm	54	58	62	64	66	68	70	75

Fan Model			RS014 and RS016								
Chimney Size			8"	10"	11"	12"	13"	14"	16"	18"	20"
Dimensions	Ø A	in	7.87	9.87	10.87	11.87	12.87	13.87	15.87	17.87	19.87
		mm	200	251	276	302	327	352	403	454	505
	BxB	in	19.70	19.70	19.70	19.70	19.70	19.70	19.70	23.30	24.50
		mm	500	500	500	500	500	500	500	592	622
	C	in	18.80	19.80	20.30	20.80	21.30	21.80	22.80	25.60	27.20
		mm	477	503	516	528	541	554	579	650	691
	D	in	2.27	2.44	2.52	2.61	2.69	2.77	2.94	3.11	3.27
		mm	58	62	64	66	68	70	75	79	83





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ENERVEX® VENTING DESIGN SOLUTIONS

ENERVEX®
ADM AUTOMATIC DAMPER

3902020 04.18 **Product Information**

Use
The ADM Automatic Damper is a single blade, two position damper powered by an actuator. It is used to balance draft in a boiler connector and to reduce boiler stand-by losses. It is for installation with gas-fired or oil-fired equipment only.

Description
The ADM Automatic Damper is powered by a 120VAC or 24VAC/VDC actuator. The actuator is equipped with a fail safe system to open the damper in the event of an electrical or mechanical failure. It has an adjustable NO/NC endswitch to provide damper position open/closed.

The ADM is available in standard stack diameters ranging from 6 to 36 inches. The actuator interlocks with a gas or oil fired heating appliance to open the damper when the appliance is in use, and closes it when the appliance is not in use.

The ADM damper is manufactured with slip connections to connect to chimneys without flange connections. The ADM is rated for temperatures up to 1400°F (760°C).

The ADM should be installed with sufficient clearance above the boiler outlet to allow for damper protrusion into the stack when fully open.

Material
The frame is made of 20 GA 316L stainless steel. The blade is made of 18 GA 316L stainless steel.

Optional Equipment
- Weather proof enclosure for actuator

Listings
The ADM Automatic Damper assembly (damper with actuator) is UL listed in the US and certified for Canada under Underwriters Laboratories Inc. file no. E467733:
- UL 378 Standard for Draft Equipment
- UL 17 Standard for Vent or Chimney Connector Dampers for Oil-Fired Appliances
- ULC/ORD-C378 Draft Equipment
- ANSI Z21.66-1996 Automatic Vent Damper Devices For Use With Gas-fired Appliances

Warranty
2-Year Factory Warranty. Complete warranty conditions are available from ENERVEX Inc.

c UL us LISTED
UL File E467733

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ENERVEX® VENTING DESIGN SOLUTIONS

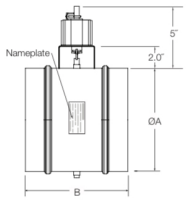
ENERVEX®
ADM AUTOMATIC DAMPER

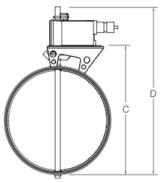
3902020 04.18 **Product Information**

Specifications

Model	Stack ID (in)	Dia. A in / mm	Dim. B in / mm	Dim. C in / mm	Dim. D in / mm
ADM 6	6	5.85 / 146	8.0 / 203	7.85 / 199	10.85 / 276
ADM 8	8	7.85 / 197	8.0 / 203	9.85 / 250	12.85 / 326
ADM 10	10	9.85 / 248	10.0 / 254	11.85 / 301	14.85 / 377
ADM 12	12	11.85 / 298	10.0 / 254	13.85 / 352	16.85 / 428
ADM 14	14	13.85 / 349	10.0 / 254	15.85 / 403	18.85 / 479
ADM 16	16	15.85 / 400	10.0 / 254	17.85 / 453	20.85 / 530
ADM 18	18	17.85 / 451	12.0 / 305	19.85 / 504	22.85 / 580
ADM 20	20	19.85 / 502	12.0 / 305	21.85 / 555	24.85 / 631
ADM 22	22	21.85 / 552	14.0 / 356	23.85 / 606	26.85 / 682
ADM 24	24	23.85 / 603	14.0 / 356	25.85 / 657	28.85 / 733
ADM 26	26	25.85 / 654	16.0 / 406	27.85 / 707	30.85 / 784
ADM 28	28	27.85 / 705	16.0 / 406	29.85 / 758	32.85 / 834
ADM 30	30	29.85 / 756	16.0 / 406	31.85 / 809	34.85 / 885
ADM 32	32	31.85 / 806	16.0 / 406	33.85 / 860	36.85 / 936
ADM 34	34	33.85 / 857	18.0 / 457	35.85 / 911	38.85 / 987
ADM 36	36	35.85 / 908	18.0 / 457	37.85 / 961	40.85 / 1038

Other sizes available upon request.





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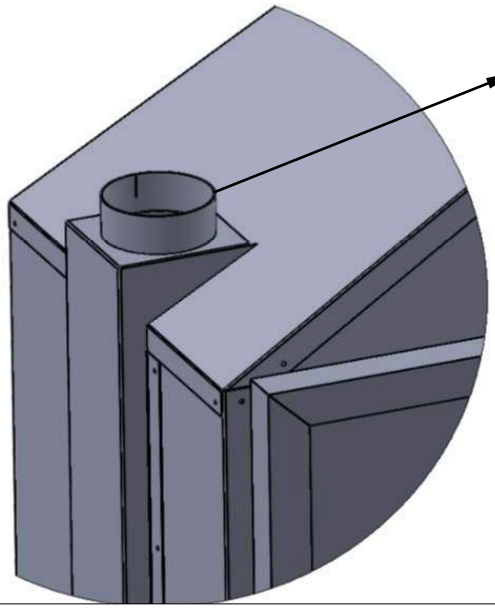
ENERVEX® VENTING DESIGN SOLUTIONS

Outside Air Intake

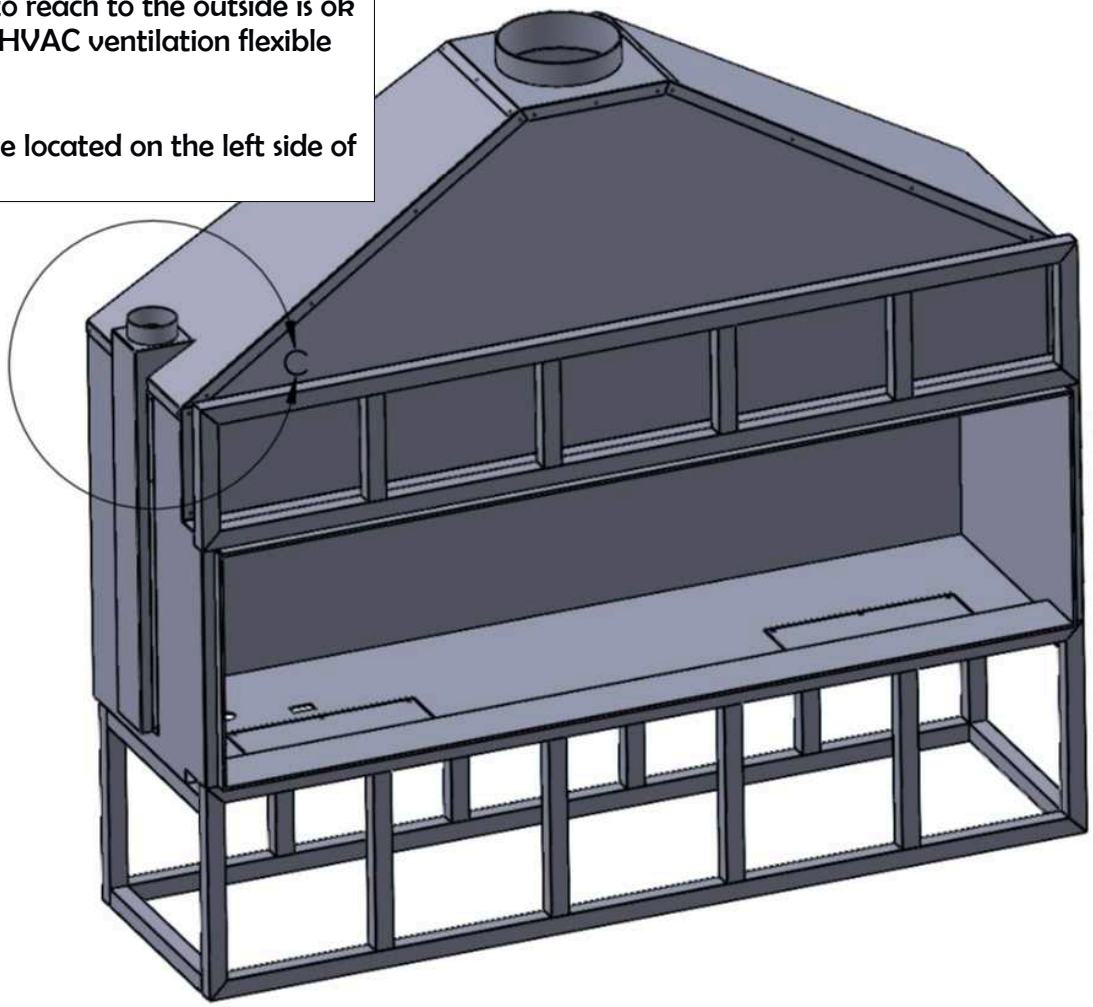
4" rigid aluminum flex line to connect to optional outside air kit. This must be connected up in jurisdictions that require an outside air kit.

If not required for local codes it is ok to cap with 4" pipe cover.



Outside air is to connect to snorkel fitting on the round pipe and ran to the exterior of the building with 4" heavy-duty semi-rigid aluminum duct. Any additional flex needed to reach to the outside is ok to switch to a standard HVAC ventilation flexible duct.

The snorkel fitting will be located on the left side of each fireplace.

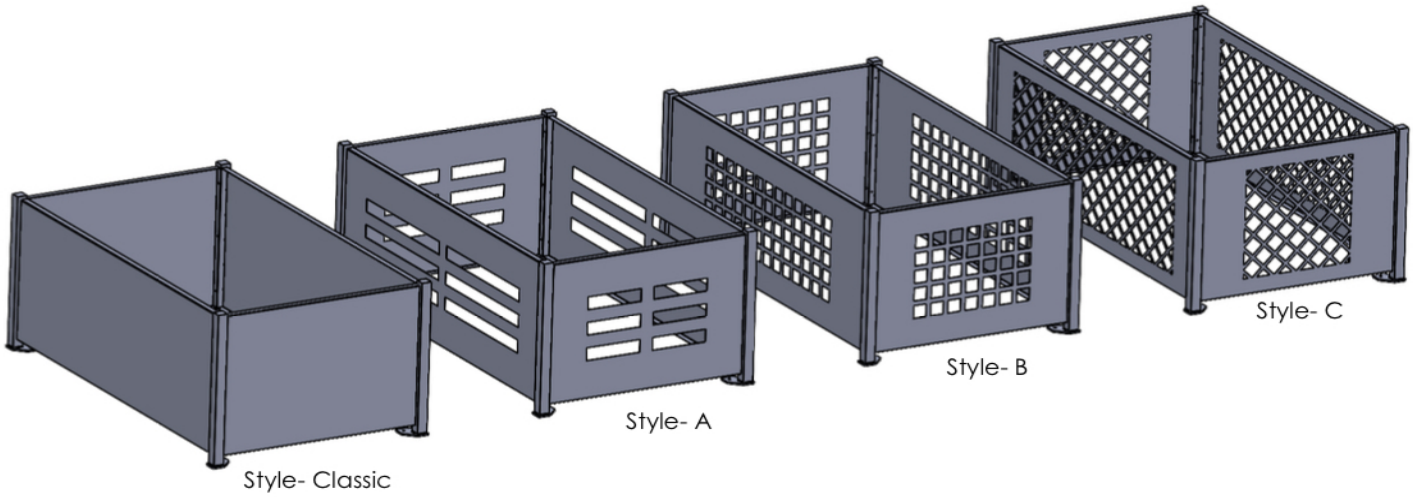


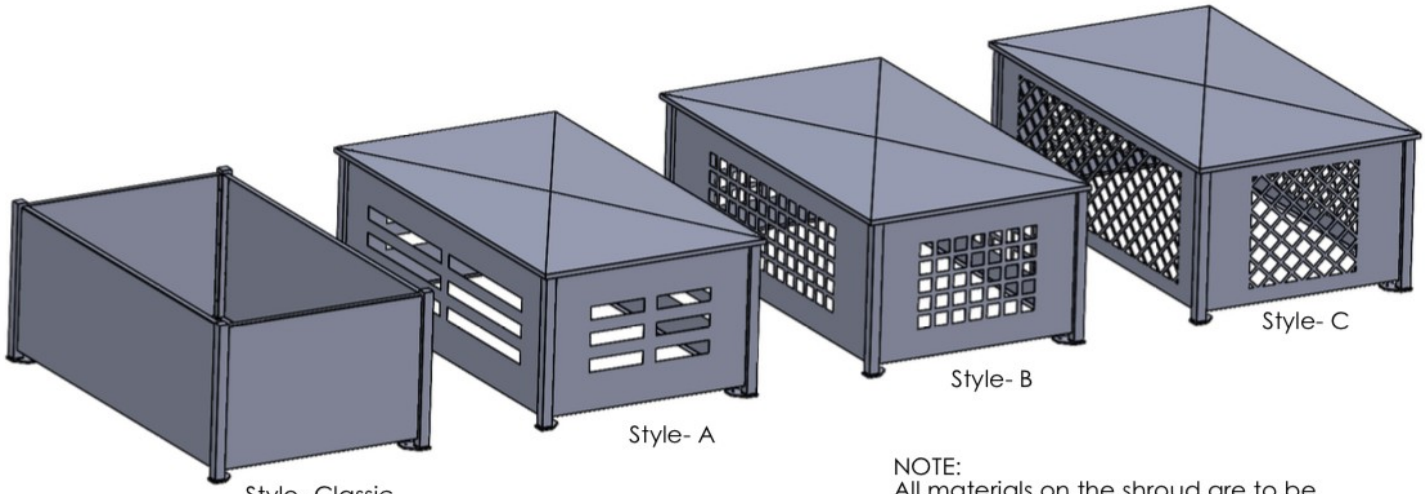
Chimney Shrouds

Infiniti Fire approves styles Classic, A, B, and C of chimney shroud details shown below. The approved shrouds are to disguise or shield the view of the vent cap at the end of the flue pipe run coming from the appliance while allowing the unit to operate as designed.

Material Options:
-16GA carbon steel- High heat paint matching Infiniti Fire appliance finish
-1/8" aluminum- High heat paint matching Infiniti Fire appliance finish

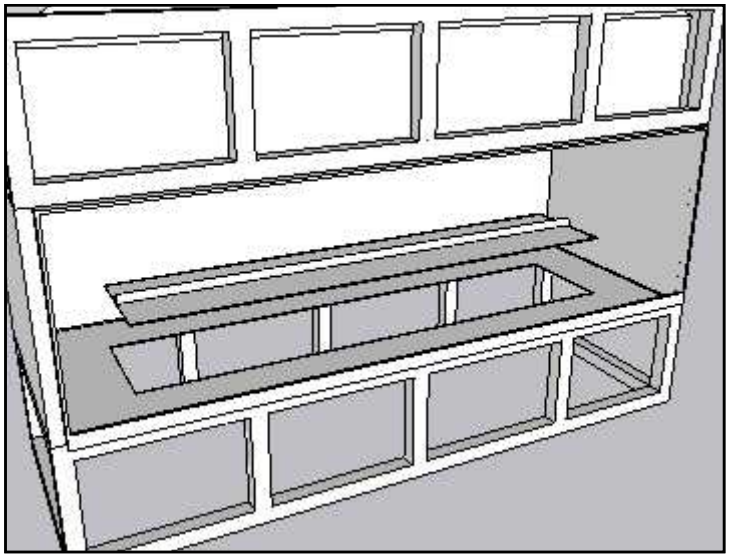
Different powdercoat colors and finishes not available at this time

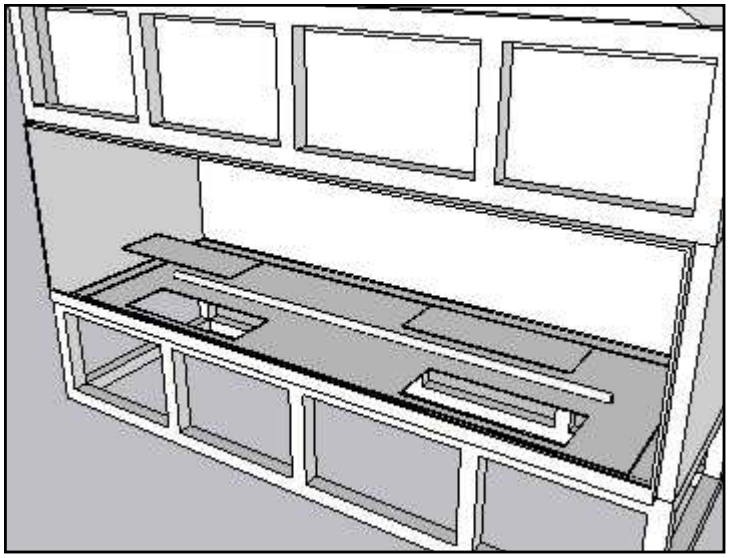


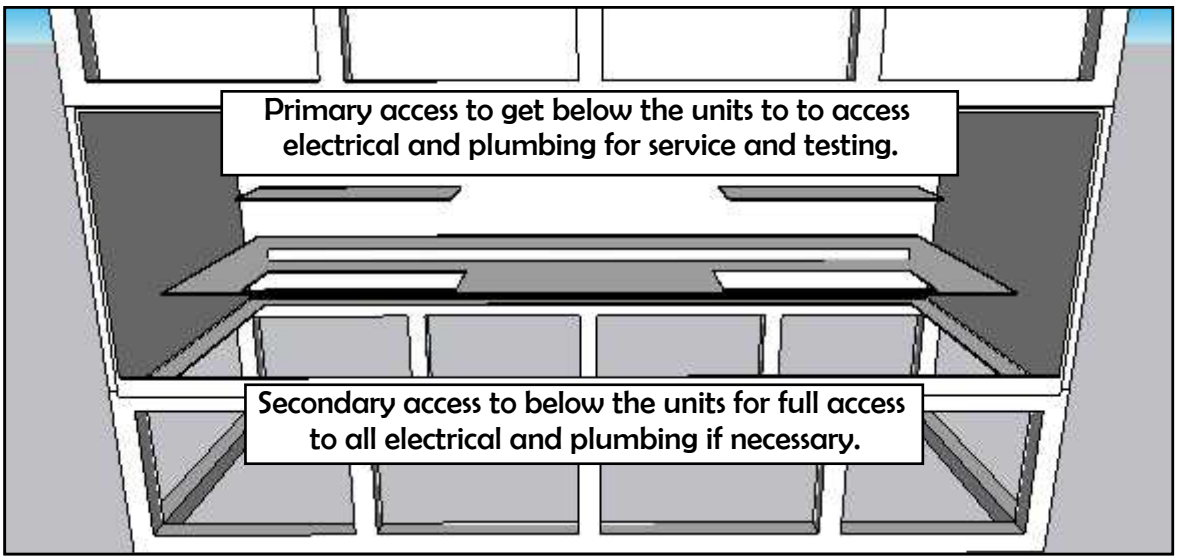


NOTE:
All materials on the shroud are to be no closer than 1" from the chimney cap at the end of the run of flue pipe coming from the appliance below.

Start Up Safety Requirements







The importance of safety is incumbent upon us and the necessity for a licensed or fully accredited technician to test all gas connections below or by the appliance and are sealed properly.

This procedure requires a combustible-gas-detection instrument to verify, beyond a shadow of doubt, the secure and proper fastening of all compression and flare fittings to the appliance. Other leak test liquids are also valid tests to perform and assure all connection points below or by the appliance are sealed.

This verification can not be downplayed or skipped, as it is the most important step to the initiation of a fire for the first time in the unit. The verification that all connection points are sealed shall be performed while there is a fire active in the unit and is imperative to test for a period of one minute to assure all connections all the way to the burner are sealed. This safety procedure contributes significantly to the longevity and fail-safe operation of your appliance.

Gas Supply

Caution: The gas line should be installed by a qualified service person in accordance with all building codes. This section is intended as a guide for qualified technicians installing this appliance. Consult local and/or national building codes before proceeding.

- **NOTE: A sediment trap, as per national fuel gas code, must be installed in the gas supply line no more than 6 feet from the gas control valve to minimize the possibility of any loose scale or dirt within the gas supply line from entering the control valve.**
- **DO NOT HARD PIPE GAS LINE TO VALVE.** A method of disconnecting the valve from the gas line such as a union or flare fitting must be provided to allow for repair or replacement of the gas valve.
-

Check local codes for additional requirements.

1. Connect the gas supply to the valve
2. Turn on the gas supply and check that all connections are tight and leak free.

WARNING: Use EXTREME CAUTION when using soap and water to do a leak test on the valve/fittings. There are electronics around and below the valve, that can/will be damaged if they come in contact with water.

WARNING: The access panel including gasket must be reinstalled after conversion/installation or servicing has been completed. Failure to do so will cause overheating and premature failure of the control system.

Gas Pressure Check

Note: To test the gas pressure, turn off the gas supply before removing the plug from the supply pressure test port or manifold pressure test port.

Verify gas pressures with the fireplace lit and on the highest setting.

Please refer to the Burner Installation Manual for gas pressure testing procedure.

Correct gas pressure requirement:

	Natural Gas	Propane
Min.Pressure (For purpose of input adjustment)	3.5"WC	"WC
Max.Pressure	14"WC	"WC

resideo

S8610U Universal Intermittent Pilot Gas Ignition Control

TECHNICIAN'S QUICK REFERENCE GUIDE

The following service procedure provides a quick overview for the S8610U series control. For more information, refer to form 69-1955.

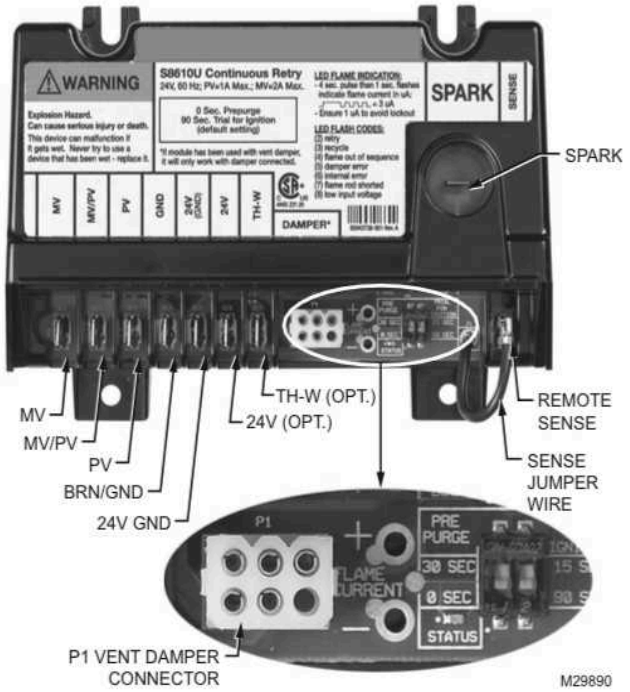


Fig. 1. Typical wiring connections.

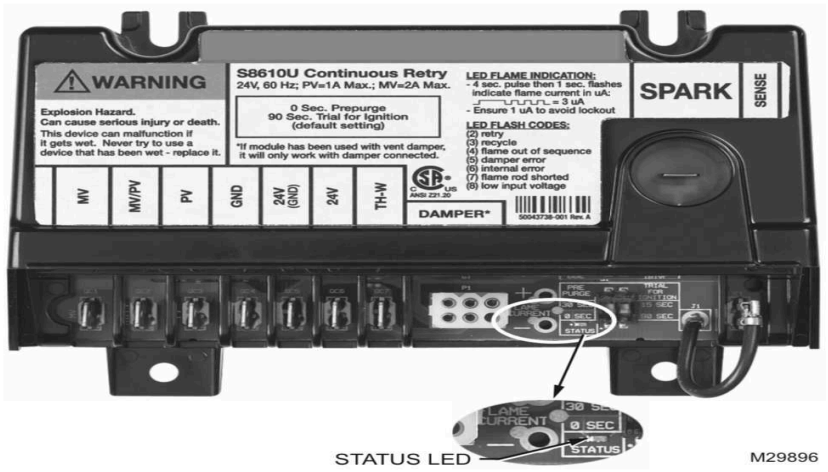
69-2042-01

Table 1. Typical Wiring Connections.

Connector Label	Size or Type	Description
MV	1/4 inch	Main Valve connection
MV/PV	1/4 inch	Common terminal for gas valves
PV	1/4 inch	Pilot Valve connection
BRN GND	1/4 inch	Burner Ground
24V GND	1/4 inch	Return path to transformer
24V	1/4 inch	Optional— 24 Vac power connection for Vent Damper
TH-W	1/4 inch	Connector for "Call for Heat" signal from thermostat
P1	6-pin keyed plug	Connector for Vent Damper connection (used to control a connected damper in atmospheric appliances)
METER (µA)	Ammeter probes	Connection for ammeter probes for measuring flame current in µAmp DC.
SENSE JUMPER WIRE	Wire with 3/16 inch quick connect	Connects to the REMOTE SENSE connector for installations with a single spark rod (local flame sensing) NOTE: For installations with remote flame sensing (separate spark and sensor rods), this jumper wire is clipped as close to the circuit board as possible and the wire is discarded.
REMOTE SENSE	3/16 inch	Flame Sensor connector For single rod installations, connect the SENSE JUMPER WIRE to this terminal connector. For dual rod installations, connect the flame sense wire from the burner/igniter to this terminal connector.
SPARK	1/4 inch	High voltage sparking electrode

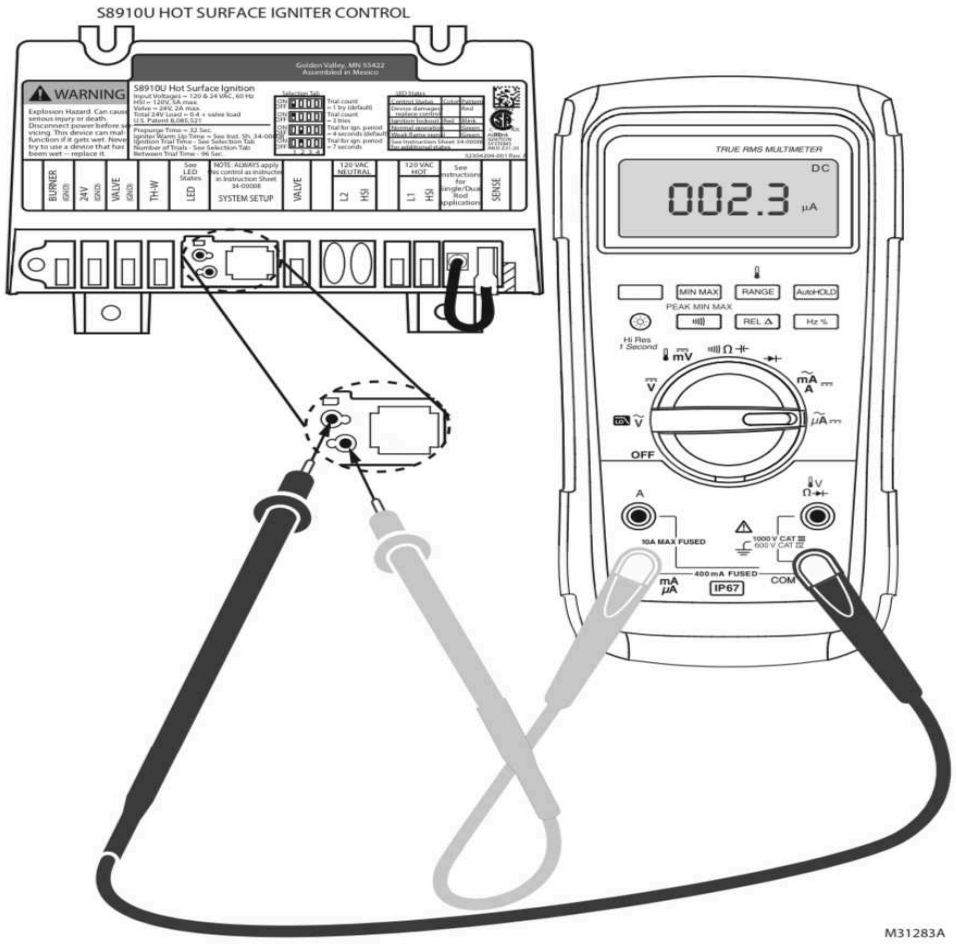
LED STATUS AND TROUBLESHOOTING

The ignition control module has one LED used for flame sensing and system status.



Green LED Flash Code[a]	Indicates	Next System Action	Recommended Service Action
OFF	No "Call for Heat"	Not applicable	None
Flash Fast	Power up - internal check	Not applicable	None
Heartbeat	Normal startup - ignition sequence started (including prepurge)	Not applicable	None
4 Seconds ON then "x" flashes	Device in run mode. "x" = flame current to the nearest μA.	Not applicable	None
2	5 minute Retry Delay – Pilot flame not detected during trial for ignition	Initiate new trial for ignition after retry delay completed.	If system fails to light on next trial for ignition check gas supply, pilot burner, spark and flame sense wiring, flame rod contaminated or out of position, burner ground connection.
3	Recycle – Flame failed during run	Initiate new trial for ignition. Flash code will remain through the ignition trial until flame is proved.	If system fails to light on next trial for ignition, check gas supply, pilot burner, flame sense wiring, contamination of flame rod, burner ground connection.
4	Flame sensed out of sequence	If situation self corrects within 10 seconds, control module returns to normal sequence. If flame out of sequence remains longer than 10 seconds, control will resume normal operation 1 hour after error is corrected.	Check for pilot flame. Replace gas valve if pilot flame present. If no pilot flame, cycle "Call for Heat." If error repeats, replace control.
5	Damper Error: – Damper required but not present – Damper failed to open within 60 seconds – Damper failed to close within 60 seconds	If damper error corrects, ignition control resumes normal operation.	Check damper connection, damper wiring, and 24V connection on control. Replace damper if necessary.
6	Control Internal Error	Control module remains in wait mode. When the fault corrects, control module resumes normal operation.	Cycle "Call for Heat." If error repeats, replace control.
7	Flame rod shorted to ground	Control module remains in wait mode. When the fault corrects, control module resumes normal operation.	Check flame sense lead wire for damage or shorting. Check that flame rod is in proper position. Check flame rod ceramic for cracks, damage or tracking.
8	Low secondary voltage supply	Control module remains in wait mode. When the fault corrects, control module resumes normal operation.	Check transformer and AC line for proper input voltage to the control. Check with full system load on the transformer.

[a]Flash Code Descriptions:
- Flash Fast: rapid blinking.
- Heartbeat: Constant ½-second bright, ½-second dim cycles.
- 4-second solid on pulse followed by "x" 1-second flashes indicates flame current to the nearest mA. This is only available in run mode.
- A single flash code number signifies that the LED flashes X times at 2 Hz, remains off for two seconds, and then repeats the sequence.



SETTINGS AND ADJUSTMENTS

DIP Switch (S1) Settings

When replacing an existing ignition control with the S8610U, refer to 69-1955 for the correct DIP switch settings.

IMPORTANT

Do not power the ignition control prior to setting the DIP switches.

The following timing parameters may be set with this 2-position DIP switch.

Prepurge

To select Prepurge, set **SW1** according to Table 2.

Trial for Ignition (TFI)

To select the Trial for Ignition timing, set **SW2** according to Table 2.

Table 2. DIP Switch (S1) Settings.

Prepurge	Trial For Ignition	SW1	SW2
None	90 seconds	**OFF**	**OFF**
30 seconds	90 seconds	ON	OFF
None	15 seconds	OFF	ON
30 seconds	15 seconds	ON	ON

Fig. 2. DIP Switch (S1) Location.

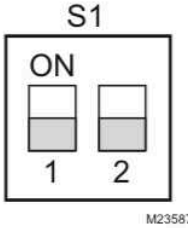


Fig. 3. DIP Switch (S1) - shown with factory default settings (OFF) for SW1 and SW2.

GAS VALVES

Resideo has taken the guesswork out of gas valve selection with our complete line of universal gas valves. Contractors appreciate the reliability, ease of installation and time saved by carrying a select few gas valves on their truck. Carrying Resideo Universal gas valves on each truck reduces the amount of inventory needed so technicians can complete the job in one trip.

VR8345/VR8245

UNIVERSAL ELECTRONIC IGNITION GAS VALVE

- Wide-capacity controls for almost any IP, HSI or DSI gas-fired appliances
- Compact fit simplifies field replacement
- Use with 24 Vac, 50/60 Hz, heating appliances, using natural, manufactured or LP gas
- Use the VR8345Q for a two-stage application, VR8345M for a standard and VR8345K for a slow-opening application
- Capacities from 20 to 200 (VR8245) cfh or 30 to 415 (VR8345) cfh natural gas
- Dual-redundant gas valve design

Q3450C1185/Q3450C2092

SMARTVALVE™ PILOT BURNER

The Q3450 SmartValve™ pilot burners provide pilot flame ignition and sensing for SmartValve™ intermittent pilot systems. They consist of replaceable igniter-flame rod assembly, bracket assembly, pilot target, ground electrode, orifice assembly, compression fitting and spring clip. The igniter lights the pilot burner. The flame rod proves the pilot flame and the pilot flame lights the main burner.

- Used with SV9500/SV9600 SmartValve™ System
- Replaceable Igniter-Flame Rod Assembly (Q3400A)
- Integral keyed plug provides quick, convenient connection of igniter and sensor to SV9500/SV9600
- Q3450 has front or 20 degree right, left flame pattern
- Natural and LP gas orifices available
- Variety of target styles available
- Variety of mounting brackets available

Gas Valves Selection Guide

TRADE REPLACEMENTS*		SPECIFICATIONS				ACCESSORIES INCLUDED					
Universal Service Part	Direct Service Part Replacement	Opening Characteristics (standard, step)	Inlet/Outlet Size (in.)	Pressure Regulator Setting (psi)	Temperature Range	Q340 Thermo-couple	3/4" x 1/2" Reducer Bushing	Natural to LP Conver-sion Kit	3/4" Straight Flange	1/2" x 3/8" Reducer Bushing	Remote Rod Adapter
VR8345M4302	VR8345M4302	Standard	3/4 x 3/4	3.5 in. wc (0.87 kPa)	-40° to 175° F (-40° to 79° C)	None	Two	One	None	None	None
	VR8304M3509	Standard	1/2 x 3/4	3.5 in. wc (0.87 kPa)	-40° to 175° F (-40° to 79° C)	None	One	One	None	None	None
	VR8304M4507	Standard	3/4 x 3/4	3.5 in. wc (0.87 kPa)	-40° to 175° F (-40° to 79° C)	None	Two	One	None	None	None
	VR8305M3506	Standard	1/2 x 3/4	3.5 in. wc (0.87 kPa)	-40° to 175° F (-40° to 79° C)	None	One	One	One	None	None
VR8345K4809	VR8345K4809	Slow	3/4 x 3/4	3.5 in. wc (0.87 kPa)	-40° to 175°F (-40° to 79°C)	None	Two	One	None	None	None
	VR8205H1003	Slow	1/2 x 1/2	3.5 in. wc (0.87 kPa)	0° to 175° F (-18° to 79° C)	None	None	None	None	None	None
	VR8304H4503	Slow	3/4 x 3/4	3.5 in. wc (0.87 kPa)	0° to 175° F (-18° to 79° C)	None	None	One	None	None	None
VR8345Q4563	VR8345Q4563	2-Stage	3/4 x 3/4	1.7 in. wc Low Fire; 3.5 in. wc High Fire	-40° to 175° F (-40° to 79° C)	None	Two	One	None	None	None
VR8245M2530	VR8245M2530	Standard	1/2 x 1/2	3.5 in. wc (0.87 kPa)	-40° to 175° F (-40° to 79° C)	None	None	One	None	One	None
	VR8204A2076	Standard	1/2 x 1/2	3.5 in. wc (0.87 kPa)	0° to 175° F (-18° to 79° C)	None	None	One	One	One	None
	VR8204M1091	Standard	1/2 x 1/2	3.5 in. wc (0.87 kPa)	-40° to 175° F (-40° to 79° C)	None	None	One	One	One	None
	VR8205A2024	Standard	1/2 x 1/2	3.5 in. wc (0.87 kPa)	0° to 175° F (-18° to 79° C)	None	None	One	One	One	None
VR8215	VR8215S1503	Standard	1/2 x 1/2	3.5 in. wc (0.87 kPa)	-40° to 175° F (-40° to 79° C)	None	None	One	None	None	None
	VR8215T1502	Slow	1/2 x 1/2	3.5 in. wc (0.87 kPa)	-40° to 175° F (-40° to 79° C)	None	None	One	None	None	None
VR9205Q	VR9205Q1507	2-stage	1/2 x 1/2	1.7 in. wc (0.42 kPa) low; 3.5 in. wc (0.87 kPa) high	-40° to 175° F (-40° to 79° C)	None	None	One	None	None	None
VR8300M4406	VR8300M4406	Standard	3/4 x 3/4	3.5 in. wc (0.87 kPa)	-40° to 175°F (-40° to 79°C)	None	Two	One	None	None	None
	VR8300A4508	Standard	3/4 x 3/4	3.5 in. wc (0.87 kPa)	0° to 175° F (-18° to 79° C)	None	Two	One	None	None	None
	VR8300A3500	Standard	1/2 x 3/4	3.5 in. wc (0.87 kPa)	0° to 175° F (-18° to 79° C)	None	One	One	None	None	None
	VR8200A2124	Standard	1/2 x 1/2	3.5 in. wc (0.87 kPa)	0° to 175° F (-18° to 79° C)	One	None	One	One	One	None
	VR8200A2132	Standard	1/2 x 1/2	3.5 in. wc (0.87 kPa)	0° to 175° F (-18° to 79° C)	None	None	One	One	One	None
	VR8200A2744	Standard	1/2 x 1/2	3.5 in. wc (0.87 kPa)	0° to 175° F (-18° to 79° C)	None	None	One	One+One Elbow	One	None

*Double check specifications before replacement.
All piloted valves have a 1/4" compression fitting. All the VR valves come set for natural gas, but can be converted to LP gas. All the VR valves have inlet and outlet pressure taps.

COMPETITIVE REPLACEMENT

Universal Service Part	Direct Service Part Replacement	Resideo	White-Rodgers	Robertshaw
VR8345M4302	VR8345M4302		36E36-304, 36C68-423, 36H32-423	
	VR8304M3509	VR8304M2501		
	VR8304M4507	VR8304M4002, VR8304M4804		
	VR8305M3506	VR8305M4066, VR8305M4165, VR8305M4231	36G22-214, 36C68-423	720-051 (7200DER)
VR8345K4809	VR8345K4809	VR8304K3808, VR8304K4806, VR8304K4814, VR8305K4233	36E98-304, 36E24-214, 36E52-214	700-052
	VR8205H1003	VR8205H2605, VR8305H4013, VR8305H4039		
	VR8304H4503	VR8204H1006, VR8204H1055		720-070 (7200IPER-S7C), 720-071 (7200IPER-S7C), 720-072 (7200IPER-S7C), 720-073 (7200IPER-S7C)
VR8345Q4563	VR8345Q4563	VR8205Q2381, VR8205Q2555, VR8205Q2662, VR8205Q2746, VR8205Q2787, VR8304Q4453, VR8304Q4511, VR8305Q4138, VR8305Q4146, VR8305Q4195, VR8305Q4500	36C76-406, 36C76-420, 36C76-463 36D13-208, 36D13-405, 36E54-214, 36E96 314, 36C54 214	720-082 (7200IPER2-4)
VR8245M2530	VR8245M2530	VR8204A2852, VR8205M1080, VR8205M1106, VR8205M2310, VR8205M2443, VR8205M2450, VR8205M2476	36E36-304, 36E22-214	720-079 (7200IPER), 720-080 (7200IPER-LP) 722-079 (2000IPERHC)
	VR8204A2076	VR8204A1201, VR8204A1219, VR8204A2001, VR8204A2035, VR8204A2043, VR8204A2175, VR8204A2183, VR8204A2241, VR8204A2225, VR8204A2803		
	VR8204M1091	VR8204M1075, VR8204M1232	36E01-204, 36E01-205, 36E01-206, 36E01-305, 36E93-304	
	VR8205A2024	VR8205A2008, VR8205A2081	36G22-214, 36J22-214	722-051 (2000DERHC), 720-051
VR8215S1503	VR8215S1503	VR8205S2262, VR8205S2270, VR8205S2296, VR8205S2338, VR8205S2353, VR8205S2361, VR8205S2379, VR8205S2395, VR8205S2437, VR8205S2858, VR8205S2882, VR8205S5802, VR8205S5828, VR8205S5836, VR8205S5844, VR8215S1222, VR8215S1263, VR8215S5207, VR8215S5215, VR8205A2008, VR8205A2016, VR8205A2024, VR8205A2065, VR8205A2081, VR8205A2131, VR8205A2263, VR8205A2800, VR8205M1080, VR8205M1106, VR8205M1122, VR8205M1130, VR8205M1148, VR8205M1155, VR8205M1163, VR8205M2310, VR8205M2401, VR8205M2476, VR8205M2484,VR8205M2831, VR8205M2864, VR8205M2872, VR8205M2880, VR8205M5024, VR8205M5032	36G22-214, 36J22-214, 36G22-207, 36B22-254	
VR8215T1502	VR8215T1502	VR8205H1003, VR8205H1011, VR8205H2605, VR8205H2621, VR8205K1157, VR8205K1173, VR8205K2247, VR8205K2593, VR8205K2619, VR8205T5801, VR8215T1205, VR8215T1239, VR8215T5206, VR8215T5214		
VR9205Q	VR9205Q1507	VR9205Q1006, VR9205Q1010, VR9205Q1028, VR9205Q1101, VR9205Q1127, VR9205Q1218		
VR8300M4406	VR8300M4406	VR8300A4003, VR8300A4011, VR8300A4037, VR8200A2827 VR8300A4045, VR8300A4557, VR8300A4565	36C03-400, 36C03-433	700-400
	VR8300A4508	VR8300A4003, VR8300A4011, VR8300A4037, VR8300A4045, VR8300A4557, VR8300A4565	36EC01-405	700-400, 7 20-406 (7200ER)
	VR8300A3500	VR8300A3104, VR8300A3120, VR8300A3153, VR8300A3161, VR8300A3203, VR8300A3559, VR8300A3567, VR8300A3575	36C03-300, 36C03-258	720-404 (7200ER), 720-400, 720-402
	VR8200A2124	VR8200A2009, VR8200A2082, VR8200A2116, VR8200A2215, VR8200A2264, VR8200A2322, VR8200A2348		720-400 (7200ER), 720-402 (7200ER)
	VR8200A2132	VR8200A2009, VR8200A2082, VR8200A2116, VR8200A2215, VR8200A2264, VR8200A2322, VR8200A2348		720-400 (7200ER), 720-402 (7200ER)
	VR8200A2744	VR8200A2322		

Lighting Instructions

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.
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 neighbour's phone. Follow the gas supplier's instructions.
- If you cannot reach your gas supplier, call the fire department.
C. Use only your hand to push in or turn the gas control knob. Never use tools. If the knob will not push in or turn by hand, don't try to repair it, call a qualified service technician. Force or attempted repair may result in a fire or explosion.
D. Do not use this appliance if any part has been under water. Immediately call a qualified service technician to inspect the appliance & to replace any part of the control system & any gas control which has been under water.

LIGHTING INSTRUCTIONS

1. STOP! Read the safety information above on this label.
2. Set wall switch/ hand held remote to lowest setting.
3. This appliance is equipped with an ignition device which automatically lights the pilot. Do not try to light the pilot by hand.
4. Push the "On/ Off" switch to the fireplace Off.
5. Allow sufficient length of time (minimum 5 minutes) for any gas in the combustion chamber to escape. If you still smell gas, STOP! Follow "B" in the safety information above on this label. If you don't smell gas, go to the next step.
6. Push the "On/ Off" switch to turn the fireplace on.
   - If the burner does not light, repeat steps 4 through 6.
   - If the burner will not light or stay lit after several tries,push the "On/ Off" switch to the fireplace off and call your service technician or gas supplier.
   Note: Sufficient time must be allowed for air to escape from lines if the unit is being lit for the first time.
7. Set fireplace to desired setting by using either the wall switch or hand held remote.

TO TURN OFF GAS TO APPLIANCE

1. Set wall switch / hand held remote to lowest setting.
2. Push the "on/ off" switch to the "Off" position.
3. Turn off all electric power to the appliance and remove backup batteries if service is to be performed or for extended shutdown.

Due to high surface temperatures, keep children, clothing and furniture away. Keep burner and control compartment clean. See installation and operating instructions accompanying the appliance.
A cause de la temperature elevee des parios, tenir eloignes les enfants, les vetements et les meubles. Maintenir propres le bruleur et le compartiment de commande. Voir les instructions relatives a l'installation et au fonctionnement qui accompagnent l'appareil.

CAUTION: Hot while in operation. Do not touch. Severe burns may result. Keep children, clothing, furniture, gasoline and other liquids having flammable vapours away. Keep burner and control compartment clean. See installation and operating instructions accompanying the appliance.

ATTENTION: L'appareil est chaud lorsqu'il fonctionne. Ne pas toucher l'appareil. Risque de brûlures graves. Serveiller les enfants. Garder les vêtements, le meubles, l'essence ou autres liquides produisant des vapeurs inflammables loin de l'appareil. S'assurer que le brûleur et le compartiment des commandes sont propres. Voir les instructions d'installation et d'utilisation qui accompagnent l'appareil.

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ALSO REFER TO ROBERT SHAW PILOT INSTRUCTIONS ON FOLLOWING PAGES

First Fire

When lit for the first time, the fireplace will emit a slight odour for a couple of hours. This is due to the curing of paints, sealants and lubricants used in the manufacturing process. This condition is temporary. Open doors and windows to ventilate area. Odour caused by the curing process may cause discomfort to some individuals.

It is normal for fireplaces fabricated of steel to give off some expansion and/or contraction noises during the start up or cool down cycle. Similar noises are found with your furnace ,heat exchanger or cook stove oven.

Maintenance

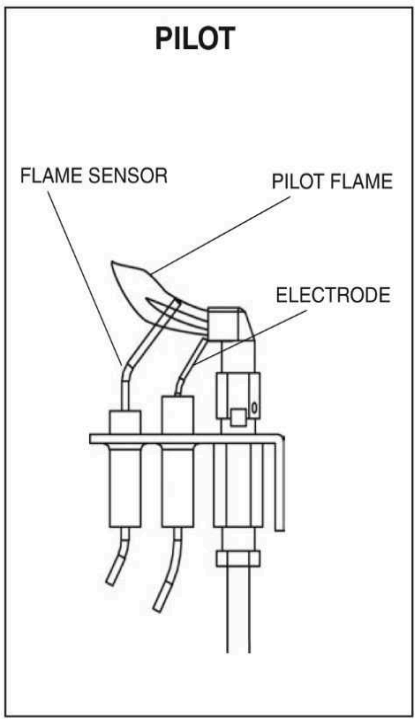
CAUTION:
Turn off gas and electrical power supply (if applicable) and allow ample time for unit to cool before servicing appliance. It is recommended that the fireplace and its venting should be inspected at least once a year by a qualified service person.

Annual Inspection:

a) Remove glass assemblies. Inspect glass and burner assemblies for soot buildup. If excessive buildup of soot is present, have a qualified service person inspect and adjust unit for proper combustion. Clean logs and burner with a brush or vacuum cleaner, paying close attention to burner ports.

b) Check the pilot system for proper flame size and operation. Clean pilot free of soot, dust or any other deposits. (See Fig. #59)

c) Check that the vent pipe and vent terminal are open and free from blockage or debris. If the venting is disassembled for cleaning, it must be properly assembled and re-sealed.



Note: The appliance area must be kept clear and free from combustible materials, gasoline and other flammable vapours and liquids.

Periodically:

Exterior finish may be cleaned with mild soap and water.

Maintenance

1. Inspect the flue pipe for any obstructions, such as debris or other materials, that may impede proper venting over time.

2. Adhere to the maintenance protocols stipulated for the Residio and Honeywell start-up pilot systems that ignite the fireplace, as detailed on page 39.

3. Gently clean the interior of the appliance using a lightly dampened cloth with water. Avoid the use of any chemicals not specified for use within this appliance, as outlined in this manual. For dust removal, a feather duster is recommended for delicately cleaning the fire media. Ensure that all residues from cleaning products are completely removed to prevent interference with operational safety.

4. Annual maintenance is advised to prolong the appliance's lifespan and ensure its safe operation. It is recommended to activate and run the appliance at least once per year to confirm the ongoing functionality of the pilot and valve assemblies.

5. Any maintenance tasks beyond light cleaning and basic troubleshooting should be performed by a fully qualified technician.

Honeywell: S8600B,C,H,M; S8610B,C,H,M; S8670D,E,J,K Intermittent Pilot Gas Ignition Control KIT

INFINITI FIRE
3400 W. Edge st.
Apache Junction, AZ 85120
PHONE: 480-528-0321
EMAIL: office@infintifire.com