

# PEAK 35 FIREPLACE

## 21,000 BTU

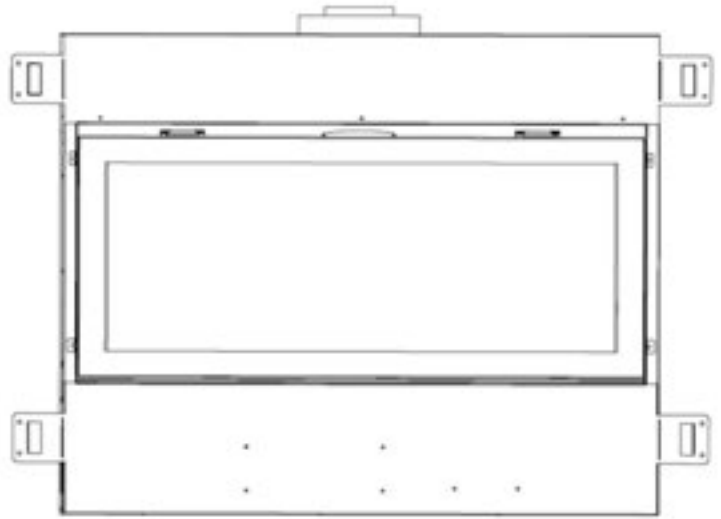
Natural Gas & Propane  
Installation and Operating Instructions

(P4 certified at 55.6% for NG)

MODEL: BL21



CLIENT # LC773211



### WARNING

IF THE INFORMATION IN THESE INSTRUCTIONS IS NOT FOLLOWED EXACTLY, A FIRE OR EXPLOSION MAY RESULT CAUSING PROPERTY DAMAGE, PERSONAL INJURY, OR DEATH.

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

#### WHAT TO DO IF YOU SMELL GAS:

- Do not try to light any appliance
  - Do not touch any electrical switch; do not use any phone in your building
  - Immediately call your gas supplier from a neighbour's phone. Follow gas supplier's instructions
  - If you cannot reach your gas supplier, call the fire department.
- Installation and service must be performed by a qualified installer, service agency or gas supplier.

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

**INSTALLER:** Leave this manual with the appliance.

**CONSUMER:** Retain this manual for future reference.

**PLEASE READ THIS MANUAL BEFORE  
INSTALLING OR USING THIS APPLIANCE.  
SAVE THIS MANUAL FOR FUTURE  
REFERENCE.**

**A BARRIER DESIGNED TO REDUCE THE RISK OF  
BURNS FROM THE HOT VIEWING GLASS IS PROVIDED  
WITH THIS APPLIANCE AND SHALL BE INSTALLED.**

### ! WARNING



**HOT GLASS WILL  
CAUSE BURNS.  
DO NOT TOUCH GLASS  
UNTIL COOLED.  
NEVER ALLOW CHILDREN  
TO TOUCH GLASS.**

# PEAK 35 FOYER LINEAR



## GAZ NATUREL ET PROPANE

### AVERTISSEMENT

**ASSUREZ-VOUS DE BIEN SUIVRE LES INSTRUCTIONS DONNÉES DANS CETTE NOTICE POUR RÉDUIRE AU MINIMUM LE RISQUE D'INCENDIE OU D'EXPLOSION OU POUR ÉVITER TOUT DOMMAGE MATÉRIEL, TOUTE BLESSURE OU LA MORT.**

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

#### **QUE FAIRE SI VOUS SENTEZ UNE ODEUR DE GAZ:**

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

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

**AVERTISSEMENT: Une mauvaise installation, de réglage, la modification, de services ou de maintenance peut causer des dommages corporels ou matériels. Reportez-vous à ce manuel. Pour toute assistance ou information supplémentaire, consulter un installateur qualifié, un service ou le fournisseur de gaz.**

Manuel D'installation et Guide de l'utilisateur

CLIENT # LC773211

**INSTALLATEUR :** Laissez cette notice avec l'appareil.

**CONSOMMATEUR :** Conservez cette notice pour consultation ultérieure.

**S'IL VOUS PLAÎT LIRE CE MANUEL AVANT D'INSTALLER OU UTILISER CET APPAREIL. CONSERVEZ CE MANUEL POUR RÉFÉRENCE FUTURE.**

**BARRIÈRE conçu pour réduire le risque de brûlures et à la consultation verre chaud EST FOURNI AVEC CET APPAREIL ET DOIT SE.**

### **WARNING**



**Une surface vitrée chaude peut causer des brûlures.**

**Laisser refroidir la surface vitrée avant d'y toucher**

**Ne permettez jamais à un enfant de toucher la surface vitrée.**

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## **WARNING**

- Read this owner's manual carefully and completely before trying to assemble, operate or service this fireplace. Follow instructions for proper installation
- Failure to install this appliance per the manufacturer's instructions or failure to use only parts specifically approved with this appliance may result in property damage or personal injury. Any change to this fireplace or its controls can be dangerous.
- Improper installation or use of this fireplace can cause serious injury or death from fire, burns, explosions, electrical shock and carbon monoxide poisoning.

## **AVERTISSEMENT**

- Lisez ce manuel attentivement et complètement avant d'essayer de monter, utiliser ou entretenir ce foyer. Suivre les instructions pour assurer une bonne installation.
- Risque de dommages ou de blessures si l'appareil n'est pas installé selon les instructions du fabricant ou si des pièces autres que celles spécifiquement approuvées avec cet appareil sont utilisées. Tout changement à ce foyer ou à ses contrôles peuvent être dangereux.
- Une mauvaise installation ou l'utilisation de cette cheminée peut causer des blessures graves ou la mort par le feu, les brûlures, explosions, de chocs électriques et intoxication au monoxyde de carbone.

**DUE TO HIGH TEMPERATURES, THE APPLIANCE SHOULD BE LOCATED OUT OF TRAFFIC AND AWAY FROM FURNITURE AND DRAPERIES.**

**CHILDREN AND ADULTS SHOULD BE ALERTED TO THE HAZARDS OF HIGH SURFACE TEMPERATURE AND SHOULD STAY AWAY TO AVOID BURNS OR CLOTHING IGNITION.**

**YOUNG CHILDREN SHOULD BE SUPERVISED WHEN THEY ARE IN THE SAME ROOM AS THE APPLIANCE.**

**CLOTHING OR OTHER FLAMMABLE MATERIAL SHOULD NOT BE PLACED ON OR NEAR THE APPLIANCE.**

**KEEP THE ROOM AREA CLEAR AND FREE FROM COMBUSTIBLE MATERIALS, GASOLINE, AND OTHER FLAMMABLE VAPORS AND LIQUIDS.**

**IF THE BARRIER BECOMES DAMAGED, THE BARRIER SHALL BE REPLACED WITH THE MANUFACTURER'S BARRIER FOR THIS APPLIANCE**

**EN RAISON DE TEMPERATURES ELEVEES, L'APPAREIL DOIT ETRE PLACE HORS DE LA CIRCULATION ET LOIN DES MEUBLES ET TENTURES.**

**ENFANTS ET ADULTES DOIVENT ETRE AVERTIS DES DANGERS DE LA TEMPERATURE DE SURFACE ELEVEE ET DEVRAIT RESTER A L'ECART POUR EVITER LES BRULURES OU L'INFLAMMATION DES VETEMENTS.**

**LES JEUNES ENFANTS DOIVENT ETRE SOIGNEUSEMENT SURVEILLES QUAND ILS SONT DANS LA MEME PIECE QUE L'APPAREIL.**

**CLOTHING OR OTHER MATERIAUX COMBUSTIBLES NE DOIVENT PAS ETRE PLACES SUR OU PRES DE L'APPAREIL.**

**GARDER LA ZONE SALLE CLAIRE ET LIBRE DE MATERIAUX COMBUSTIBLES, D'ESSENCE, ET AUTRES VAPEURS ET LIQUIDES**

**SI LA BARRIÈRE EST ENDOMMAGÉE, LA BARRIÈRE DOIT ÊTRE REMPLACÉE PAR LA BARRIÈRE DE LA FABRICANT DE CET APPAREIL**

## WARNING

## AVERTISSEMENT

Do not use this appliance if any part has been under water. Immediately call a qualified service technician to inspect the appliance and to replace any part of the control system and any gas control which has been under water.

Ne pas utiliser cet appareil s'il a été plongé, même partiellement, dans l'eau. Appeler un technicien qualifié pour inspecter l'appareil et remplacer toute partie du système de commande et toute commande qui a été plongée dans l'eau.

Toddlers, young children and others may be susceptible to accidental contact burns. A physical barrier is recommended if there are at risk individuals in the house. To restrict access to a fireplace or stove install an adjustable safety gate to keep toddlers, young children and at risk individuals out of the room and away from hot surfaces. Any safety screen or guard removed for servicing an appliance must be replaced prior to operating the appliance. 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, et cetera. It is imperative that control compartments, burners and circulating air passageways of the appliance be kept clean.

Les tout-petits, les jeunes enfants et d'autres peuvent être sensibles aux brûlures par contact accidentel. Une barrière physique est recommandée s'il ya des personnes à risque dans la maison. Pour restreindre l'accès à une cheminée ou un poêle installer une barrière de sécurité réglable pour garder les tout-petits, les jeunes enfants et les personnes à risque de la salle et à l'écart des surfaces chaudes. Tout écran ou grille de protection pour l'entretien d'un appareil doit être remplacé avant de faire fonctionner l'appareil. Installation et réparation doit être effectuée par un technicien qualifié. L'appareil doit être inspecté avant son utilisation et au moins annuellement par un technicien qualifié. Un nettoyage plus fréquent peut être nécessaire en raison de peluches provenant des tapis, literie, etc. Il est impératif que les compartiments de contrôle, les brûleurs et les conduits d'air de l'appareil soient gardés propres.

This fireplace is a vented product. This fireplace must be properly installed by a qualified service person. The glass door must be properly seated and sealed. If this unit is not properly installed by a qualified service person with the glass door properly seated and sealed gas leakage can occur.

Ce foyer est un produit ventilé. Ce foyer doit être correctement installé par un technicien qualifié. La porte en verre doivent être placés correctement et scellés. Si cet appareil n'est pas correctement installé par un technicien qualifié avec la porte en verre bien en place et des fuites de gaz scellés peuvent se produire.

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

Attention : Au moment de l'entretien des commandes, étiquetez tous les fils avant de les débrancher. Des erreurs de câblage peuvent entraîner un fonctionnement inadéquate et dangereux.

Verify proper operation after servicing

S'assurer que l'appareil fonctionne adéquatement une fois l'entretien terminé

If this appliance is installed on carpeting, vinyl tile or other combustible material other than wood flooring, the appliance shall be installed on a metal or wood panel extending the full width and depth.

Si cet appareil est installé sur un tapis, carreaux de vinyle ou autre matériau combustible autre qu'un plancher de bois, l'appareil doit être installé sur un panneau de métal ou de bois se prolongeant sur toute la largeur et la profondeur.

# 1.0 INTRODUCTION

## 1.1 SPECIFICATIONS

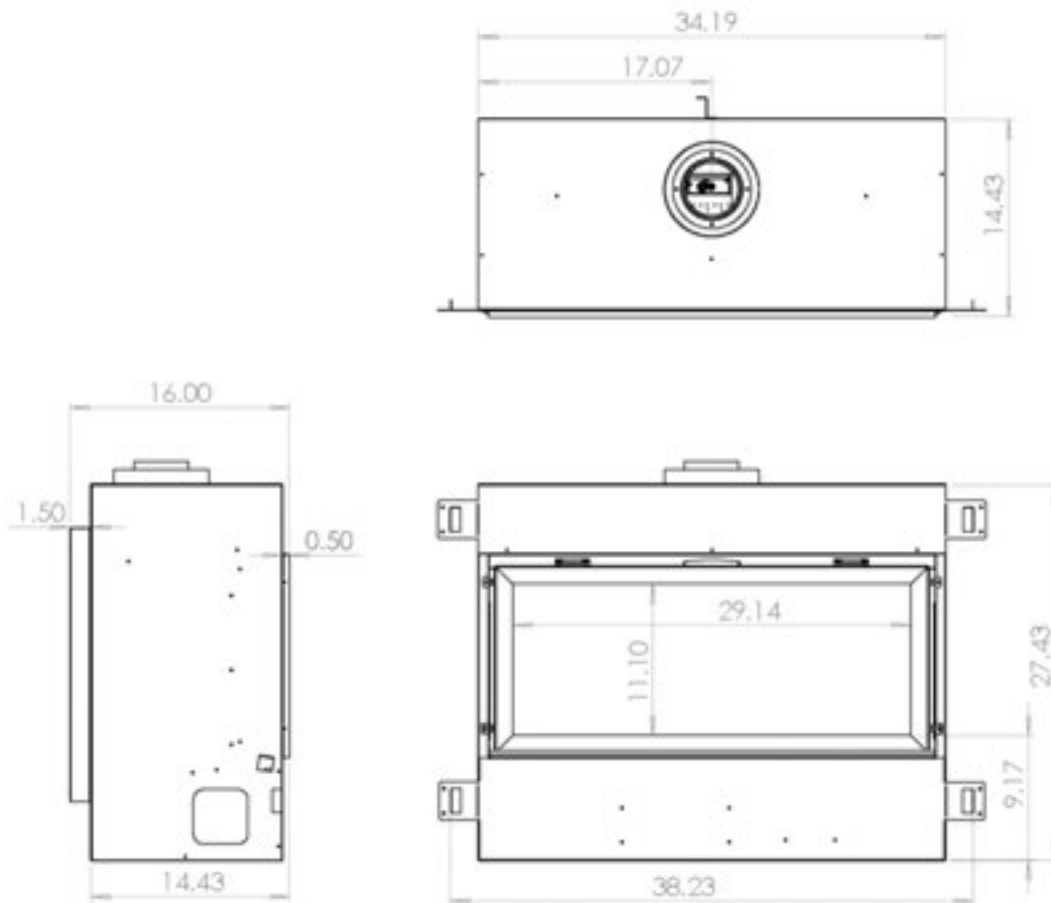
TABLE 1

| ITEM                                                       | NATURAL GAS (NG)                                                                | PROPANE (LP)                                                                    |
|------------------------------------------------------------|---------------------------------------------------------------------------------|---------------------------------------------------------------------------------|
| INPUT: Hi                                                  | 21,000 Btu/hr (6.15 kW)                                                         | 20,750 Btu/hr (6.08 kW)                                                         |
| INPUT: Lo                                                  | 13,000 Btu/hr (3.81 kW)                                                         | 13,000 Btu/hr (3.81 kW)                                                         |
| MANIFOLD PRESSURE: Hi<br>COLLECTEUR DE PRESSION:<br>FORT   | 3.5" w.c. (0.87 kPa)                                                            | 10.0" w.c. (2.49 kPa)                                                           |
| MANIFOLD PRESSURE: Lo<br>COLLECTEUR DE PRESSION:<br>FAIBLE | 1.7" w.c. (0.42 kPa)                                                            | 6.4" w.c. (1.59 kPa)                                                            |
| GAS INLET SUPPLY PRESSURE:<br>ENTREE DE PRESSION           | Minimum: 5.0" w.c. (1.2 kPa)                                                    | Minimum: 7.0" w.c. (1.74 kPa)                                                   |
|                                                            | Maximum: 10.5" w.c. (2.61 kPa)                                                  | Maximum: 13.0" w.c. (3.23 kPa)                                                  |
| ORIFICE SIZE: @ 0-4500'<br>FORMAT D'ORIFICE:               | # 43 DMS                                                                        | #55 DIMS                                                                        |
| VALVE ORIFICE @ 0-4500'<br>SOUPANGE D'ORIFICE:             | # 51 DMS                                                                        | #60 DIMS                                                                        |
| AIR SHUTTER<br>VOLET DE L'AIR                              | OPEN 1/8"min<br>(3.175mm)                                                       | FULLY OPEN                                                                      |
| CONTROL VALVE TYPE:<br>TYPE DE SOUPE                       | Skytech AF-40004                                                                | Skytech AF-40004                                                                |
| VENTING<br>ÉVACUATION                                      | 2-ply aluminum vent, Selkirk,<br>Duravent, Metal-Fab ICC or<br>Security Venting | 2-ply aluminum vent, Selkirk<br>Duravent, Metal-Fab, ICC or<br>Security Venting |
| FAN<br>VENTILATEUR                                         | Variable Speed (115 Volt)                                                       | Variable Speed (115 Volt)                                                       |
|                                                            |                                                                                 |                                                                                 |

**THIS APPLIANCE IS ONLY FOR USE WITH THE TYPE OF GAS INDICATED ON THE RATING PLATE.**

**CET APPAREIL DOIT ÊTRE UTILISÉ UNIQUEMENT AVEC LE TYPE DE GAZ INDIQUÉ SUR LA PLAQUE SIGNALÉTIQUE.**

## **APPLIANCE DIMENSIONS**



## **INSTALLATION CODES**

This appliance is a Direct Vent appliance which draws all combustion air from outside the building through an intake vent pipe.

Installation must conform to local codes. In the absence of local codes, installation must conform to the *National Fuel Gas Code ANSI Z223.1/NFPA 54*, or the current *Natural Gas and Propane Installation Code CSA B149.1*. The unit, when installed, must be electrically grounded in accordance with local codes or, in the absence of local codes, with the *National Electric Code ANSI/NFPA No.70* or with the current *Canadian Electrical Code CSA C22.1*. In the state of Massachusetts, this product can only be installed by a licensed plumber or a licensed gas fitter. Failure to comply will void the warranty.

This appliance has been certified for use with natural gas and propane.

This appliance is not for use with solid fuels.

## **CODES D'INSTALLATION**

Cet appareil est un appareil à évent direct, qui attire tous l'air de combustion provenant de l'extérieur du bâtiment par une entrée d'évent.

L'installation doit se conformer aux codes locaux. En l'absence de codes locaux, l'installation doit être conforme au *National Fuel Gas Code ANSI Z223.1/NFPA 54*, ou le gaz naturel actuel et le Code d'installation du propane CSA B149.1. L'unité, une fois installé, doit être électriquement à la terre conformément aux codes locaux ou, en l'absence de codes locaux, avec le *National Electric Code ANSI / NFPA No.70* ou avec l'actuel Code canadien de l'électricité CSA C22.1

Cet appareil a été certifié pour une utilisation avec du gaz naturel et le propane.

Cet appareil n'est pas pour une utilisation avec des combustibles solides.

## 1.2 FEATURES

### Ignition system:

Standing pilot ignition system with thermopile and thermocouple flame detection and piezo igniter.

### Fan control \* Optional \*

#### Variable speed control:

For units equipped with a fan control, the knob controls the fan speed, turning the knob counter-clockwise turns it to the "Off" position.

### Gas control: \* Optional\*

#### Gas control valve type:

Automatic millivolt powered combination gas control valve with variable flame control for convenience and on/off switch. Optional digital remote on/off wall switch and/or optional wall thermostat (note: thermostats are not allowed in the United States). The gas valve does not require electricity from an external source.

### Electronic Valve: \* Optional \*

Automatic DC valve with AC power adapter. Hand held remote control.

### Fan control: \* Optional \*

#### Variable speed control:

For units equipped with a fan control, adjust speed by remote control settings 1-6

### **Supreme Remote Control** **Functional Operation Matrix**

#### **Initial Setup**

Installation of (2) AAA-size batteries will activate the setup mode. Setup mode can also be activated by pressing the FLAME REAR and PROG/TIME buttons simultaneously for 5 seconds. The control will exit setup mode if no button is pressed for 20 seconds. Appropriate icon on LCD will flash when ready for setup.

Press the UP or Down button in setup mode to change the temperature scale. Press SET button to skip or advance to Fuel Type setup.

Press the UP or DOWN button to switch control from Natural to LP, or LP to Natural Gas. Press SET button to skip or advance to Clock setup.

Press the UP or Down Button to set the hour. Press SET to advance to minutes.

Press the UP or Down button to set minutes. Press SET to advance to AM or PM.

Press the UP or Down button to set AM or PM. Press the SET button to advance to the day of week.

Use UP or Down button to select the day of the week.

The control will exit setup mode in 20 seconds.

#### **MODE Button**

The MODE button cycles the unit through the basic operational modes.

When off, press and release the MODE button to turn the unit on in Manual mode.

Press and release the MODE button again, and the unit will operate in the Thermostat mode.

Press and release the MODE button again, and the unit will turn off.



## **Program Mode**

The Program function is controlled by the PROG/TIME button. The control may be programmed for up to two settings for weekdays and two settings for weekends. The control is preset to factory settings. When the Program Mode is activated, the unit will automatically be operating in the Thermostat Mode. The unit will turn on or off based upon room and set temperature.

To activate the Program mode, press and release the PROG/TIME button.

To change the settings for the Program mode, press and hold the PROG/TIME button for 5 seconds. The program feature will flash at the top of the screen.

Press the UP or DOWN button to change the setting of the weekday (MTWTF) P1 ON. Press and release the SET button.

Press the UP or DOWN button to change the setting of P1 OFF. Press and release the SET button.

Press the UP or DOWN button to change the setting of P2 ON. Press and release the SET button.

Press the UP or DOWN button to change the setting of P2 OFF. Press and release the SET button.

Press the UP or DOWN button to change the setting of the weekend (SS) P1 ON. Press and release the SET button.

Press the UP or DOWN button to change the setting of P1 OFF. Press and release the SET button.

Press the UP or DOWN button to change the setting of P2 ON. Press and release the SET button.

Press the UP or DOWN button to change the setting of P2 OFF. Press and release the SET button.

The Program Mode has been re-programmed.

## **Countdown Timer**

The Countdown Timer Mode allows the control to operate the unit for up to 3 hours, in 10-minute increments. It can be operated in either the Manual or Thermostat Modes.

To enter Timer Mode, press and release the TIMER button. The Timer icon will flash.

Press the UP or DOWN button to set the running time, in 10-minute increments. Press and release the SET button. The timer will run for the set time duration.

Pressing the TIMER button while in Timer Mode will terminate the Timer operation. The Timer operation will also terminate if the MODE button is cycled to off.

## **Thermostat Mode**

The unit is placed in Thermostat Mode using the MODE button. Placing the unit in Thermostat Mode will activate the numbers in the smaller window on the LCD screen.

Press the UP or DOWN button to change the thermostat set temperature. When the desired set temperature appears, press and release the SET button to set.

If the SET button is not pressed, the set temperature will automatically be set after 5 seconds.

The Thermostat Mode can be de-activated by pressing the MODE button.

## **Thermostatic Flame Modulation**

This control can perform Main Flame Modulation using the Thermostat. The control will shut the unit off when the room temperature reaches 2° above set temperature. The Thermostat will automatically modulate the main flame:

## **Manual Flame Modulation – Main Flame**

To change the Flame Level manually, press the FLAME MAIN button. The current level will show in the MAIN box on the LCD screen.

Press the UP or DOWN button to change the Flame Level.

When the unit is turned on, whether in Manual, Thermostatic, or Program Mode, the Main Flame will automatically ignite at the High (7) setting. After 5 seconds, the flame will default to the previous setting.

## **Fan Control**

The unit must be ON to operate the Fan.

The Fan will turn on after 5 minutes of operation. Once the Fan comes on, it can be controlled using the FAN button.

Press the FAN button, and the fan icon and speed will appear on the LCD screen.

Press the UP or DOWN button to control the fan speed (0-6). Press the DOWN button until 0 Level is reached to turn the Fan off.

The fan will run for 12 minutes after the unit is shut off in any mode. The fan may not be controlled during this period.

## **Continuous Pilot**

The unit can be changed from Intermittent Pilot Ignition (IPI), to Continuous, or standing, pilot.

To place the unit in continuous pilot mode, press and release the PROG/TIME and the FLAME MAIN buttons simultaneously. Continuous Pilot will appear on the LCD screen.

Repeat the simultaneous PROG/TIME and FLAME MAIN push to place the unit back in IPI mode.

This feature can also be activated by the Continuous Pilot (On/Off) switch on the Main Module.

## **Child Lock-Out**

The Child Lock-out feature can be activated by pressing the PROG/Time and UP buttons simultaneously. CP will appear on the LCD screen, and no signals can be sent from the transmitter.

To take the control out of Child Lock-out mode, repeat the above step. CP will disappear from the screen.

## **Learn Function**

To program the system to a transmitter, press the LEARN button on the Main Module. A single audible beep will be heard.

Press the MODE button on the transmitter to learn the transmitter to the system. A series of beeps will be heard.

Up to two additional (NON-THERMOSTATIC) transmitters can be used simultaneously. To learn additional transmitters, press and release the learn button again, and press the on button on the additional transmitters.

To clear all transmitters and start over, press and hold the LEARN button for 10 seconds. A series of three beeps will be heard, and the system is clear.

## **Low Battery Indicator**

A low battery icon will appear on LCD screen when transmitter batteries reach low voltage level.

## **Thermal Safety**

When the internal components of the Main Module reach 170°F, the unit will automatically shut off, and send a repetitive audible signal. The unit can be turned back on when the module cools below 160°

## **Communication Safety**

When in the Thermostat or Program Mode, the transmitter will send a silent signal to the module every 15 minutes. If a signal is not received within 2 hours due to dead batteries, lost transmitter, or transmitter out of range, the unit will automatically shut down, and the module will send a repetitive audible signal.

## 1.3 INTENDED USE / USAGE PROPOSÉ

This appliance is intended to be used as a zero clearance fireplace. This unit is certified for installation in a bedroom or a bed sitting room where the maximum input is within 50 cubic feet per 1000 Btu/hr, (i.e. 900 cubic feet for E unit & 1600 cubic feet for H unit). In Canada all bedroom installations require the use of wall thermostats (note: thermostats are not allowed in the United States).

Cet appareil est destiné à être utilisé comme un foyer à dégagement zéro. This unit is certified for installation in a bedroom or a bed sitting room where the maximum input is within 50 cubic feet per 1000 Btu/hr, (i.e. 900 cubic feet for E unit & 1600 cubic feet for H unit). In Canada all bedroom installations require the use of wall thermostats (note: thermostats are not allowed in the United States).

## 1.4 GENERAL SAFETY / SÉCURITÉ GÉNÉRALE

- Maintain adequate clearances around air openings into the combustion chamber.
- Respecter les distances minimales convenables autour des bouches d'air dans la chambre de combustion.
- Maintain adequate accessibility clearances for servicing and proper operation.
- Respecter les distances minimales d'accessibilité suffisante pour l'entretien et bon.
- This appliance shall not be connected to chimney flue serving a separate solid-fuel burning appliance.
- Cet appareil ne doit pas être raccordé à une cheminée desservant un autre appareil brûlant des combustibles solides.
- The appliance area must be kept clear and free from combustible materials, gasoline and other flammable liquids and vapors.
- La zone appareil doit rester clair et exempt de matériaux combustibles, essence et autres vapeurs et liquides inflammables.
- The flow of combustion and ventilation air shall not be obstructed.
- Le débit de combustion et de ventilation ne doit pas être obstrué.
- The combustion air supply shall be in the same pressure zone as the draft hood relief opening on an appliance equipped with a draft hood or as the vent outlet on an appliance not equipped with a draft hood.
- L'alimentation en air de combustion doit être dans la zone même pression que l'ouverture de secours hotte à air sur un appareil équipé d'une hotte à air ou que l'évent de sortie sur un appareil n'est pas équipé d'une hotte à air.
- Do not use this appliance if any part has been under water. Immediately call a qualified service technician to inspect the appliance and to replace any part of the control system and any gas control which has been under water.
- Ne pas se servir de cet appareil s'il a été plongé dans l'eau, même partiellement. Faire inspecter l'appareil par un technicien qualifié et remplacer toute partie du système de contrôle et toute commande qui ont été plongées dans l'eau.

**IMPORTANT**  
**PLEASE READ THE FOLLOWING CAREFULLY**

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.

It is not unusual for gas fireplaces to give off some odors the first time they are burned. This is due to the oils and sealants in the manufacturing process.

**PLEASE ENSURE YOU ROOM IS WELL VENTILATED DURING BURN OFF – OPEN ALL WINDOWS**

It is recommended that you burn your fireplace for at least 4 (four) hours the first time you use it.

**IMPORTANT**  
**S'IL VOUS PLAÎT LIRE ATTENTIVEMENT CE QUI SUIV**

Il est normal pour les foyers fabriqués d'acier à dégager une certaine expansion et / ou des bruits de contraction pendant le démarrage ou cycle de refroidissement.

Il n'est pas inhabituel pour les foyers à gaz de dégager certaines odeurs la première fois qu'ils sont brûlés. Cela est dû aux huiles et produits d'étanchéité dans le processus de fabrication.

**S'IL VOUS PLAÎT VOUS ASSURER** pièce est bien aérée pendant BRÛLER - Ouvrir toutes les fenêtres

Il est recommandé que vous brûlez votre foyer pendant au moins 4 (quatre) heures la première fois que vous l'utilisez.

**WARNING**

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

Toddlers, young children and others may be susceptible to accidental contact burns. A physical barrier is recommended if there are at risk individuals in the house. To restrict access to a fireplace or stove install an adjustable safety gate to keep toddlers , young children and at risk individuals out of the room and away from hot surfaces.

Any safety screen or guard removed for servicing an appliance must be replaced prior to operating the appliance.

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, et cetera. It is imperative that control compartments, burners and circulating air passageways of the appliance be kept clean.

**AVERTISSEMENT**

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

Les tout-petits, les jeunes enfants et d'autres peuvent être sensibles aux brûlures par contact accidentel. Une barrière physique est recommandé s'il ya des personnes à risque dans la maison. Pour restreindre l'accès à une cheminée ou un poêle installer une barrière de sécurité réglable pour garder les tout-petits, les jeunes enfants et les personnes à risque de la salle et à l'écart des surfaces chaudes.

Tout écran ou grille de protection pour l'entretien d'un appareil doit être remplacé avant de faire fonctionner l'appareil.

Installation et réparation doit être effectuée par un technicien qualifié. L'appareil doit être inspecté avant son utilisation et au moins annuellement par un technicien qualifié. Un nettoyage plus fréquent peut être nécessaire en raison de peluches provenant des tapis, literie, etc. Il est impératif que les compartiments de contrôle, les brûleurs et les conduits d'air de l'appareil soient gardés propres.

## 2.0 OPERATION

### 2.1 LIGHTING INSTRUCTIONS - for Intermittent Pilot

#### 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

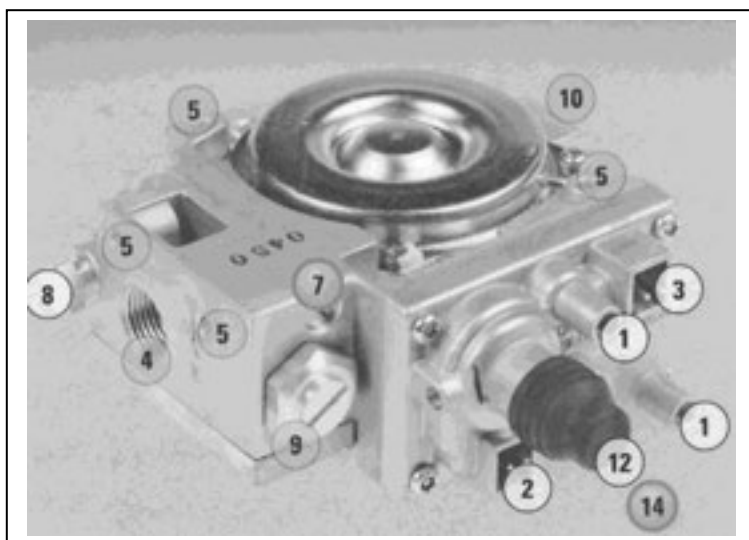
- Do not try to light any appliance.
  - Do not touch any electric switch; do not use any phone in your building.
  - Immediately call your gas supplier from a neighbour's phone. Follow the gas supplier's instructions.
  - If you cannot reach your gas supplier, call the fire department.
- C. Do not use this appliance if any part has been under water. Immediately call a qualified service technician to inspect the appliance and to replace any part of the control system and any gas control which has been under water.

#### LIGHTING INSTRUCTIONS

1. **STOP!** Read the safety information above on this label.
2. Set the thermostat to the lowest setting.
3. Turn off all electric power to the appliance.
4. Do not attempt to light the pilot by hand.
5. Wait five (5) minutes to clear out any gas. Then smell for gas, including near the floor. If you smell gas, STOP! Follow "B" in the safety information above on this label. If you don't smell gas, go to the next step.
6. Turn on all electric power to the appliance.
7. Set thermostat to desired setting (or switch to "ON" if not using a thermostat).
8. If the appliance will not operate, follow the instructions "To Turn Off Gas To Appliance" and call your service technician or gas supplier.

#### TO TURN GAS OFF TO APPLIANCE

1. Set thermostat to lowest setting.
2. Turn on/off switch to off.



1. Pressure Taps
2. Main Valve Connection
3. Pilot Internal Solenoid Connection
4. Outlet Ports
5. Mounting Holes
7. Flow Control Screw
8. Pilot Connections
9. High/Low Connection
10. Inlet Ports

### 2.1 INSTRUCTIONS D'ALLUMAGE -

## Pilote intermittent

### POUR PLUS DE SÉCURITÉ, LIRE AVANT D'ALLUMER

**AVERTISSEMENT: Quiconque ne respecte pas à la lettre les instructions dans la présente notice risqué de déclencher un incendie ou une explosion entraînant des dommages, des blessures ou la mort.**

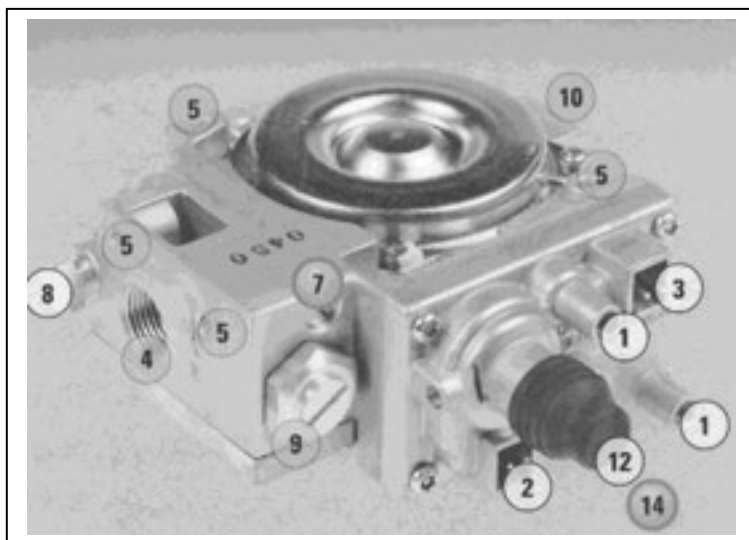
- A. Cet appareil est équipé d'un dispositif d'allumage qui allume automatiquement le pilote. Ne pas tenter d'allumer le pilote à la main.
- B. Avant d'allumer la veilleuse, reniflez tout autour de l'appareil pour déceler une odeur de gaz. Reniflez près du plancher, car certains gaz sont plus lourds que l'air et peuvent s'accumuler au niveau du sol.
- QUE FAIRE SI VOUS SENTEZ UNE ODEUR DE GAZ:**
- Ne pas tenter d'allumer d'appareil.
  - Ne touchez à aucun interrupteur; ne pas vous servir des téléphones se trouvant dans le bâtiment.
  - Appelez immédiatement votre fournisseur de gaz depuis un voisin. Suivez les instructions du fournisseur.
  - Si vous ne pouvez rejoindre le fournisseur, appelez le service des incendies.
- C. N'utilisez pas cet appareil s'il a été plongé dans l'eau, même partiellement. Faites inspecter l'appareil par un technicien qualifié et remplacez toute partie du système de contrôle et toute commande qui ont été plongés dans l'eau.

### INSTRUCTIONS D'ALLUMAGE

1. **ARRÊTEZ!** Lisez les instructions de sécurité sur la portion supérieure de cette étiquette.
2. Réglez le thermostat à la température la plus basse.
3. Coupez l'alimentation électrique de l'appareil.
4. Ne tentez pas d'allumer le pilote à la main.
5. Attendez cinq (5) minutes\*\* pour laisser échapper tout le gaz. Reniflez tout autour de l'appareil, y compris près du plancher, pour déceler une odeur de gaz. Si vous sentez une odeur de gaz, ARRÊTEZ! Passez à l'étape B des instructions de sécurité sur la portion supérieure (à gauche) de cette étiquette. S'il n'y a pas d'odeur de gaz, passez à l'étape suivante.
7. Mettez l'appareil sous tension.
8. Réglez le thermostat à la température désirée.
9. Si l'appareil ne fonctionne pas, suivez les instructions "Pour couper le gaz à l'appareil" et appelez votre technicien ou votre fournisseur de gaz

### COMMENT COUPER L'ADMISSION DE GAZ L'APPAREIL

1. Réglez le thermostat à la température la plus basse
2. Activer / OFF sur OFF.



1. Prises de pression
2. Raccordement de la vanne principale
3. Pilote de connexion interne solénoïde
4. Ports de sortie
5. Trous de montage
7. Vis de réglage du débit
8. Connexions pilote
9. High/Low Connection
10. Ports d'entrée

## **3.0 INSTALLATION**

### **3.1 INSTALLATION & SAFETY NOTES / NOTES D'INSTALLATION ET DE SECURITE**

Read all instructions before starting installation and follow them carefully during installation to ensure maximum benefit and safety. Failure to follow these instructions will void your warranty and may present a fire hazard. See the warranty at the back of this manual for disclaimers regarding improper installation. This direct vent fireplace and it's components are tested and safe when installed in accordance with this installation manual.

Lisez toutes les instructions avant de commencer l'installation et de les suivre attentivement lors de l'installation pour assurer un bénéfice et une sécurité maximales. Le non respect de ces instructions annule la garantie et peut présenter un risque d'incendie. Voir la garantie à l'arrière de ce manuel pour décharges de responsabilité concernant une mauvaise installation. Ce foyer à évacuation directe et ses composantes sont testés et sûrs lorsqu'il est installé conformément aux instructions de montage.

#### **WARNING**

**Do not connect 120 VAC to the gas control valve or it's components as this will damage the valve.**

**Ne pas communiquer 120 VAC à la valve de contrôle du gaz ou de ses composantes, car cela endommagerait la vanne.**

### **3.2 UNPACKING**

Please check the appliance carefully for any damaged or missing components (specifically check the glass condition). Report any problems to your dealer within 30 days of purchase.

### **3.3 INSTALLATION**

For satisfactory results it is necessary to plan certain aspects of the installation prior to the appliance's final positioning. These include the vent system, the gas piping, and the fans wiring. Combustible surfaces such as the hearth, mantle, and facing must also be planned for. Be sure to leave adequate clearance for servicing and proper operation.

Pour des résultats satisfaisants, il est nécessaire de planifier certains aspects de l'installation avant le positionnement final de l'appareil. Il s'agit notamment du système de ventilation, les canalisations de gaz, et le câblage fans. surfaces combustibles tels que le foyer, le manteau, et en face doivent également être prévues pour. N'oubliez pas de laisser un espace suffisant pour l'entretien et bon.

#### **NOTE**

**ALL INSTALLATIONS REQUIRE VENTING.**

**Vented Gas Fireplace Not for Use with Solid Fuel**

**TOUTES LES INSTALLATIONS exigent l'aération.**

**Foyer au gaz à évacuation. Ne pas utiliser avec du combustible solide**

### 3.3.1 INSTALLING NON-COMBUSTIBLE BOARD

#### WARNING

THE SURFACE ABOVE THE APPLIANCE GETS VERY HOT. IF PROPER FINISHING MATERIALS ARE NOT USED, CRACKING CAN OCCUR.

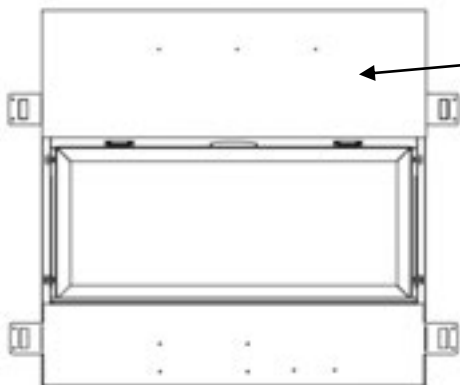
LA SURFACE AU-DESSUS DE L'APPAREIL EST TRÈS CHAUDE. SI DES MATERIAUX DE FINITION CORRESPONDANTS NE SONT PAS UTILISES, DES RISQUES PEUVENT SURVENIR.

The 11.5" (381mm) above the appliance must not be finished with any combustible materials. **If only a painted surface is desired, a full single sheet of cement board should be used.**

The manufacturer supplies only the minimum sized board required.

**NOTE:** To minimize joints, it may be best to replace the supplied non-combustible board with a larger piece.

**SUPPLIED NON-COMBUSTIBLE BOARD 11.5" (381mm) HIGH x 34.5" (876.3mm) WIDE**



#### **Joint Compound where required:**

Compounds such as Durabond 90 and tapes that are heat and cracking resilient should be used when taping and mudding seams.

#### **Setting tiles and grouting:**

If using tiles we recommend you use tiles with a dry butt joint to be installed using a two part mortar with an acrylic latex additive, to allow for slight movement in the normal operation of the appliance. If grout is used between the tiles we recommend a polymer-based grout.

#### **Primer/Paint:**

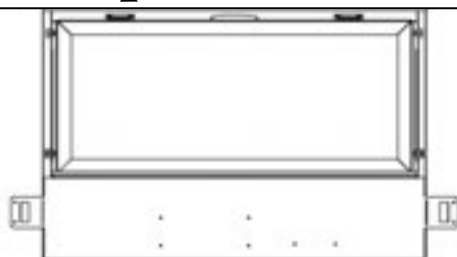
For a painted surface, use a 100% acrylic latex primer and finish coat.

**NOTE: Light coloured surfaces may discolour due to heat.**

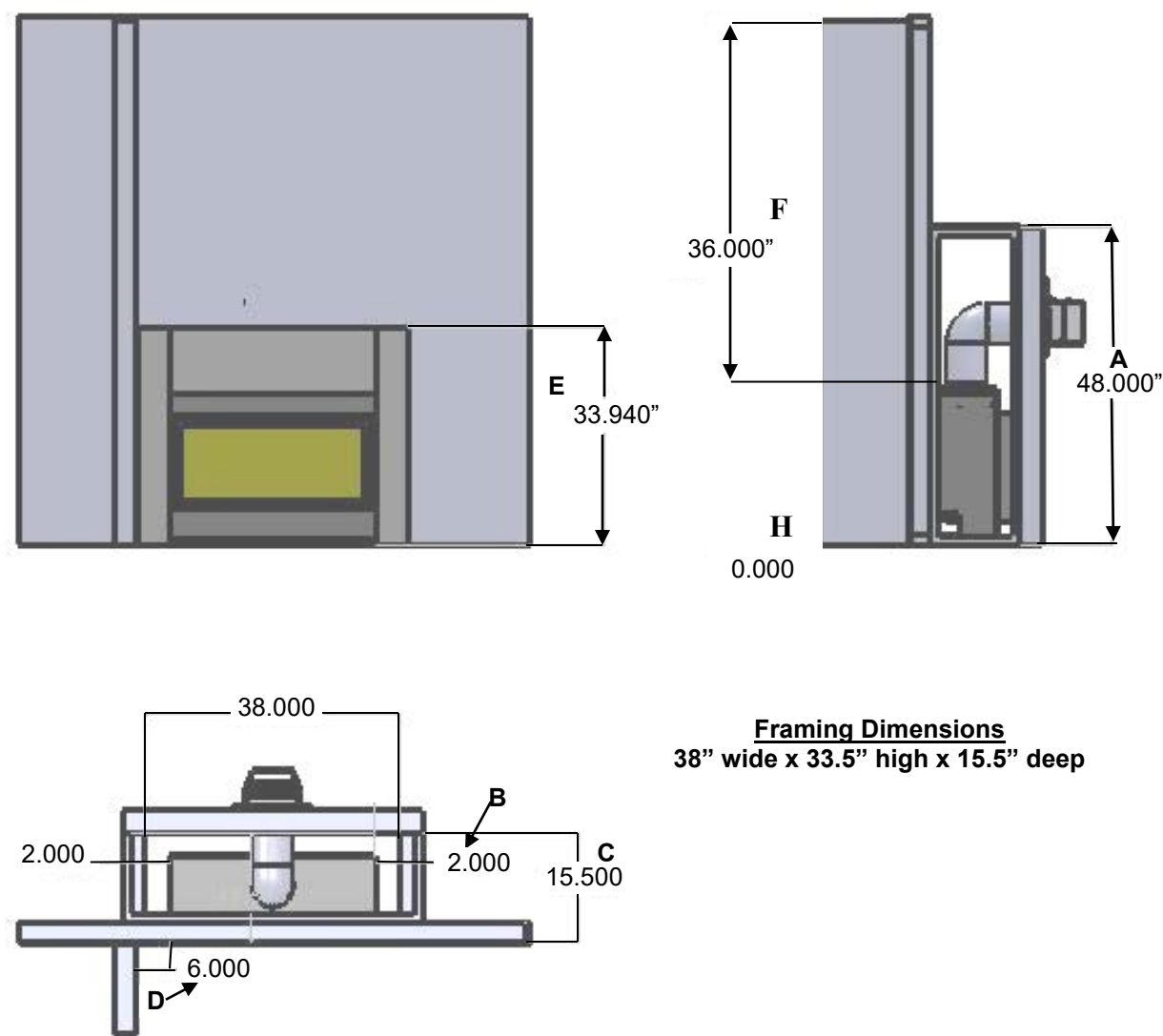
TO CEILING

**RECOMMENDED REPLACEMENT CEMENT BOARD IF INSTALLING WITH PAINTED SURFACE ONLY. TOP OF FIREBOX TO CEILING AND WIDTH OF WALL**

TOP OF FIREBOX

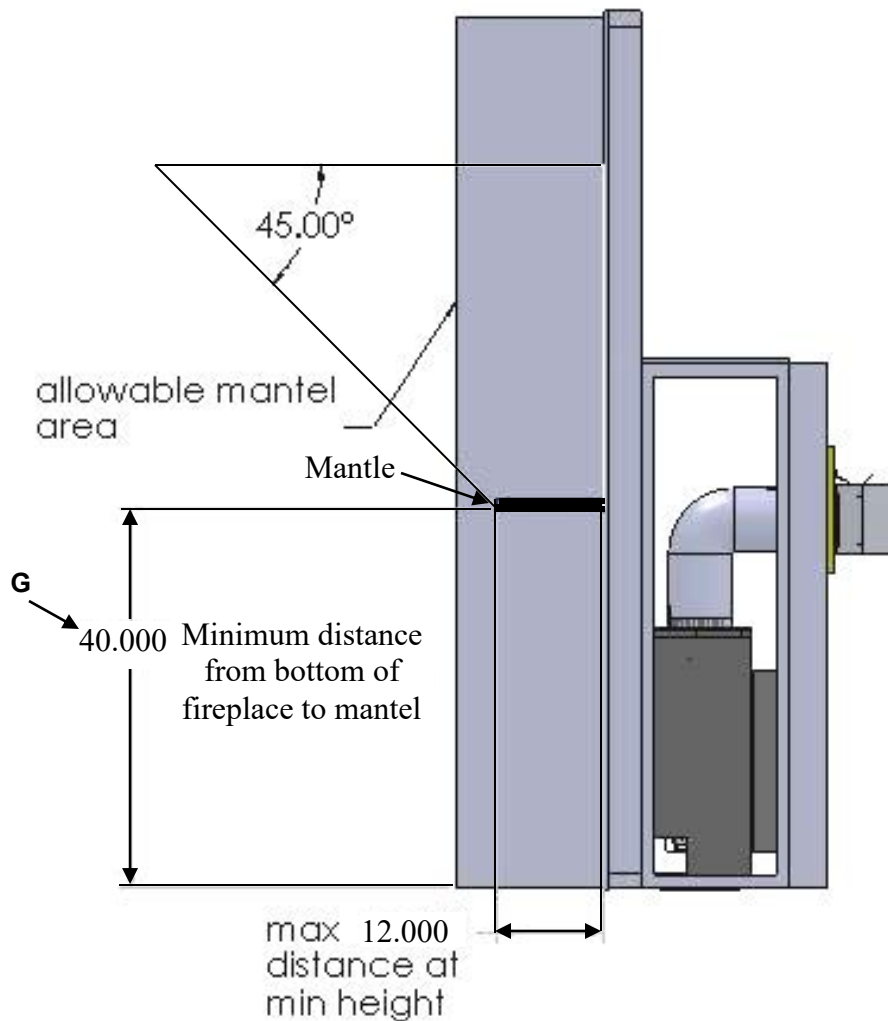


3.3.2 MINIMUM CLEARANCES / DÉGAGEMENTS



MINIMUM CLEARANCES TO COMBUSTIBLES

|            |                                                                                  |
|------------|----------------------------------------------------------------------------------|
| A = 48"    | TO INTERNAL CEILING (combustible material)                                       |
| B = 2"     | TO INTERNAL SIDE COMBUSTIBLES                                                    |
| C = 15.5"  | TO BACK WALL FROM FRONT OF UNIT                                                  |
| D = 6"     | TO EXTERNAL SIDE WALL                                                            |
| E = 33.94" | FROM FLOOR TO COMBUSTIBLE MATERIAL                                               |
| F=36"      | MINIMUM CEILING HEIGHT FROM TOP OF UNIT                                          |
| G=40"      | MINIMUM FROM BOTTOM OF FIREPLACE TO MANTLE (12" DEEP)<br>(SEE DIAGRAM NEXT PAGE) |
| H=0"       | BOTTOM OF FIREPLACE TO FLOOR                                                     |



Clearances are in accordance with local installation codes and the requirements of the gas supplier.  
 \*\*The mantel placement chart on this page illustrates the allowable mantel sizes and placements. The 45 degree angle can be used to determine the allowable mantel size based on the elevation above the units upper trim.

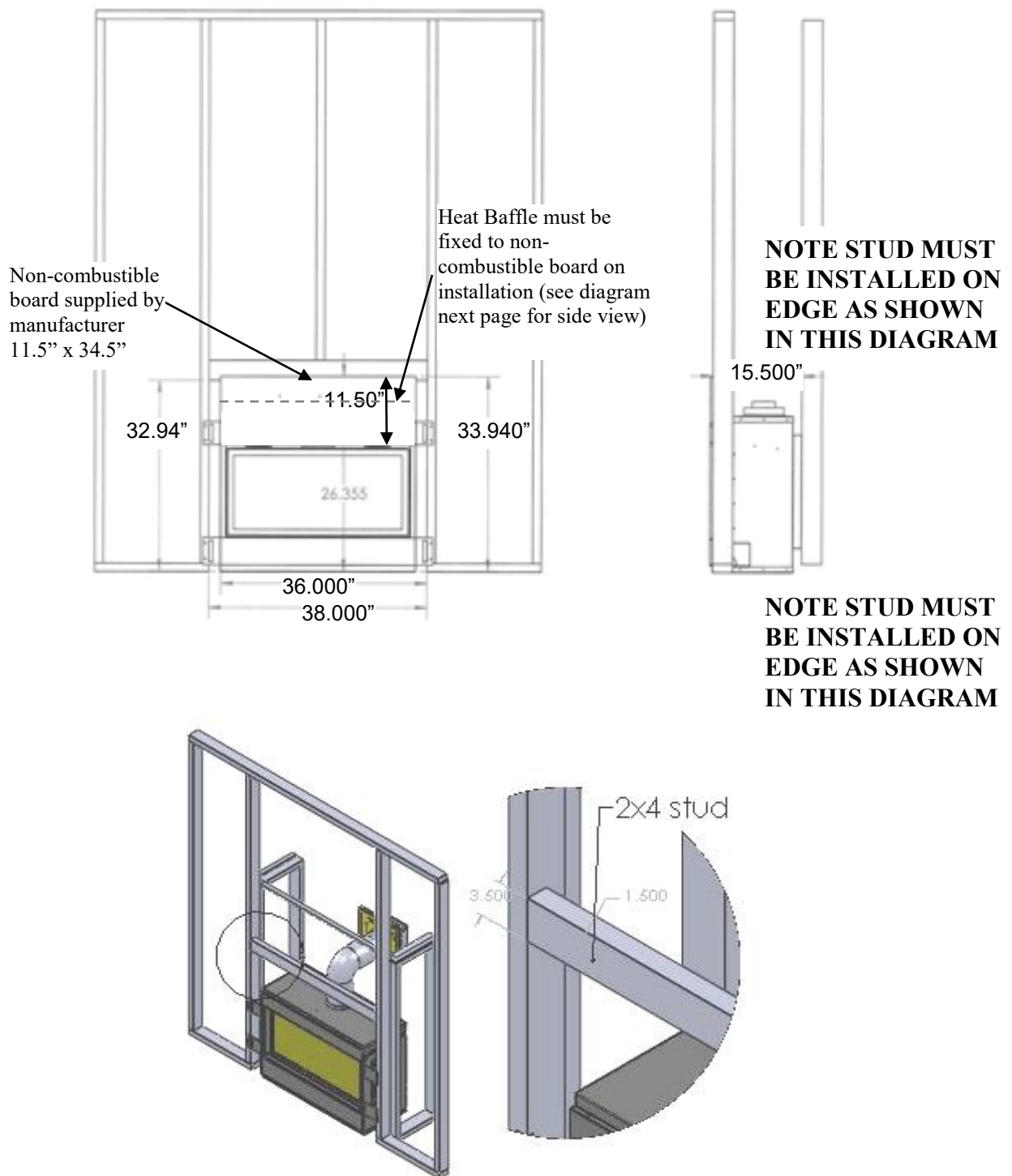
Les dégagements sont en conformité avec les codes d'installation locaux et les exigences du fournisseur de gaz.

\*\* Le tableau placement manteau sur cette page illustre les dimensions et les emplacements admissibles cheminée. L'angle de 45 degrés peut être utilisé pour déterminer la taille permise manteau repose sur l'élévation au-dessus de la garniture unités supérieures.

**CAUTION  
ATTENTION**

**When using paint or lacquer to finish the mantel, such paint or lacquer must be heat resistant ( up to 250° F ) to prevent discolorations.**

**Lors de l'utilisation de peinture ou de laque à la fin de la cheminée, de peinture ou laque doit être résistante à la chaleur (jusqu'à 250o F) pour prévenir la décoloration.**

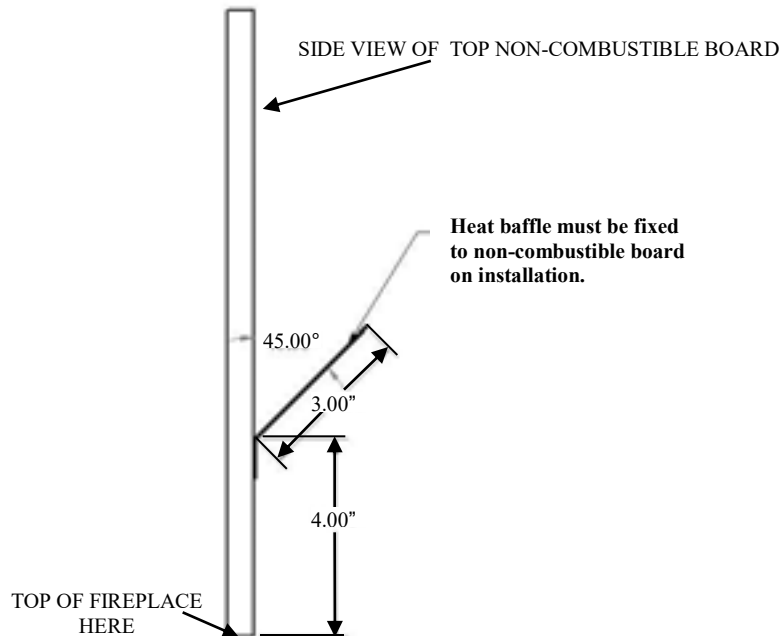


The closest combustible material above the fireplace must be a minimum of 33.50" from the floor with the stud laying on edge as shown above. / Le plus proche matériau combustible au-dessus du foyer doit être un minimum de 33.50" à partir du sol avec le goujon pose sur le bord, comme indiqué ci-dessus.

## NON COMBUSTIBLE MATERIAL/ MATIERE NON COMBUSTIBLES

Non-combustible material will be supplied by the manufacturer. This must be installed on top of the fireplace as shown above to meet installation codes. Heat baffle will be installed to non-combustible board by manufacturer.

Matériaux non combustibles seront fournis par le fabricant. Ce doit être installé sur le dessus du foyer, comme indiqué ci-dessus pour répondre aux codes d'installation. Déflecteur sera installé à la non-combustibles, par le constructeur.



### 3.3.3 GAS LINE INSTALLATION / INSTALLATION DE LA LIGNE de GAZ

- Install supply line using any piping approved for your installation meeting CAN/CGA 6.10, AA 3, ANSI Z21.24 or Z21.45. A qualified gas fitter should install the gas line in accordance with all local building codes. If codes permit, coiled copper tubing may be used for gas supply.
- Installez la ligne d'approvisionnement en utilisant toute la tuyauterie approuvé pour votre réunion d'installation CAN / CGA 6.10, AA 3, ANSI Z21.24 ou Z21.45. Un installateur de gaz qualifié doit installer la canalisation de gaz en conformité avec les codes du bâtiment locaux. Si les codes le permettent, tube de cuivre enroulé peut être utilisé pour l'approvisionnement en gaz.
- Pressure taps are provided on the gas control for test gauge connections to measure the manifold and inlet pressures (see Lighting Instructions).
- Les sont fournis sur la commande de gaz pour les connexions prises de pression gabarit d'essai pour mesurer les pressions multiples et d'une entrée (voir les Consignes d'allumage).
- This appliance must be isolated from the gas supply piping system by closing its individual manual shut off valve during any pressure testing of the gas supply piping system at test pressures equal to or less than 1/2 psi (3.45 kPa).
- Cet appareil doit être isolé de l'alimentation en gaz en fermant son robinet arrêt pendant tout test de pression de la canalisation de gaz à une pression égale ou inférieure à 1/2 psi (3,45 kPa).
- The appliance and its individual shut off valve must be disconnected from the gas supply piping system during any pressure testing of the system at test pressures in excess of 1/2 psi (3.45 kPa).
- L'appareil et son robinet d'arrêt doit être déconnectée de la canalisation de gaz pendant tout test de pression du système à des pressions supérieures à 1/2 psi (3,45 kPa).
- Install the gas line as follows:  
The appliance shall be installed with a manual shut off ball valve and additional pressure regulator to bring line pressure down to 14" w.c..
- Installez la conduite de gaz comme suit:  
L'appareil doit être installé avec une vanne manuelle à billes et régulateur de pression supplémentaire pour faire pression ligne vers le bas à 14 "wc.

**NOTE**

Upon initial firing check manifold pressure at pressure tap located on the front control panel (see Lighting Instructions in section 2.1 ).

Lors de la première vérification de la pression de tir collecteur à la pression du robinet situé sur le panneau de commande avant (voir les Consignes d'allumage à la section 2.1).

**WARNING  
AVERTISSEMENT**

**DO NOT USE AN OPEN FLAME TO TEST FOR GAS LEAKS  
NE PAS UTILISER UNE FLAMME DE TEST DE FUITES DE GAZ**

### 3.3.4 DIRECT VENT INFORMATION / DIRECT VENT D'INFORMATION

The unit must be connected to listed 2-ply aluminium venting and vent cap / termination kit, 4" flex vent on the exhaust side and listed 7" flex vent on the air intake side or can be used with Security Venting, Dura-Vent 4" x 6-5/8" with the use of Dura-Vent adapters part #'s W175-0053 & 0926I, Selkirk Direct-Temp Venting with adapter Part #1604247B, ICC venting with adapter TM-A446 or Metal-Fab direct venting with the use of Metal-Fab adapter part # 4DDA . Install the vent components according to the manufacturer's instructions being sure to use spacers (see Figure 5) every 3' to ensure correct spacing is maintained between air intake and exhaust. Slope horizontal pipe at least 1/4" (6 mm) rise per foot of horizontal run away from the fireplace. Allow 1" (25 mm) clearance to the vent. Refer to the graph for allowable vent configurations. Be sure to ensure that termination area allows enough room for adequate combustion and ventilation air and that the flow of combustion and ventilation air is not obstructed.

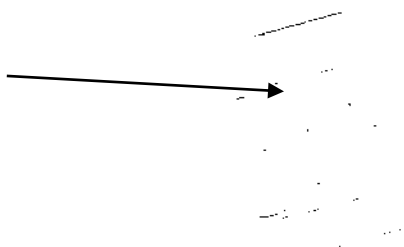
L'appareil doit être connecté à cotée 2 couches d'aluminium ventilation et bouchon de ventilation / kit de terminaison, 4 "flex évent sur le côté de l'échappement et répertoriés 7 " flex évent sur le côté d'admission d'air ou peut être utilisé avec sécurité ventilation , Dura-Vent 4 "x 6-5 / 8 " avec l'utilisation d'adaptateurs Dura -Vent W175-0053 & 0926I partie les # 's , Selkirk Direct -Temp évacuation avec adaptateur partie #1604247B, ICC évacuation avec adaptateur TM-A446 ou Metal-Fab évacuation directe à l'utilisation de Metal-Fab adaptateur partie # 4DDA . Installez les composants de ventilation selon les instructions du fabricant en veillant à utiliser des entretoises ( voir figure 5) tous les 3' pour assurer un espacement correct est maintenu entre l'apport d'air et l'échappement. Pente tuyau horizontal d'au moins 1/4 " ( 6 mm ) par pied de course horizontale loin du foyer . Laisser 1 " ( 25 mm ) à l'évent . Reportez-vous au graphique de configuration de l'évacuation admissibles . Veillez à ce que la zone de terminaison permet assez de place pour combustion et l'air de ventilation et que le débit de combustion et de l'air de ventilation n'est pas obstruée.

**NOTE**

**If at any time the vent-air intake piping is dismantled, use the vent manufacturer's instructions and the sealing instructions for reassembly.  
Si à tout moment de la tuyauterie d'admission d'air de ventilation est démontée, utilisez la ventilation instructions du fabricant et les instructions d'étanchéité pour le remontage**

Figure 5

Spacer

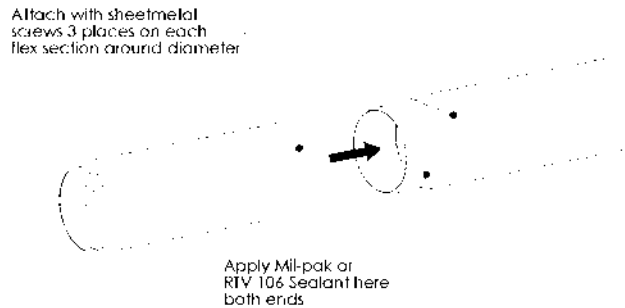


This appliance's venting system is room sealed or Direct Vent. This means that it does not require room air for combustion but draws air from outside the building.

## USE OF COUPLERS – WITH FLEX PIPE

In the event of a puncture of the vent pipe or if an extension is needed couplers may be used. High temperature sealant shall be applied to the ends of the coupler and the coupler shall then be inserted into the flex vent. Use 3 #8 x ½" hex head sheet metal screws on each end of the joint to fasten the coupler to the venting.

Figure 6



### Dura-Vent or Selkirk Direct-Temp Venting

The **minimum vent system** for horizontal termination must consist of:

- Dura-Vent adapter Part # W175-0053 directly on top of unit or Selkirk Part #1604247B
- 12" (305mm) vertical length of vent
- 90 degree elbow
- 12" (305 mm) length horizontally
- Wall thimble part #IMC1082A
- Dura-Vent Horizontal termination cap 0984 / or / Selkirk Horizontal termination cap 4DT-HC

The **maximum horizontal** vent system consists of:

- Dura-Vent adapter Part # W175-0053 directly on top of unit or Selkirk Part #1604247B
- 34' (10363 mm) vertical length directly on top of the stove
- 4 - 90 degree elbows
- 20' (6096 mm) maximum horizontal length
- Wall thimble part# IMC1082A
- Dura-Vent Horizontal termination cap 0984 / or / Selkirk Horizontal termination cap 4DT-HC

The **maximum vertical** system consists of:

- Dura-Vent adapter Part # W175-0053 directly on top of unit or Selkirk Part #1604247B
- Up to 34' (10363 mm) of vertical length
- Fire stop
- Flashing
- Collar
- Termination cap part # 0991 / or / Selkirk termination cap 4DT-VC

### ICC VENTING

The **minimum vent system** for horizontal termination must consist of:

- ICC adapter TM-A446 directly on top of unit
- 12" (305mm) vertical length of vent
- 90 degree elbow
- 12" (305 mm) length horizontally
- Wall thimble part # TM-4WT
- Horizontal termination cap TM-4HT

The **maximum horizontal** vent system consists of:

- ICC adapter TM-A446 directly on top of unit
- 34' (10363 mm) vertical length directly on top of the stove
- 4 - 90 degree elbows
- 20' (6096 mm) maximum horizontal length
- Wall thimble part# TM-4WT
- Horizontal termination cap TM-4HT

The **maximum vertical** system consists of:  
ICC adapter TM-A446 directly on top of unit  
Up to 34' (10363 mm) of vertical length  
Fire stop  
Flashing  
Collar  
Termination cap part # TM-4VT

### **Security Venting**

The **minimum vent system** for horizontal termination must consist of:  
Dura-Vent adapter Part # W175-0053 directly on top of unit  
12" (305mm) vertical length of vent  
90 degree elbow  
12" (305 mm) horizontal length of vent  
Wall thimble part #IMC1082A  
Horizontal termination cap SV4CHC

The **maximum horizontal** vent system consists of:  
Dura-Vent adapter Part # W175-0053 directly on top of unit  
34' (10363 mm) vertical length directly on top of the stove  
4 - 90 degree elbows  
20' (6096 mm) maximum horizontal length  
Wall thimble part# IMC1082A  
Horizontal termination cap SV4CHC

The **maximum vertical** system consists of:  
Dura-Vent adapter Part # W175-0053 directly on top of unit  
Up to 34' (10363 mm) of vertical length  
Fire stop  
Flashing  
Collar  
Termination cap part # SV4CGV

Use a ceiling fire stop when penetrating a ceiling or floor. Use a wall thimble when penetrating an inside or outside wall. Vent terminals shall not be recessed into a wall or siding.

### **Metal-Fab Venting**

The **minimum vent system** for horizontal termination must consist of:  
Metal-Fab adapter Part # 4DDA directly on top of unit  
12" (305mm) vertical length of vent  
90 degree elbow  
12" (305 mm) length horizontally  
Wall thimble part #IMC1082A  
Horizontal termination cap 4DHT

The **maximum horizontal** vent system consists of:  
Metal-Fab adapter Part # 4DDA directly on top of unit  
34' (10363 mm) vertical length of vent  
4 - 90 degree elbows  
20' (6096 mm) maximum horizontal length  
Wall thimble part# IMC1082A  
Horizontal termination cap 4DHT

The **maximum vertical** system consists of:  
Metal-Fab adapter Part # 4DDA directly on top of unit  
Up to 34' (10363 mm) of vertical length  
Fire stop  
Flashing  
Collar  
Termination cap part # 4DVT

## **2-Ply Aluminum Flex Vent**

The **minimum vent system** for horizontal termination must consist of:

- 12" (305 mm) vertical length (measured to center of vent pipe) with a 90 degree bend and a 12" (305 mm) horizontal length (measured from center of vent pipe)

- Wall thimble part# IMC1082A

- Horizontal termination cap part # IMC1070A or IMC1070B

The **maximum horizontal** vent system

consists of:

- 34' (10363 mm) vertical length with a 4 - 90 degree bends and a 20' (6096 mm) horizontal length (measured to center of vent pipe)

- Wall thimble part# IMC1082A

- Horizontal termination cap part # IMC1070A or IMC1070B

**Note: Horizontal venting shall be supported, by means of a steel strap, every 3'.**

The **maximum vertical** system consists of:

- Up to 34' (10363mm) of vertical length

- Fire stop

- Flashing

- Collar

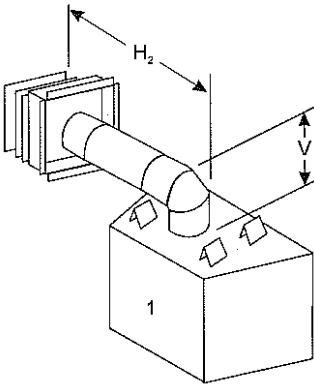
- Adapter from flex to Simpson Dura-Vent part 0926I

- Termination cap part # 0991

A maximum of 4 – 90 degree bends can be used on the vertical installation with the flex vent. The maximum height for this vent configuration is 34' (10363 mm) and the minimum height is 4' (1219 mm), the maximum horizontal run is a total of 20' (6096mm). When fastening the flex vent to the termination and to the unit use a minimum of 3 # 8 x 1/2" hex head sheet metal screws on the 4" vent and a minimum of 4 - # 8 x 1/2" hex head sheet metal screws on the 7" vent.

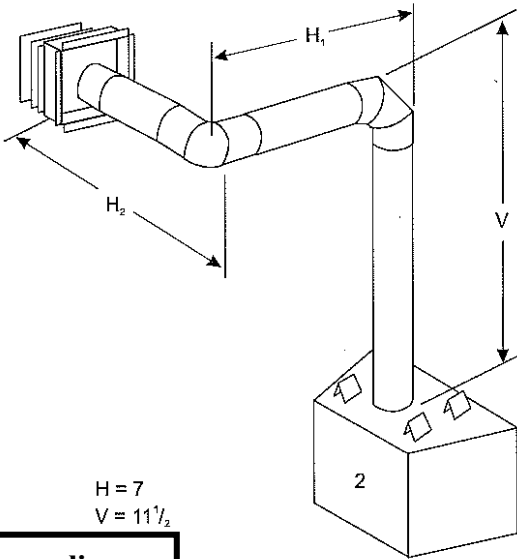
**VENT TABLE**  
(All values are in feet)

| 1 & 2                                           | 1                     | 2                                      |
|-------------------------------------------------|-----------------------|----------------------------------------|
| V                                               | H <sub>1</sub><br>Max | H <sub>1</sub> + H <sub>2</sub><br>Max |
| 1                                               | 2 ½                   | -                                      |
| 2                                               | 5                     | -                                      |
| 3                                               | 5 ½                   | 4 ½                                    |
| 4                                               | 7                     | 6                                      |
| 5                                               | 8 ½                   | 7 ½                                    |
| 6                                               | 10                    | 9                                      |
| 7                                               | 11 ½                  | 11 ½                                   |
| 8                                               | 11 ½                  | 11 ½                                   |
| 34                                              | 11 ½                  | 11 ½                                   |
| V = 34 Feet Max.                                |                       |                                        |
| H <sub>1</sub> + H <sub>2</sub> = 11 ½ Feet Max |                       |                                        |



$H = 1$   
 $V = 2\frac{1}{2}$

Test Condition A

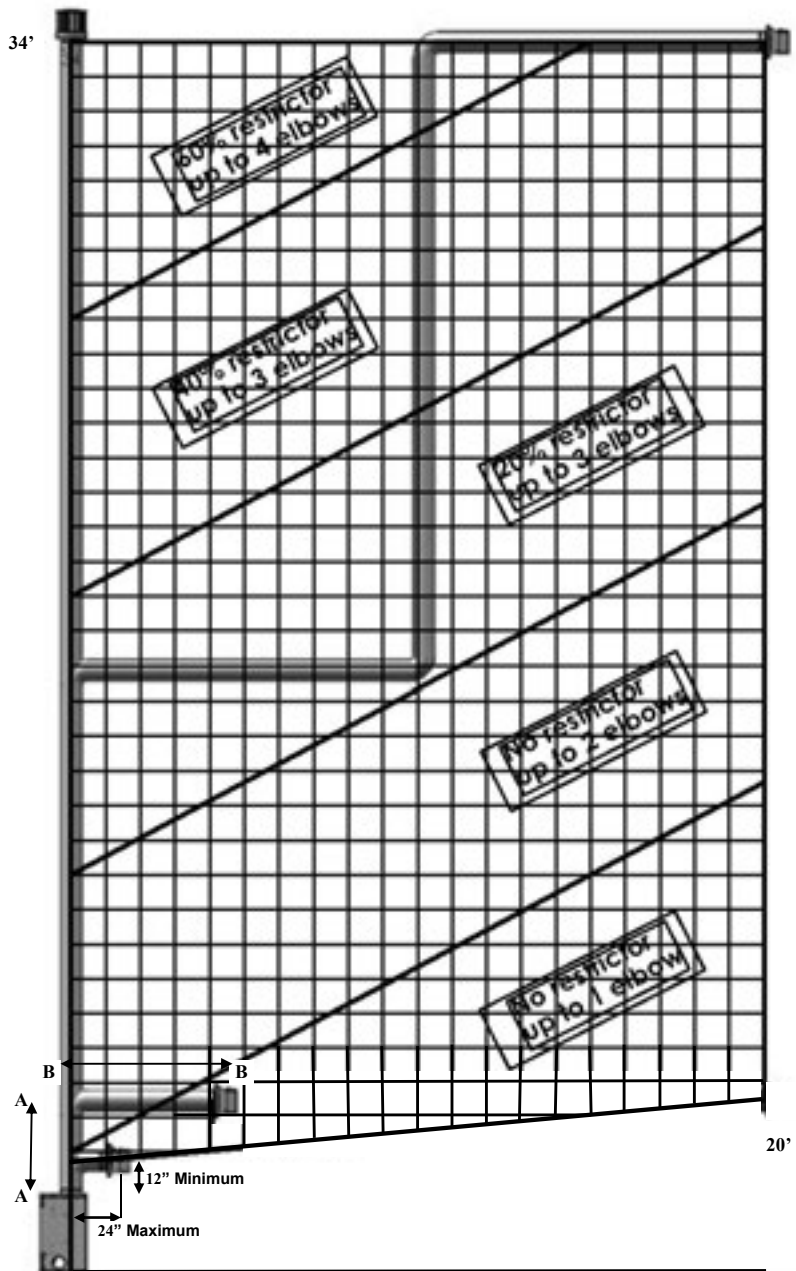


$H = 7$   
 $V = 11\frac{1}{2}$

Test Condition B

**NOTE:** All vent dimensions are measured from the appliance surface where the vent connects to the point where exhaust gases exit the termination.

**REMARQUE:** Toutes les dimensions sont mesurées à partir d'aération de la surface de l'appareil où l'évent se connecte au point où les gaz d'échappement de sortie de la résiliation.



(Example: Where A---A = Vertical @ 2'  
And B---B = Horizontal @ 5')

## USE OF SEALANT

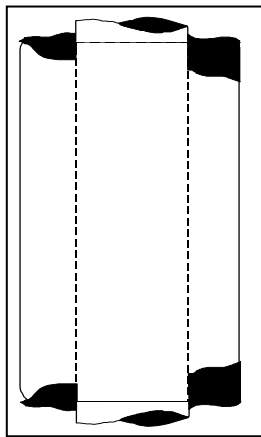
Sealant is required on vent system joints, except Metal-Fab Sure-Seal direct vent system joints (figure 7). On longer vent runs, especially vertical runs, sealant will ensure that the combustion air enters from outdoors, and not through the vent joints. Use high temperature sealant, available from local suppliers, on the inner pipe joint, applying the sealant around the outside of the male part of the vent. A bead of silicone should be used on the outside of the joint after assembly to seal the supply air. If the venting is disconnected for servicing, be sure to follow above instructions for resealing venting when reconnecting to system.

**NOTE**

**A minimum clearance to combustibles must be maintained around the vent pipe of 1" on all horizontal and vertical pipe runs**

**Un dégagement minimum aux matériaux combustibles doit être maintenu autour du tuyau de 1 "sur toutes les canalisations horizontales et verticales fonctionne**

**FIGURE 7**



**Apply RTV high temperature sealant around male pipe.**

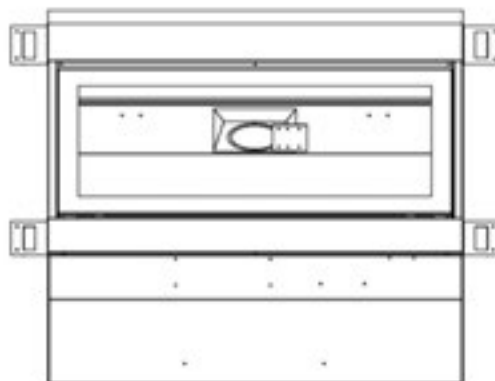
## VENT RESTRICTOR INSTALLATION

### VENT RESTRICTOR

| Vent Configuration | Restrictor Size |
|--------------------|-----------------|
|                    | 60%             |
|                    | 40%             |
|                    | 20%             |

To fasten the Restrictor Plate to the ceiling of the firebox:

- 1/. Remove the 2 screws that are in place
- 2/. Align holes in the Restrictor that match the required degree of restriction
- 3/. Fasten Restrictor Plate back in place.

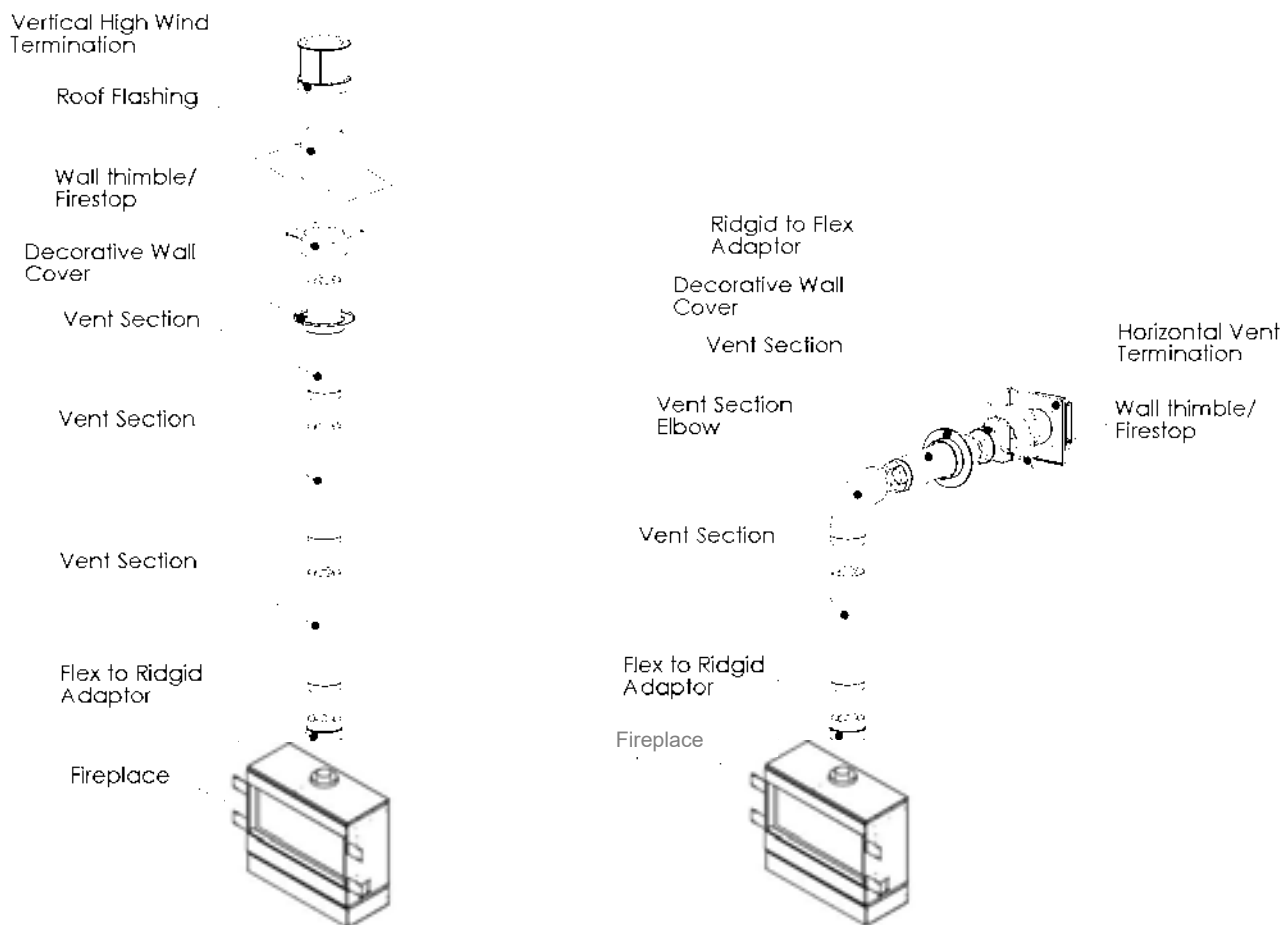


## VENT RESTRICTOR INSTALLATION (continued)

The restrictors are installed by removing the 2 screws on the ceiling of the firebox, place the desired restrictor in place and use the screws to fasten the restrictor to the firebox. You must first remove the firebox baffle (4 screws) before installing the desired restrictor. Return the firebox baffle after installing the restrictor.

### Typical Dura-Vent & Security Chimney's Installation:

Vent terminals shall not be recessed into a wall or siding.



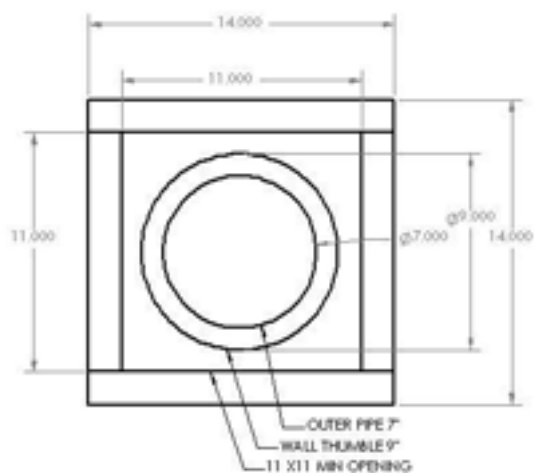
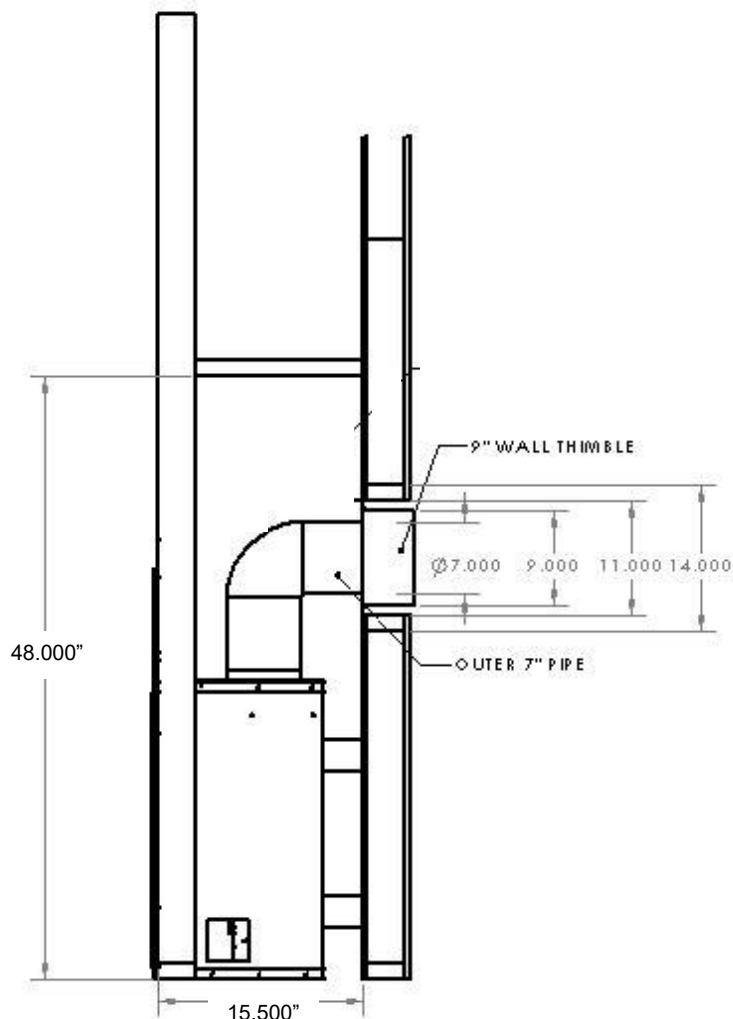
### Horizontal Wall Vent Terminations

The position of the horizontal vent termination must be positioned in such a way as to meet all local building codes. Attach the correct length of pipe. Mark the center line of the pipe facing the wall (allowing for a 1/4" rise per foot of horizontal, example 10 ft of horizontal would require a rise of 2.5").

**NOTE**

**ALLOWING THE VENT PIPE TO SLOPE DOWN TOWARDS THE VENT TERMINATION COULD CAUSE POOR COMBUSTION AND/OR HIGH TEMPERATURES THAT MAY PRESENT A FIRE HAZARD.**

**PERMETTRE LA tuyau de ventilation vers descendant vers la sortie de ventilation POURRAIT PROVOQUER une mauvaise combustion et / ou de températures élevées qui peuvent présenter des risques d'incendie.**



Safety Cage

Mark a 11" x 11" square around the center mark (inside dimensions). Cut and frame the exterior wall to accept the wall thimble. Install the wall thimble, on the inside of the exterior wall, shield using wood screws.

Attach the venting to the termination using sheet metal screws, for Z-Flex installations an Inca Metal Cutting's termination part # IMC1070A or IMC1070B shall be used and when using Simpson Dura-Vent or Security Venting a Simpson Dura-Vent termination part # P574 shall be used.

To install the termination attach the 4" exhaust to the termination and fasten with 3 #8 x 1/2" hex head sheet metal screws then attach the 7" vent to the termination and fasten with 4 #8 x 1/2" hex head sheet metal screws, be sure that the flex vent overlaps the termination collars a minimum of 2". Then attach the termination to the exterior wall using four wood screws through the holes in the corner of the vent terminal.

The next step is to apply a bead of mil-pac or RTV 106 to top of the 4" exhaust collar on the unit and attach the 4" vent using screws (as described above), finally apply a bead of mil-pac or RTV 106 to top of the 7" vent and attach (as described above).

### Safety Cage / Cage de sécurité

A safety cage may be required on low terminations. Please check with your local safety authority. Une cage de sécurité peut être nécessaire de faibles terminaisons. S'il vous plaît vérifiez auprès de votre autorité de sécurité locale.

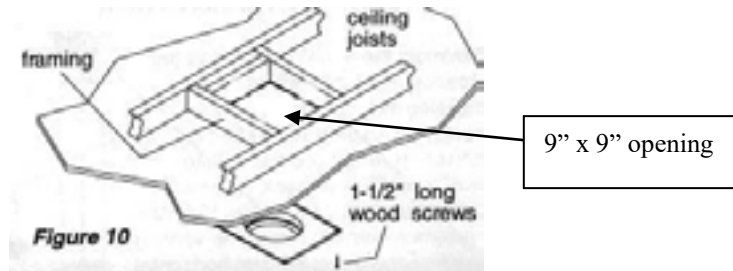
### Vertical Installations

Always maintain a 1" clearance around the vent pipe (vertical) and 1" clearance horizontal, when passing through ceilings, walls, roofs, enclosures, attic rafter or any combustible surfaces.

**NOTE**

**DO NOT PACK AIR SPACES WITH INSULATION  
NE PAS PACK ESPACES D'AIR AVEC ISOLATION**

**When passing through a flat ceiling** install a Box/Wall thimble. Cut a 9" square hole and frame as shown in the diagram below.



**NOTE**

**ALWAYS CHECK YOUR LOCAL CODES BEFORE INSTALLING VENTING. CLEARANCES ETC,  
MAY VARY FROM STATE TO STATE (PROVINCE TO PROVINCE).  
TOUJOURS vérifier les codes locaux avant l'installation VENTILATION. ETC DÉGAGEMENTS, peut  
varier d'ÉTAT (PROVINCE).**

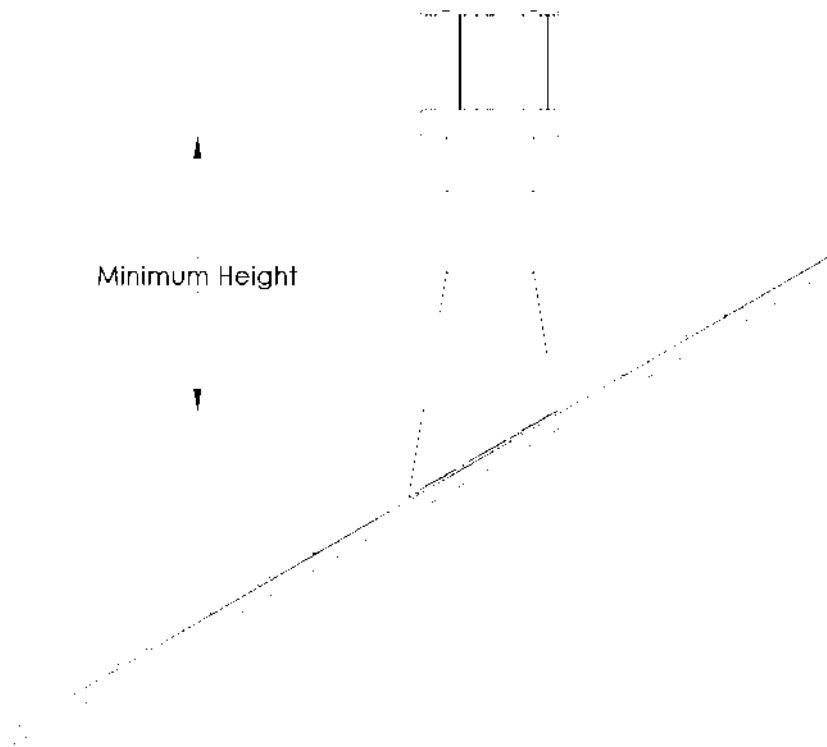
**NOTE**

**CONSULT DURAVENT PARTS LIST OR INCA METAL CUTTING'S FIREPLACE MANUFACTURING  
PARTS LIST FOR PART NUMBERS.  
FOYER Duravent CONSULT LISTE DES PIÈCES OU COUPE METAL INCA de fabrication LISTE  
DES PIÈCES DE RÉFÉRENCE.**

**See section 3.3.4 Venting for instructions on how to connect Security or Dura-vent  
venting.**

## Termination above Roof

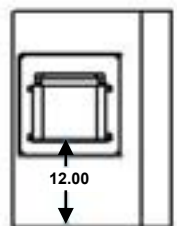
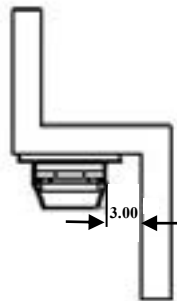
Consult local codes for minimum vent cap height above the roof (X), vent must be a minimum of 2' from any wall.

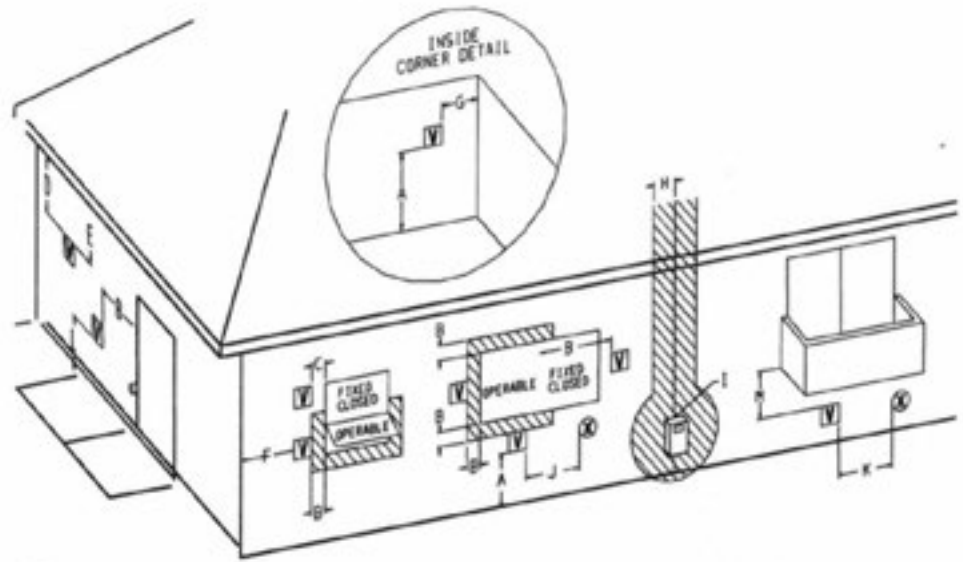


To prevent water seepage; install the flashing with upper portion under the roofing material and the lower portion over the roofing material.

Note: Do not fasten down until the final adjustments to the vent have been made.

The diagram at right shows the minimum clearances as per the chart on page 34.





**V** VENT TERMINAL  
Canadian Installations<sup>1</sup>

**X** AIR SUPPLY INLET  
US Installations<sup>2</sup>

**Hatched Area** AREA WHERE TERMINAL IS NOT PERMITTED

|                                                                                                                                                           | Canadian Installations <sup>1</sup>                                                                                                                                                 | US Installations <sup>2</sup>                                                                                                                                                    |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| A= Clearance above grade, veranda, porch, deck, or balcony                                                                                                | 12 in (30 cm)                                                                                                                                                                       | 12 in (30 cm)                                                                                                                                                                    |
| B= Clearance to window or door that may be opened                                                                                                         | 6 in (15 cm) for appliances ≤ 10,000 Btuh (3 kW), 12 in (30 cm) for appliances > 10,000 Btuh (3 kW) and ≤ 100,000 Btuh (30 kW), 36 in (91 cm) for appliances > 100,000 Btuh (30 kW) | 6 in (15 cm) for appliances ≤ 10,000 Btuh (3 kW), 9 in (23 cm) for appliances > 10,000 Btuh (3 kW) and ≤ 50,000 Btuh (15 kW), 12 in (30 cm) for appliances > 50,000 Btuh (15 kW) |
| C= Clearance to permanently closed window                                                                                                                 | *                                                                                                                                                                                   | *                                                                                                                                                                                |
| D= Vertical clearance to ventilated soffit located above the terminal within a horizontal distance of 2 feet (61 cm) from the center line of the terminal | 18 1/2"                                                                                                                                                                             | 18 1/2"                                                                                                                                                                          |
| E= Clearance to unventilated soffit                                                                                                                       | *                                                                                                                                                                                   | *                                                                                                                                                                                |
| F= Clearance to outside corner                                                                                                                            | 0"                                                                                                                                                                                  | 0"                                                                                                                                                                               |
| G= Clearance to inside corner                                                                                                                             | 3"                                                                                                                                                                                  | 3"                                                                                                                                                                               |
| H= Clearance to each side of center line extended above meter/regulator assembly                                                                          | 3 ft (91 cm) within a height 15 ft (4.5 m) above the meter/regulator assembly                                                                                                       | *                                                                                                                                                                                |
| I= Clearance to service regulator vent outlet                                                                                                             | 3 ft (91 cm)                                                                                                                                                                        | *                                                                                                                                                                                |
| J= Clearance to nonmechanical air supply inlet to building or the combustion air inlet to any other appliance                                             | 6 in (15cm) for appliances ≤ 10,000 Btuh (3kW), 12 in (30 cm) for appliances > 10,000 Btuh (3kW) and ≤ 100,000 Btuh (30kW), 36 in (91 cm) for appliances > 100,000 Btuh (30kW)      | 6 in (15cm) for appliances ≤ 10,000 Btuh (3kW), 9 in (23 cm) for appliances > 10,000 Btuh (3kW) and ≤ 50,000 Btuh (15kW), 12 in (30cm) for appliances > 50,000 Btuh (15kW)       |
| K= Clearance to a mechanical air supply inlet                                                                                                             | 6 ft (1.83 m)                                                                                                                                                                       | 3 ft (91 cm) above if within 10ft (3 m) horizontally                                                                                                                             |
| L= Clearance above paved sidewalk or paved driveway located on public property                                                                            | 7 ft (2.13 m) †                                                                                                                                                                     | *                                                                                                                                                                                |
| M= Clearance under veranda, porch deck or balcony                                                                                                         | 12 in (30 cm) ‡                                                                                                                                                                     | *                                                                                                                                                                                |

1 In accordance with the current CSA B149.1, *Natural Gas and Propane Installation Code*

2 In accordance with the current ANSI Z223.1 / *NFPA 54, National Fuel Gas Code*

† A vent shall not terminate directly above a sidewalk or paved driveway that is located between two single family dwellings and serves both dwellings

‡ Permitted only if veranda, porch, deck or balcony is fully open on a minimum of two sides beneath the floor

\* For clearances not specified in ANSI Z223.1 / *NFPA 54* or *CSA B149.1* one of the following shall be indicated

a). A minimum clearance value determined by testing in accordance with section 2.23.5, or:

b). A reference to the following footnote: "Clearance in accordance with local installation codes and the requirements of the gas supplier."

### 3.3.5 GLASS INSTALLATION / Installation de verre

**CAUTION  
ATTENTION**

**Burn medium positions are critical to the safe and clean operation of this appliance. Never add any other material into the firebox. Use only with burn medium supplied with this unit.**

**Burn positions moyennes sont critiques pour le fonctionnement sûr et propre de cet appareil. Ne jamais ajouter d'autres matériaux dans le foyer. Utilisez uniquement graver moyen fourni avec cet appareil.**

#### Step 1.

Sprinkle burner channel with glass. Make sure to cover the burner pan evenly. Then add decorative rocks to outer pan area. / Saupoudrer le canal du brûleur avec verre. Assurez-vous de couvrir la casserole du brûleur de façon égale. Puis ajoutez les roches décoratives à la zone pan extérieur.

**This shows positions of media critical to correct flame pattern.**



#### Step 2

Make sure that only the glass covers the burner holes. / Assurez-vous que seul le verre recouvre les trous du brûleur.

Install the door see instructions below. Replace lower access strip in front of door / Installez la porte voir les instructions ci-dessous. Remplacer la bande inférieure d'accès en face de la porte

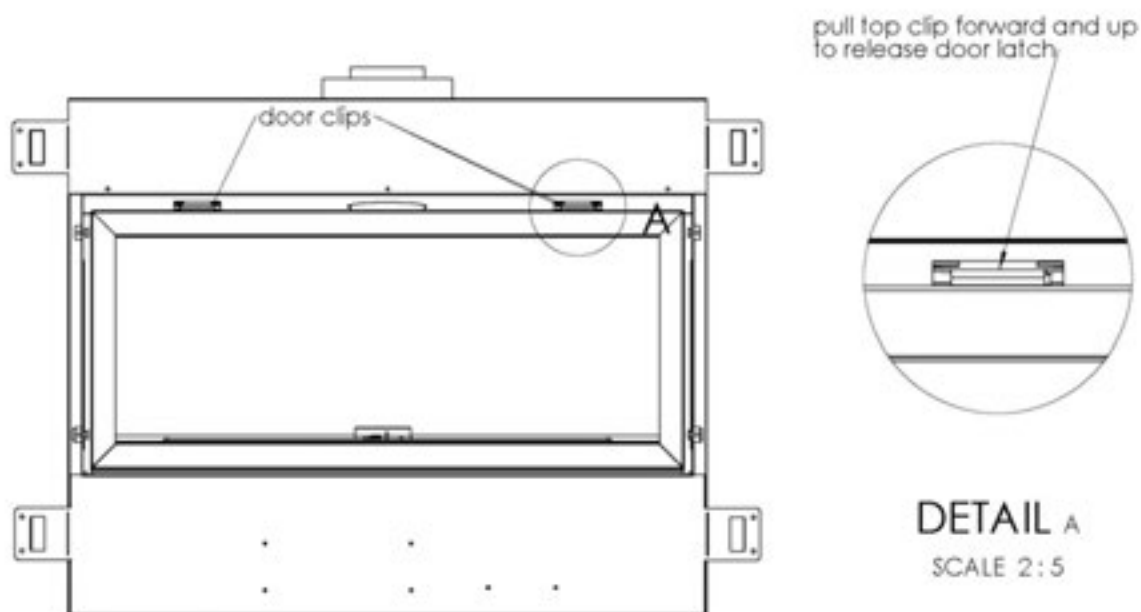
Turn your fireplace on and wait approximately 10-15 minutes until the flames are a nice yellow colour. Note the flame pattern and in any low or high areas adjust the amount of river glass to correct gas flow.

#### **WARNING AVERTISSEMENT**

**YOU MUST WEAR FLAME AND HEAT RESISTANT GLOVES FOR THESE ADJUSTMENTS.**

**VOUS PORTER DES GANTS DE FLAMME ET RESISTANT A LA CHALEUR DE CES  
AJUSTEMENTS.**

### 3.3.6 DOOR INSTALLATION



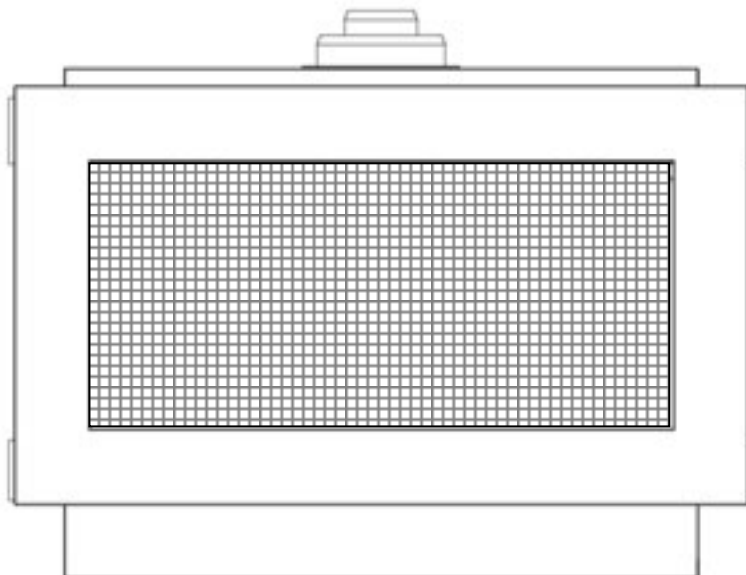
#### WARNING AVERTISSEMENT

Do not operate this appliance with the glass front removed, cracked or broken.  
Replacement of the glass should be done by a licensed or qualified service person.

- For use with glass doors certified with the appliance only
- Do not use any substitute materials
- Do not abuse glass doors by striking or slamming shut

Ne pas faire fonctionner cet appareil avec la façade en verre est enlevée, fissurée ou cassée.  
Remplacement de la vitre doit être effectué par un technicien spécialisé ou agréé.

- Pour utilisation uniquement avec les portes en verre certifiées avec l'appareil
- Ne pas utiliser de matériaux de substitution
- Ne pas les portes en verre d'abus, par la suppression ou claquement fermé



Surround and safety screen shown above. Unit requires one of the mandatory surround options.  
This unit comes with a mandatory safety screen which is mechanically attached to the fireplace.

### 3.3.7 INITIAL FIRING

When lit for the first few times, the appliance may emit an odor resulting from evaporation of paint and lubricants used in the manufacturing process. Open a door or window for ventilation. Anyone with a respiratory condition may need to leave the room during the initial firings.

NOTE

**It is normal for the appliance to expand and contract while it heats up or cools down whether this is from a cold start or a steady-state condition where the fan has come on or off. Under these circumstances it is possible that the expansion/contraction of the metal parts may produce sounds.**

**Il est normal que l'appareil à dilater et se contracter pendant qu'elle se réchauffe ou se refroidit s'il s'agit d'un démarrage à froid ou d'un état d'équilibre où le ventilateur est venu sous ou hors tension. Dans ces circonstances, il est possible que l'expansion et la contraction des pièces métalliques peuvent produire des sons**

Occasionally, after a cold start, vapor may condense and fog the glass, and the flames may be partially blue. After a few minutes the moisture will disappear and the flames will become yellow. Visually check the flame after warm-up.

### 3.3.9 MANIFOLD PRESSURE REGULATOR ADJUSTMENT

The manifold pressure regulator controls gas input and flame height, and is pre-adjusted at the factory. No further adjustment is required.

#### PILOT FLAME ADJUSTMENT

For proper operation, the pilot and main burner flames must be steady and not lifting off or floating. The top 3/8" – 1/2" (10-13mm) of the thermocouple should be engulfed by the pilot flame.



### 3.3.9 PRIMARY AIR ADJUSTMENT / AJUSTEMENT DE L'AIR PRIMAIRE

Aeration is factory set but may need adjustment for altitude or movement during shipping. / L'aération est réglée en usine, mais peut nécessiter un ajustement de l'altitude ou le mouvement pendant le transport.

To adjust the air shutter / Pour ajuster l'obturateur d'air

- 1/. Turn off the gas / Fermez le gaz
- 2/. Remove the door / Enlevez la porte
- 3/. Remove glass from burner / Retirez le verre du brûleur
- 4/. The burner pan does not need to be removed to adjust the air shutter / The burner pan does not need to be removed to adjust the air shutter
- 5/. Undo the set screw on the air shutter and adjust accordingly then retighten the set screw. / Défaire la vis de réglage sur le volet d'air et d'ajuster en conséquence, puis resserrez la vis de réglage.



- 6/. Reassemble the fireplace in reverse order from 3 through 2. / Remonter la cheminée dans l'ordre inverse de 3 à 2.
- 7/. Turn on the gas. / Allumez le gaz.

**CAUTION  
ATTENTION**

**PARTS REQUIRING ADJUSTMENT DURING OPERATION MAY BE HOT.**

**PIECES NECESSITANT REGLAGE PENDANT LA MARCHE PEUT ETRE CHAUDE**

#### **Factory Setting**

Natural Gas – 1/8" (3.175mm)

Propane – Fully open

Aeration adjustment is important for the correct functioning of the appliance. Carbon build up, flame lifting or any malfunction due to improper aeration adjustment during installation is not covered under the factory warranty.

Réglage de l'aération est importante pour le fonctionnement correct de l'appareil. Une accumulation de carbone, de levage flammes ou de toute défaillance due à une mauvaise aération d'ajustement lors de l'installation n'est pas couvert par la garantie d'usine.

### **3.3.10 ALTITUDE ADJUSTMENT**

| Altitude                       | Natural Gas – Orifice Size | Propane – Orifice Size |
|--------------------------------|----------------------------|------------------------|
| 0 – 4500 ft (0 – 1372 m)       | 43                         | 55                     |
| 4500 - 6500 ft (1372 - 1981 m) | 44                         | 56                     |
| 6500 - 8500 ft (1981 – 2591 m) | 45                         | 57                     |

All valves have been pre-set and certified for installation at elevations from 0 – 4500 feet (0-1372m) above sea level. The appliance is certified to CSA 2.17- M91 – gas fired appliances for use at high altitudes.

When installing this unit at higher elevations, it is necessary to decrease the input rating by replacing the existing burner orifice with a smaller size for installations over 4500 feet (1372m). For the USA, de-rate the unit from sea level according to the gas installation code.

Toutes les vannes ont été pré-set et certifié pour l'installation à une altitude de 0 à 4500 pieds (0-1372m) au dessus du niveau de la mer. L'appareil est certifié à la norme CSA 2.17- M91 - appareils à gaz pour une utilisation à haute altitude. Lors de l'installation de cet appareil à haute altitude, il est nécessaire de baisser la note d'entrée par le remplacement de l'orifice du brûleur existant avec une taille plus petite pour les installations de plus de 4500 pieds (1372m). Pour les États-Unis, de taux de l'unité de niveau de la mer selon le code d'installation de gaz

### 3.3.11 FAN ACCESSIBILITY / FAN ACCESSIBILITÉ

CAUTION  
ATTENTION

**TURN THE MAIN GAS & POWER OFF TO FIREPLACE BEFORE COMMENCING ANY WORK ON THE FIREPLACE THIS SHOULD BE DONE BY A LICENSED, CERTIFIED GAS INSTALLER**

**TURN LE PRINCIPAL GAZ ET MISE HORS TENSION AU FOYER AVANT DE COMMENCER TOUT TRAVAIL SUR LA FOYER CELA DEVRAIT ETRE FAIT PAR UNE LICENCE, VOTRE FOURNISSEUR DE GAZ**

1/. Remove lower access panel from in front of door. Remove the door as in 3.3.6 / Retirez du panneau d'accès inférieur en face de la porte. Enlevez la porte comme dans 3.3.6

2/. Remove the burner pan by undoing the screws at front and back of pan. Remove the burner carefully (rocks can be left on pan if removal is done with care). / Retirer la casserole du brûleur en dévissant les vis à l'avant et l'arrière du poêle. Retirez le brûleur avec soin (roches peuvent être laissés sur poêle si l'enlèvement est fait avec soin)



3/. Remove the access panel in the middle of the firebox just in front of the burner / Retirez le panneau d'accès au milieu du foyer, juste en face du brûleur



4/. The fan is attached with magnets for ease of installation and can be pulled off the rear wall. / Les fan sont attachés avec des aimants pour la facilité d'installation et peut être retiré de la paroi arrière



5/. Once removed from the wall the fan will slide out through the opening. / Une fois retiré du mur que les fan vont glisser par l'ouverture.

6/. To replace fan and reassemble the fireplace go in reverse order from steps 5 through 1. / Pour remplacer les fan et montons la cheminée aller dans l'ordre inverse des étapes 5 à 1.



The pictures at left show the electrical box that controls the fan, the power cord attached and the strain relief connected to the box.



### 3.3.12 GAS VALVE ACCESSIBILITY / ACCESSIBILITÉ ROBINET DE GAZ.

**CAUTION  
ATTENTION**

**TURN THE MAIN GAS & POWER OFF TO FIREPLACE BEFORE COMMENCING ANY WORK ON THE FIREPLACE THIS SHOULD BE DONE BY A LICENSED, CERTIFIED GAS INSTALLER**

**TURN LE PRINCIPAL GAZ ET MISE HORS TENSION AU FOYER AVANT DE COMMENCER TOUT TRAVAIL SUR LA FOYER CELA DEVRAIT ETRE FAIT PAR UNE LICENCE, VOTRE FOURNISSEUR DE GAZ**

1/. Remove the lower access panel from in front of door. Remove the door as in 3.3.6 / Retirez du panneau d'accès inférieur en face de la porte. Enlevez la porte comme dans 3.3.6

2/. Undo the thumb screws on the valve mount brackets at either end of the valve and slide valve out through access panel below door. / Dévissez les vis à oreilles sur les supports de montage de soupape à chaque extrémité de la soupape et faites glisser la soupape à travers le panneau d'accès sous la porte.



3/. Carefully tilt the valve through the opening and lift out of firebox for accessibility. / Soigneusement incliner la valve à travers l'ouverture et de sortir de la chambre de combustion pour l'accessibilité.

4/. Replace valve in reverse order from steps 3 through 1. / Remplacer la vanne dans l'ordre inverse les étapes 3 à 1.

#### **WARNING AVERTISSEMENT**

**BE CERTAIN TO CHECK FOR GAS LEAKS AT ALL GAS CONNECTIONS AFTER REINSTALLATION OF VALVE.**

**IL EST INDISPENSABLE DE VÉRIFIER LES FUITES DE GAZ A TOUS LES CONNEXIONS DE GAZ APRÈS LA RÉINSTALLATION DE LA VANNE.**

## 4.0 MAINTENANCE

---

### 4.1 MAINTENANCE SAFETY

#### **WARNING AVERTISSEMENT**

**TURN OFF THE GAS TO THE MAIN BURNER AND ALLOW THE HEATER TO COOL FOR UP TO 30 MINUTES BEFORE SERVICING.**  
**COUPEZ LE GAZ AU BRÛLEUR PRINCIPAL ET LAISSEZ L'APPAREIL REFROIDIR PENDANT JUSQU'À 30 MINUTES AVANT L'ENTRETIEN.**

Service 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 technician. More frequent cleaning may be required due to excessive lint from carpeting, bedding material, etc. It is important that the access door compartment, burner, and circulating air passageways be kept clean to provide for adequate combustion and ventilation airflow. Do not substitute materials or use components other than factory supplied.

### 4.2 RECOMMENDED SERVICE

1. The venting system should be annually inspected by a qualified agency.
2. Visually check the burner and pilot flames occasionally. Visually inspect height and color of flames
3. Clean the glass as needed. See section 4.3 for instructions on glass cleaning.
4. Have the appliance inspected annually by a professional service technician.
5. Clean the appliance regularly.

Annual service: An annual service call should take between 1 – 2 hours. Start by disassembling the unit; take off the door and remove all the embers, burner, and logs. Clean fan with a vacuum to remove any dust. Vacuum the whole firebox and all the air passages. Clean the burner. After everything is clean, check all the connections and the chassis ground and reassemble. Clean the glass.

### 4.3 GLASS CLEANING

The inside of the glass may require periodic cleaning to remove deposits left from impurities in the gas and combustion air. For best results, use a ceramic glass cleaner or polish. Use a cleaner suitable for ceramic glass (e.g. cerama bryte stove cleaner). Avoid the use of ammonia based cleaners such as Windex®. Do not clean while hot. Do not use abrasive cleaners. Make sure you clean off any white film on the fireplace glass as soon as possible – otherwise the glass may deteriorate.

### 4.4 BURNER & PILOT CLEANING

Periodic cleaning is necessary for proper operation. Remove the burner, and check that the burner orifice is clean. Visually inspect the pilot. Brush or blow away any dust, lint, or foreign debris. If the pilot orifice is plugged, disassembly may be required to remove any foreign material from the orifice or tubing. When the appliance is back in service, check the pilot flame pattern. For re-lighting, refer to the lighting instructions in Section 2.1.

## 4.5 VALVE AND PILOT ASSEMBLY REPLACEMENT

### **WARNING AVERTISSEMENT**

**THE FOLLOWING PROCEDURE IS TO BE PERFORMED BY QUALIFIED PERSONNEL ONLY  
TURN OFF THE GAS TO THE MAIN BURNER AND ALLOW THE HEATER TO COOL FOR UP TO 30 MINUTES BEFORE  
SERVICING.**

**LA PROCÉDURE SUIVANTE EST EFFECTUÉE PAR DU PERSONNEL QUALIFIÉ  
COUPEZ LE GAZ AU BRÛLEUR PRINCIPAL ET LAISSEZ L'APPAREIL REFROIDIR PENDANT JUSQU'À 30 MINUTES  
AVANT L'ENTRETIEN.**

1. Turn off the gas at the meter. / Coupez le gaz au compteur.
2. Remove the door. / Enlevez la porte.
3. Remove the burner by loosening the screws and lifting it out see section 3.3.9. If the decorative glass is removed from the burner pan make sure you do not get any medium around the pilot when replacing it. / Enlever le brûleur en desserrant les vis et en soulevant it out voir la section 3.3.9. Si le verre décoratif est retiré de la cuvette du brûleur assurez-vous que vous ne recevez pas n'importe quel support autour du pilote lors de son remplacement.
4. Disconnect the gas line to the appliance and disconnect the gas line from the valve to the main orifice. / Débrancher la conduite de gaz à l'appareil et débranchez la conduite de gaz de la vanne à l'orifice principal.
5. Remove the screws holding the valve bracket to the base of the unit and lift valve & valve bracket out. / Retirez les vis de fixation du support de la valve à la base de l'unité et de levée de soupape et support de la valve à.
6. Undo the pilot gas line at the gas valve. / Annuler la conduite de gaz pilote à la vanne de gaz.
7. Disconnect the thermostat or on/off switch wires from the valve (if applicable). / Débranchez le thermostat ou marche / arrêt fils de l'interrupteur de la vanne (si applicable).
8. Remove the gas line to the valve inlet and outlet. / Retirer la conduite de gaz à l'entrée de la vanne et la sortie.
9. Remove the screws which hold the valve to the valve bracket. / Retirez les vis qui maintiennent la vanne sur le support de la vanne.
10. Remove the screws fastening the pilot assembly to the pilot bracket and remove the pilot assembly. / Retirez les vis de fixation du assemblage de la veilleuse sur le support de pilote et retirer l'ensemble pilote.
11. Reassemble the components in reverse order. / Remonter les composants dans l'ordre inverse.

## 5.0 TROUBLE SHOOTING - INTERMITTENT PILOT

| SYMPTOM                                                                                             | POSSIBLE CAUSE                                                               | CORRECTIVE ACTION                                                                                                                       |
|-----------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------|
| <b>I. Pilot will not light after repeated triggering of the remote control – intermittent pilot</b> | <b>A. No spark at electrode (weak or not heat source for pilot ignition)</b> |                                                                                                                                         |
|                                                                                                     | 1. Improper ignition                                                         | 1. Align the electrode with 1/8" (3mm) gap to pilot hood                                                                                |
|                                                                                                     | 2. Poor connections at starter and ignition electrode                        | 2. Reconnect if loose                                                                                                                   |
|                                                                                                     | 1. Broken ceramic cover on ignition electrode                                | 3. Replace pilot assembly                                                                                                               |
|                                                                                                     | 2. Battery power low or dead                                                 | 4. Replace batteries                                                                                                                    |
|                                                                                                     | <b>B. No gas or low gas pressure</b>                                         |                                                                                                                                         |
|                                                                                                     | 5. Gas line shut off(s) may not be turned on                                 | 5. Turn on shut-off valves                                                                                                              |
|                                                                                                     | 1. Air in gas lines                                                          | 1. Purge gas lines                                                                                                                      |
|                                                                                                     | 2. Gas lines may not be connected                                            | 2. Connect all gas lines                                                                                                                |
|                                                                                                     | 3. Low pressure may be caused by bent line                                   | 3. Check for a kinked line                                                                                                              |
|                                                                                                     |                                                                              |                                                                                                                                         |
|                                                                                                     |                                                                              |                                                                                                                                         |
| <b>II. Pilot will not stay lit after following the lighting instructions</b>                        | <b>A. Thermocouple / Valve</b>                                               |                                                                                                                                         |
|                                                                                                     | 1. Weak or improperly located pilot flame                                    | 1. Adjust and clean pilot. The flame must impinge on or engulf the thermocouple, as shown in Figure 27.                                 |
|                                                                                                     | 2. Defective thermocouple                                                    | 2. Replace thermocouple                                                                                                                 |
|                                                                                                     | 3. Thermocouple not installed properly                                       | 3. Make sure all wire connections at the gas valve terminals are tight and the thermocouple is fully inserted into the mounting bracket |
|                                                                                                     | 4. Open wire connection in pilot circuit                                     | 4. Check wire continuity and connections in the pilot circuit                                                                           |
|                                                                                                     | 5. Defective Valve                                                           | 5. Check with your voltmeter.                                                                                                           |
|                                                                                                     | <b>B. Defective safety circuit</b>                                           |                                                                                                                                         |
|                                                                                                     | 1. Loose or defective connections                                            | 1. Check continuity, tighten wiring or connections, and repair                                                                          |
|                                                                                                     |                                                                              |                                                                                                                                         |
|                                                                                                     |                                                                              |                                                                                                                                         |
| <b>III. Main burner will not light</b>                                                              | <b>A. Valve / Switches</b>                                                   |                                                                                                                                         |
|                                                                                                     | 1. Valve control off                                                         | 1. Turn to "ON" position                                                                                                                |
|                                                                                                     | 2. Blockage at the burner (line, orifice, or ports)                          | 2. Check and clean                                                                                                                      |
|                                                                                                     | 3. Defective remote                                                          | 1. Conduct a continuity test or jumper wire test and replace if defective, check batteries                                              |

|                                                 |                                               |                                                                                   |
|-------------------------------------------------|-----------------------------------------------|-----------------------------------------------------------------------------------|
|                                                 | 4. Defective wiring or connections            | 2. Conduct a test with a jumper wire and repair as required                       |
|                                                 | 5. Defective Valve                            | 3. Contact service technician                                                     |
| <b>I. Soot deposits</b>                         | 1. Air inlet blocked or restricted            | 1. Clean air inlets                                                               |
|                                                 | 2. Vent system is restricted or inadequate    | 2. Confirm venting & termination are those which are approved with the appliance  |
|                                                 | 3. Logs are sooting up                        | 3. Check manual for correct log placement                                         |
| <b>V. Flame burns blue and lifts off burner</b> |                                               |                                                                                   |
|                                                 | 1. Insufficient combustion air being supplied | 1. Ensure that no foreign material blocks air inlets. Ensure the vent is adequate |
|                                                 | 2. Manifold pressure set too high             | 2. Check manifold pressure                                                        |
|                                                 | 3. Vent system restricted                     | 3. Check vent system                                                              |
| <b>VI. Main flame does not burn properly</b>    | 1. Incorrect vent or termination used.        | 1. Confirm venting & termination are those which are approved with the appliance  |
|                                                 |                                               |                                                                                   |
| <b>VII. Flames impinge on firebox top</b>       | 1. Vent system is restricted or inadequate    | 1. Correct flue as required                                                       |
|                                                 | 2. Manifold pressure too high                 | 2. Check manifold pressure as required                                            |

## **6.0 REPLACEMENT PARTS**

When requesting service or replacement parts for your unit, please provide model name and serial number. All parts listed below may be ordered from an authorized dealer.

| <b><u>Description</u></b> | <b><u>Part#</u></b> | <b><u>Certification</u></b> |
|---------------------------|---------------------|-----------------------------|
| Door                      | IMC581              | N/A                         |
| Burner                    | IMC514              | N/A                         |
| Fan                       | GL43X188            | CSA / UL                    |
| Door Glass                | IMC528              | ASTM C1048                  |
| Restrictor                | IMC524              | N/A                         |
| Door Glass Gasket         | 6AL                 | N/A                         |
| Orifice – Natural Gas     | MP0505-43           | N/A                         |
| Rock & Glass Kit          | RGKBL21             | N/A                         |

### **Intermittent Pilot & Remote Control Valve Parts**

| <b><u>Description</u></b>                 | <b><u>Part#</u></b> |            |
|-------------------------------------------|---------------------|------------|
| Pilot Assembly (Intermittent)             | NA292               | CSA / UL   |
| Valve (with step motor installed)         | AF-4044             | CSA C & US |
| Remote Step Motor for AF-4000 Valve       | AF-4000MOT          | CSA C & US |
| Supreme Control Module, incl.wire harness | VCS-MODS01TC        | CSA C & US |
| Plug-in Adapter ((7.5V A/C & 24" wires)   | AF-4000ADP24        | CSA C & US |
| Battery Back-up                           | AF-4000BBU          | CSA C & US |
| Extension Module for 120V operation       | AF-4000120MODS01    | CSA C & US |
| Supreme Handheld transmitter              | AF-4000HHS01        | CSA C & US |
| Orifice – Propane                         | MP0505-55           | N/A        |
| Orifice set screw #60                     | AF-60               | CSA C & US |
| Propane Conversion Kit                    | LPCKBL21            | CSA C & US |
| Natural Gas Conversion Kit                | NGCKBL21            | CSA C & US |

## **7.0 INCA METAL CUTTING'S WARRANTY PROTECTION FOR ALL INCA METAL CUTTING GAS FIREPLACE PRODUCTS**

Inca Metal Cutting's products are designed with superior components and materials, assembled by trained craftsmen who take great pride in their work. The burner and valve assembly are leak tested and test fired at a quality control test station. Once assembled the complete fireplace is thoroughly inspected by a qualified technician, before packaging, to ensure that you, the customer, receives the quality product that you expect from Inca Metal Cutting's.

### **INCA METAL CUTTING'S GAS FIREPLACE'S WARRANTY**

Your Inca Metal Cutting gas fireplace is guaranteed to be free of defects in materials and workmanship for a period of 5 years from the date of purchase. This covers: combustion chambers, heat exchangers and burners as well as stainless steel parts against tarnishing.

Electrical (110 volt and millivolt) components and wearable parts such as blowers, gas valves, thermal switches, switches, wiring, remote controls, igniters, gaskets, glass (thermal damage only) and pilot assemblies are covered for 1 year and Inca Metal Cutting will provide replacement parts free of charge during the first year of the limited warranty

### **CONDITIONS AND LIMITATIONS**

Inca Metal Cutting warrants its products against manufacturing defects to the original purchaser only – i.e. the individual or legal entity (registered customer) whose name appears on the original invoice – provided that the purchase was made through an authorized Inca Metal Cutting dealer and is subject to the following conditions and limitations:

This factory warranty is nontransferable and may not be extended whatsoever by any of our representatives.

A licensed, authorized service technician or contractor must have installed the gas fireplace. Installation must be done in accordance with the installation instructions included with the product and all local and national building and fire codes.

This limited warranty does not cover damages caused by misuse, lack of maintenance, accident, alterations, abuse or neglect. Parts installed from other manufacturers will nullify this warranty.

This limited warranty further does not cover any scratches, dents, corrosion or discoloring caused by excessive heat, abrasives, chemical cleaners nor any venting components used in the installation of the fireplace.

This warranty does not cover any problems caused to installation used venting or vent terminations which are not certified for use with this product.

Any installation, labor, construction, transportation or other related costs or expenses arising from defective part(s), repair or replacement or otherwise of same, will not be covered by this warranty nor shall Inca Metal Cutting assume responsibility for same. Further, Inca Metal Cutting will not be responsible for any incidental, indirect or consequent damages, except as provided by law, and in no event shall they exceed the original purchase price.

In the first year only, this warranty extends to the repair or replacement of warranted parts, which are defective in material or workmanship provided that the product has been operated in accordance with the operation instructions and under normal conditions.

After the first year, Inca Metal Cutting may, at its discretion, fully discharge all obligations with respect to this warranty by refunding to the original warranted purchaser the wholesale price of any warranted but defective parts.

## **CONDITIONS AND LIMITATIONS (continued)**

Notwithstanding any provisions contained in this warranty, Inca Metal Cutting's responsibility under this warranty is defined as above and it shall not in any event extend to any incidental, consequential or indirect damages.

This warranty defines the obligations and liability of Inca Metal Cutting with respect to the Inca Metal Cutting gas fireplace and any other warranties expressed or implied with respect to this product, its components or accessories are excluded.

Inca Metal Cutting neither assumes, nor authorizes any third party to assume, on its behalf, any other liabilities with respect to the sale of this product. Inca Metal Cutting will not be responsible for: over firing, downdrafts, spillage caused by environmental conditions such as rooftops, buildings, nearby trees, hills, mountains, inadequate vents, excessive venting configurations, insufficient make up air, or negative air pressures which may or may not be caused by mechanical systems such as exhaust fans, furnaces, clothes dryers, etc.

Any damages to fireplace, combustion chamber, trim or other component due to water, weather damage, long periods of dampness, condensation, damaging chemicals or cleaners will not be the responsibility of Inca Metal Cutting.

The bill of sale or copy will be required together with a serial number and a model number when making any warranty claims from your authorized dealer.

Inca Metal Cutting reserves the right to have its representative inspect any product or part thereof prior to honoring any warranty claim.

## **7.0 GARANTIE DE PROTECTION**

Produits Inca Metal Cutting sont conçus avec des composants et des matériaux de qualité supérieure, assemblés par des artisans qualifiés qui sont fiers de leur travail. Le brûleur et la valve sont des essais d'étanchéité et d'essai ont tiré sur un poste de contrôle de qualité. Une fois assemblé, chaque foyer est soigneusement inspecté par un technicien qualifié, avant l'emballage, afin de s'assurer que vous, le client recevez le produit de qualité que vous attendez d'Inca Metal Cutting.

### **FOYER AU GAZ DE COUPE METAL INCA'S GARANTIE**

Votre foyer au gaz Inca Metal de coupe est garanti d'être exempt de défauts de matériaux et de fabrication pour une période de 5 ans à compter de la date d'achat. Cette garantie couvre: chambres de combustion, échangeurs de chaleur et brûleurs ainsi que des pièces en acier inoxydable contre le ternissement.

Electrique (110 volts et millivolt) et les pièces d'usure comme les souffleuses, les vannes de gaz, capteurs thermiques, interrupteurs, câblages, télécommandes, allumeurs, les joints, le verre (dommage thermique seulement) et les assemblées pilotes sont couverts pendant 1 an et Inca Metal Cutting fournira de remplacement les pièces gratuitement durant la première année de la garantie limitée

Inca Metal Cutting garanti ses produits contre les défauts de fabrication à l'acheteur d'origine seulement - la personne physique ou morale (client inscrit) dont le nom figure sur la facture d'origine - à condition que l'achat a été effectué auprès d'un revendeur autorisé Inca Metal Cutting et est soumis à les conditions et limitations suivantes

Cette garantie du fabricant n'est pas transférable et ne peut être prolongé que ce soit par l'un de nos représentants.

Une licence, un technicien de service autorisé ou l'entrepreneur doit avoir installé le foyer à gaz. Installation

## **CONDITIONS ET LIMITES (SUITE)**

doit être faite en conformité avec les instructions d'installation incluses avec le produit et toutes les capacités locales et nationales et de prévention des incend

Cette garantie limitée ne couvre pas les dommages causés par une mauvaise utilisation, manque d'entretien, accident, des altérations, des abus ou de négligence. Installation de pièces provenant d'autres fabricants annulera cette garantie.

Cette garantie limitée ne couvre pas non plus les égratignures, les bosselures, la corrosion ou la décoloration causés par la chaleur excessive, les abrasifs, de nettoyants chimiques ou tout composant de ventilation utilisé dans l'installation de la cheminée.

Cette garantie ne couvre pas les problèmes causés à l'installation d'aération ou de ventilation utilisé licenciements qui ne sont pas homologués pour une utilisation avec ce produit.

Toute installation, le travail, la construction, le transport ou autres frais connexes ou frais découlant de la pièce défectueuse (s), la réparation ou le remplacement ou non de même, ne seront pas couverts par cette garantie ni Inca Metal Cutting assumer la responsabilité de même. En outre, Inca Metal Cutting ne sera pas responsable des dommages accessoires, indirects ou conséquents, sauf dans les cas prévus par la loi, et en aucun cas, ils dépassent le prix d'achat original.

Dans la première année seulement, cette garantie s'étend à la réparation ou le remplacement des pièces garanties, qui sont des défauts de matériaux ou de fabrication à condition que le produit ait été utilisé conformément aux instructions de fonctionnement et dans des conditions normales.

Après la première année, Inca de coupe en métal peut, à sa discrétion, se décharger de toutes obligations à l'égard de cette garantie en remboursant à l'acheteur d'origine le prix de gros de toute pièce garantie qui est défectueuse (s).

Nonobstant toutes dispositions contenues dans la présente garantie, Inca Metal Cutting responsabilité en vertu de cette garantie est définie comme ci-dessus et il ne doit en aucun cas s'étendre à des dommages indirects, accessoires ou indirects.

Cette garantie définit les obligations et la responsabilité de l'Inca Metal Cutting à l'égard de l'Inca Metal Cutting foyer au gaz et toute autre garantie expresse ou implicite à l'égard de ce produit, ses composants ou accessoires est exclue.

Inca Metal Cutting n'assume, ni n'autorise aucun tiers à assumer en son nom, toute autre responsabilité à l'égard de la vente de ce produit. Inca Metal Cutting ne sera pas responsable d'une surchauffe, des refoulements, des déversements causés par les conditions environnementales telles que des toits, des bâtiments, des arbres à proximité, des collines, des montagnes, des événements inadéquats, des configurations de ventilation excessive, l'insuffisance des pressions d'air d'appoint, ou négatives qui peuvent ou peut ne pas être causés par des systèmes mécaniques tels que les ventilateurs, fours, les sècheuses, etc

Les dommages à la cheminée, chambre de combustion, ou pièce d'habillage d'autres à cause de l'eau, causés par des intempéries, de longues périodes d'humidité, la condensation, des produits chimiques ou de nettoyants dommageables ne sera pas la responsabilité de l'Inca Metal Cutting.

L'acte de vente ou sa copie sera requise ainsi que le numéro de série et un numéro de modèle lors de toute réclamation auprès de votre revendeur agréé.

Inca Metal Cutting se réserve le droit d'avoir son représentant d'inspecter tout produit ou pièce avant d'honorer toute réclamation.

## 8.0 LABEL INFORMATION

|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | <b>Direct Vented Gas Fireplace Heater</b><br><b>Inca Metal Cutting</b>                                                                                  | <b>Inca Metal Cutting</b><br>103—11091 Bridgeport Road<br>Richmond, BC V6X 1T3      |                                                                                                                                                                                                                                                                                                                                                                                                                               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display: inline-block; width: 150px; height: 1.2em; vertical-align: middle;"></span>                   |  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                                                                                                                  |                                                    |                                     |                                                                          |                                              |                                                   |                        |                        |                                                                       |  |  |                               |                        |                        |                                     |  |  |                                   |            |             |                                        |  |  |                                              |            |            |                                                        |  |  |                                        |            |            |                                             |  |  |
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                                                                                                                                                                                                                                                                                                                                                                                                                                          | This Fireplace is factory equipped for 0-1372m (0-4500ft)<br>Cette chaufferie est équipée en usine pour une élévation de 0 à 1372m (0-4500 pi)          |                                                                                     |                                                                                                                                                                                                                                                                                                                                              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display: inline-block; width: 100px; height: 1.2em; vertical-align: middle;"></span><br><b>BL21 / PEAK</b> |                                                                                     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                                                                                                                  |                                                    |                                     |                                                                          |                                              |                                                   |                        |                        |                                                                       |  |  |                               |                        |                        |                                     |  |  |                                   |            |             |                                        |  |  |                                              |            |            |                                                        |  |  |                                        |            |            |                                             |  |  |
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| Tested to ANSI Z21.88-2019 / CSA 2.33-2019, Vented Gas Fireplace Heater and CSA 2.17-2017, Gas Fired Appliances for use at High Altitudes. CAN/CSA - P.4.1 2015 Testing Method for Measuring Annual Fireplace Efficiency<br>Testé pour la norme ANSI Z21.88-2019 / CSA 2.33-2019, ventilé Cheminée Radiateur à gaz et CSA 2.17-2017, les appareils de chauffage à gaz destinés à des altitudes élevées. CAN / CSA - P.4.1 2015 Méthode d'essai pour mesurer l'efficacité annuelle du foyer                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       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| <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 60%;">MODEL: BL21 / PEAK<br/>P4 certified at 55.6 % for NG</th> <th style="width: 20%;">NATURAL GAS<br/>Gaz naturel</th> <th style="width: 20%;">PROPANE<br/>LP</th> </tr> </thead> <tbody> <tr> <td>Orifice (DMS) 0-1372m / 0-4500 ft</td> <td style="text-align: center;">#43 DMS</td> <td style="text-align: center;">#55 DMS</td> </tr> <tr> <td>Input rating (BTU/hr / Kw) 0-1372m 0-4500 ft Alt.</td> <td style="text-align: center;">21,000 BTU/hr (6.15kw)</td> <td style="text-align: center;">20,750 BTU/hr (6.06kw)</td> </tr> <tr> <td>Evaluation de la consommation (BTU/hr / Kw) 0-1372m 0-4500 d'altitude</td> <td></td> <td></td> </tr> <tr> <td>Minimum Input (BTU/hr / Kw) /</td> <td style="text-align: center;">13,000 BTU/hr (3.81kw)</td> <td style="text-align: center;">13,000 Btu/hr (3.81kw)</td> </tr> <tr> <td>Consommation minimale (BTU/hr / Kw)</td> <td></td> <td></td> </tr> <tr> <td>Manifold Pressure (in w.c. / kPa)</td> <td style="text-align: center;">3.5 / 0.87</td> <td style="text-align: center;">10.0 / 2.49</td> </tr> <tr> <td>Collecteur de pression (in w.c. / kPa)</td> <td></td> <td></td> </tr> <tr> <td>Manifold Pressure Lo setting (in w.c. / kPa)</td> <td style="text-align: center;">1.7 / 0.42</td> <td style="text-align: center;">6.4 / 1.59</td> </tr> <tr> <td>Collecteur de pression à bas rendement (in w.c. / kPa)</td> <td></td> <td></td> </tr> <tr> <td>Minimum Inlet Pressure (in w.c. / kPa)</td> <td style="text-align: center;">5.0 / 1.24</td> <td style="text-align: center;">7.0 / 1.74</td> </tr> <tr> <td>Entrée de pression minimale (in w.c. / kPa)</td> <td></td> <td></td> </tr> </tbody> </table>                                                                                                                                                                                                                                                                                     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Orifice (DMS) 0-1372m / 0-4500 ft   | #43 DMS                                                                  | #55 DMS                                      | Input rating (BTU/hr / Kw) 0-1372m 0-4500 ft Alt. | 21,000 BTU/hr (6.15kw) | 20,750 BTU/hr (6.06kw) | Evaluation de la consommation (BTU/hr / Kw) 0-1372m 0-4500 d'altitude |  |  | Minimum Input (BTU/hr / Kw) / | 13,000 BTU/hr (3.81kw) | 13,000 Btu/hr (3.81kw) | Consommation minimale (BTU/hr / Kw) |  |  | Manifold Pressure (in w.c. / kPa) | 3.5 / 0.87 | 10.0 / 2.49 | Collecteur de pression (in w.c. / kPa) |  |  | Manifold Pressure Lo setting (in w.c. / kPa) | 1.7 / 0.42 | 6.4 / 1.59 | Collecteur de pression à bas rendement (in w.c. / kPa) |  |  | Minimum Inlet Pressure (in w.c. / kPa) | 5.0 / 1.24 | 7.0 / 1.74 | Entrée de pression minimale (in w.c. / kPa) |  |  |
| MODEL: BL21 / PEAK<br>P4 certified at 55.6 % for NG                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    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| Orifice (DMS) 0-1372m / 0-4500 ft                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      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| Input rating (BTU/hr / Kw) 0-1372m 0-4500 ft Alt.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      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| Evaluation de la consommation (BTU/hr / Kw) 0-1372m 0-4500 d'altitude                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  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| Minimum Input (BTU/hr / Kw) /                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          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| Consommation minimale (BTU/hr / Kw)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    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| Manifold Pressure (in w.c. / kPa)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      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| Collecteur de pression (in w.c. / kPa)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 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| Manifold Pressure Lo setting (in w.c. / kPa)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           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| Collecteur de pression à bas rendement (in w.c. / kPa)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 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| Minimum Inlet Pressure (in w.c. / kPa)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 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| Entrée de pression minimale (in w.c. / kPa)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            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| This appliance must be installed in accordance with local codes if any. If none, follow the National Fuel Gas Code, ANSI Z223.1/NFPA 54 or Natural Gas and Propane Installation Codes, CSA B149.1                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                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| <p><b>MINIMUM CLEARANCES TO COMBUSTIBLES :</b> For more details, see instruction Manual.</p> <p><b>NOTE: ALL CLEARANCES ARE DETERMINED WHEN FACING THE FRONT OF THE UNIT</b></p> <table style="width: 100%;"> <tr> <td style="width: 50%;">1) Unit Trim to Sideswall 6" (152 mm)</td> <td style="width: 50%;">4) Unit sides 2" (51 mm) standoffs</td> </tr> <tr> <td>2) 12" (305 mm) Mantle at 40" (1016 mm) from floor</td> <td>5) Unit back 1.5" (38 mm) standoffs</td> </tr> <tr> <td>3) 2x4 Framing (on edge) 33.5" (851 mm) from floor to lower edge of stud</td> <td>6) Internal Ceiling 48" (1219 mm) from floor</td> </tr> </table>                                                                                                                                                                                                                                                                                                                                                                                            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Unit back 1.5" (38 mm) standoffs | 3) 2x4 Framing (on edge) 33.5" (851 mm) from floor to lower edge of stud | 6) Internal Ceiling 48" (1219 mm) from floor |                                                   |                        |                        |                                                                       |  |  |                               |                        |                        |                                     |  |  |                                   |            |             |                                        |  |  |                                              |            |            |                                                        |  |  |                                        |            |            |                                             |  |  |
| 1) Unit Trim to Sideswall 6" (152 mm)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  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| 2) 12" (305 mm) Mantle at 40" (1016 mm) from floor                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     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| 3) 2x4 Framing (on edge) 33.5" (851 mm) from floor to lower edge of stud                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | 6) Internal Ceiling 48" (1219 mm) from floor                                                                                                            |                                                                                     |                                                                                                                                                                                                                                                                                                                                              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| <p><b>Electrical Rating:</b> 115 Volts, less than 12 Amps, 60 Hz</p> <p><b>DANGER:</b> Risk of electrical shock. Disconnect power before servicing unit. Do not route power cord beneath heater.</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              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| <table style="width: 100%;"> <tr> <td style="width: 50%; vertical-align: top;"> <p><b>FOR USE WITH GLASS DOORS CERTIFIED WITH THE APPLIANCE ONLY.</b></p> <p><b>VENTED GAS FIREPLACE HEATER - NOT FOR USE WITH SOLID FUEL.</b></p> <p><b>CAUTION:</b> Hot while in operation. Do not touch. Severe burns may result. Keep children, clothing, furniture, gasoline and other liquids having flammable vapors away. <b>ATTENTION:</b> Chaud pendant le fonctionnement. Ne pas toucher. Des brûlures graves peuvent en résulter. Tenir les enfants, vêtements, meubles, essence et autres liquides ayant vapeurs inflammables loin.</p> <p><b>CAUTION:</b> Do not operate the appliance with glass removed, cracked or broken. Replacement of the glass panel should be done by a licensed or qualified service person. <b>ATTENTION:</b> Ne pas faire fonctionner l'appareil avec vitre est craquée ou brisée. 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Pour de l'aide ou des renseignements supplémentaires, consultez un installateur qualifié, une agence de service ou le fournisseur de gaz. Le brûleur et le contrôle propres. Voir les instructions d'installation et d'exploitation d'accompagnement appareil. Cet appareil doit être correctement relié à un système de ventilation en conformité avec l'installation du fabricant instructions. Il s'agit d'un appareil à évent direct.</p> <p>For use with listed aluminum 2-ply venting. For venting configuration please see manufacturers manual and check with local building codes. If the vent-air intake system is ever disassembled, ensure it is properly resealed and reinstalled as shown in the owner's manual. Safety cage shall be installed according to local building codes. Pour une utilisation avec la liste aluminium 2 couches de ventilation. Pour la configuration de ventilation s'il vous plaît voir les fabricants manuel et vérifier avec les codes du bâtiment locaux. Si le système d'air de ventilation est jamais démonté, s'assurer qu'il est parfaitement refermé et réinstallé comme indiqué dans le manuel du propriétaire. Cage de sécurité doit être installé conformément aux codes de construction locaux.</p> <p><b>For use only with safety screen barrier Part # BL21-SC. Follow installation instructions. A utiliser uniquement avec barrière de l'écran de sécurité fournies par le fabricant. 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| Suitable for installation in a bedroom or a bed sitting room                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           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| <table style="width: 100%;"> <tr> <td style="width: 60%;"> <b>CONVERSION KIT:</b> <input type="checkbox"/> Natural Gas / Gaz Naturel<br/>         Kit # NGCKBL21       </td> <td style="width: 40%;"> <input type="checkbox"/> Propane (LP)<br/>         Kit # LPCKBL21       </td> </tr> </table>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                                                                                                                                                         |                                                                                     | <b>CONVERSION KIT:</b> <input type="checkbox"/> Natural Gas / Gaz Naturel<br>Kit # 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LPCKBL21                                                          |                                                    |                                     |                                                                          |                                              |                                                   |                        |                        |                                                                       |  |  |                               |                        |                        |                                     |  |  |                                   |            |             |                                        |  |  |                                              |            |            |                                                        |  |  |                                        |            |            |                                             |  |  |
| <b>CONVERSION KIT:</b> <input type="checkbox"/> Natural Gas / Gaz Naturel<br>Kit # NGCKBL21                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | <input type="checkbox"/> Propane (LP)<br>Kit # 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| <p><b>DATE:</b> _____ <b>BY/PAR:</b> _____</p> <p>This appliance was converted to _____ gas with the above marked kit # by the Qualified Service Agency which accepts responsibility that this conversion has been properly made. / Cet appareil a été converti au gaz _____ avec le kit ci-dessus marqué # par l'Agence de service qualifié qui accepte la responsabilité</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         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## 8.0 LABEL INFORMATION (continued)

Sections of the venting system have not been installed. **WARNING** – Do not operate the appliance until all sections have been assembled and installed in accordance with the manufacturer's instructions.

Des sections du système d'évacuation n'ont pas été installées. **AVERTISSEMENT** - Ne pas utiliser l'appareil tant que toutes les sections n'ont pas été assemblées et installées selon les instructions du fabricant

### WARNING

#### Electrical Grounding Instructions

This appliance is equipped with a three prong (grounding) plug for your protection against shock hazard and should be plugged directly into a properly grounded three prong receptacle. Do not cut or remove the grounding prong from this plug.

### AVERTISSEMENT

#### Instructions à la terre électrique

Cet appareil est équipé d'un à trois broches (terre) pour votre protection contre les risques de choc électrique et doit être branché directement dans une prise à trois broches réceptacle. Ne pas couper ou retirer la broche de terre de cette fiche.

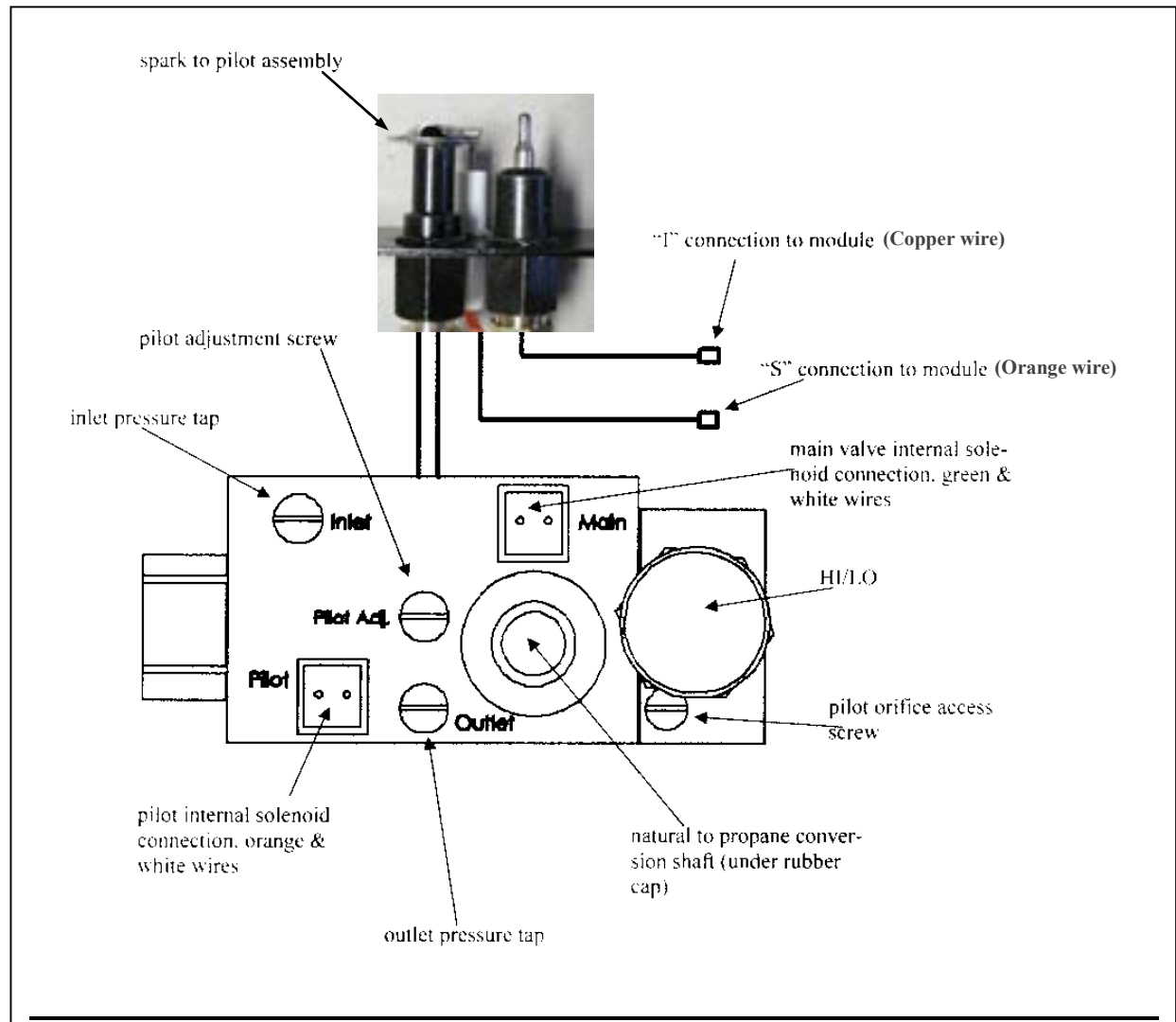
**WARNING:** Fire or explosion hazard. Can cause property damage, severe injury or death.

This is a fast acting thermocouple. Replace it only with another fast-acting thermocouple specified by the appliance manufacturer. Refer to manual for the replacement part number.

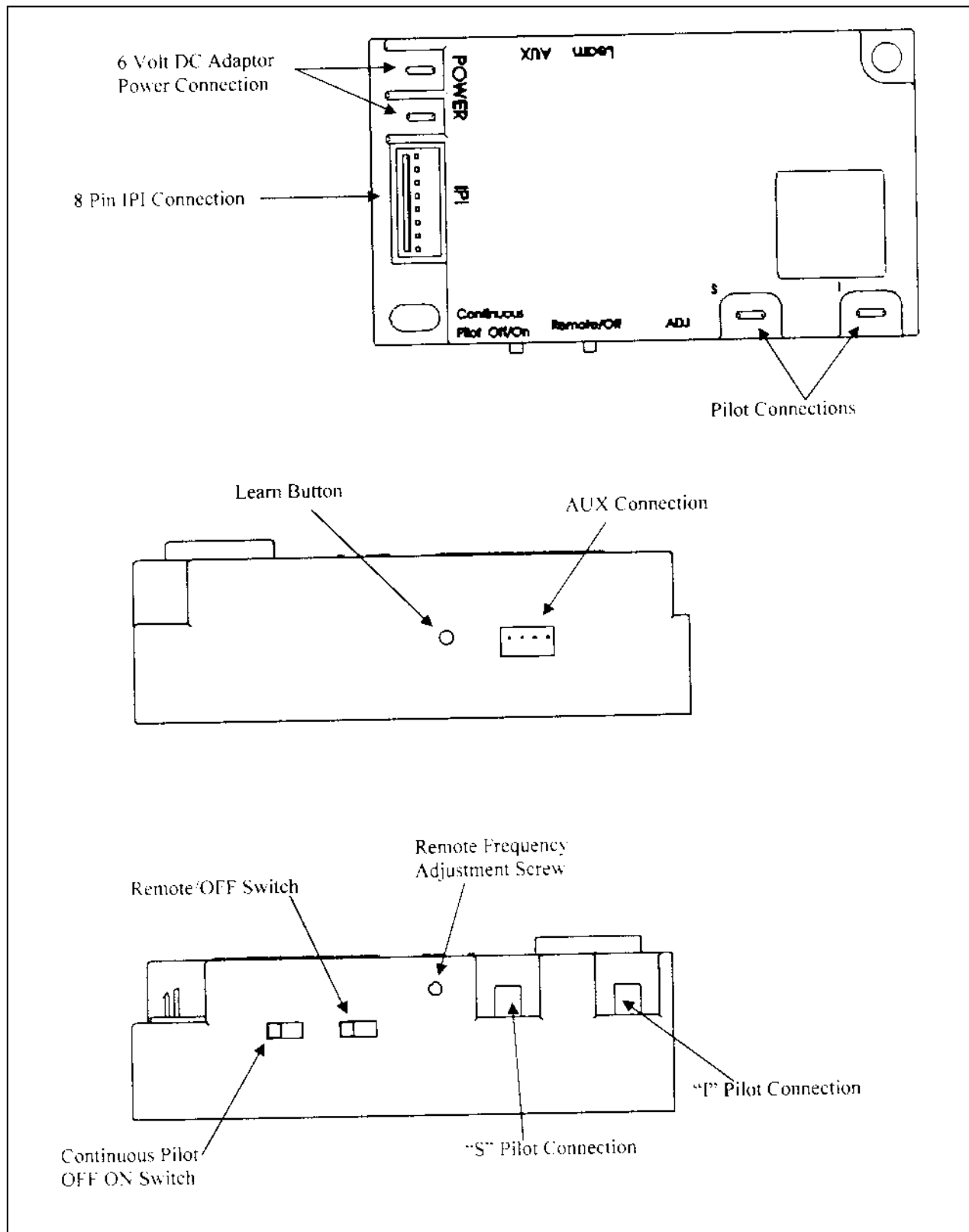
**AVERTISSEMENT :** Risque d'incendie ou d'explosion. Peut entraîner des dommages matériels, des blessures graves ou la mort. Ceci est un thermocouple rapide. Peut être remplacé uniquement par un autre thermocouple rapide spécifié par le fabricant de l'appareil. Veuillez consulter à la notice pour le numéro de pièce.



## APPENDIX A (AMERICAN FLAME VALVE INFORMATION)



## APPENDIX A (Continued)



## **APPENDIX A (Continued)**

### **Special Features on the AF-4000 System**

The AF-4000 Module can be powered two different ways. The first is a standard 110 volt AC to 6.0 volt DC adaptor. This adapter is connected to the AF-4000 Module by connecting the two 1/4" female terminals from the adapter to the two 1/4" male terminals, located on the AF-4000 Module, marked POWER. The second method of powering the appliance is by using the AF-4000 BP battery pack.

The appliance will not have back up power, during power outages, if only the 6.0 volt adapter is used however a battery back up package, AF-4000BBU, is available to be used in this situation.

The AF-4000 module has 2 special features built into the system.

**Please check with local City codes regarding the use of the following feature.**

1. Continuous Pilot Feature - This feature allows the user to change from a spark to pilot system to a standing pilot system, for direct vent appliances during cold climate, to keep the firebox warm.

- a) There is a switch located on the side of the AF-4000 module that reads "Continuous Pilot ON/OFF", this switch will allow the user to select the pilot mode of operation.
- b) When the Continuous Pilot switch is in the OFF position and the appliance ON/OFF switch is turned to ON the pilot will spark and light. When the appliance ON/OFF switch is turned OFF the pilot will shut off when the main burner shuts off.
- c) When the Continuous Pilot switch is in the ON position and the appliance ON/OFF switch is turned on the pilot will spark and light. When the appliance ON/OFF switch is turned to OFF the pilot will stay ON when the main burner shuts off. This setting is generally used in cold climates to keep the firebox warm.
- d) The Continuous Pilot mode can also be activated by an optional hand held remote control.

2. Remote Control Feature - The AF-4000 module has a built in remote control receiver. This allows the user to program a hand held remote transmitter, wireless wall mount thermostat or wireless wall mount switch to the appliance at any time during or after the installation of the appliance.

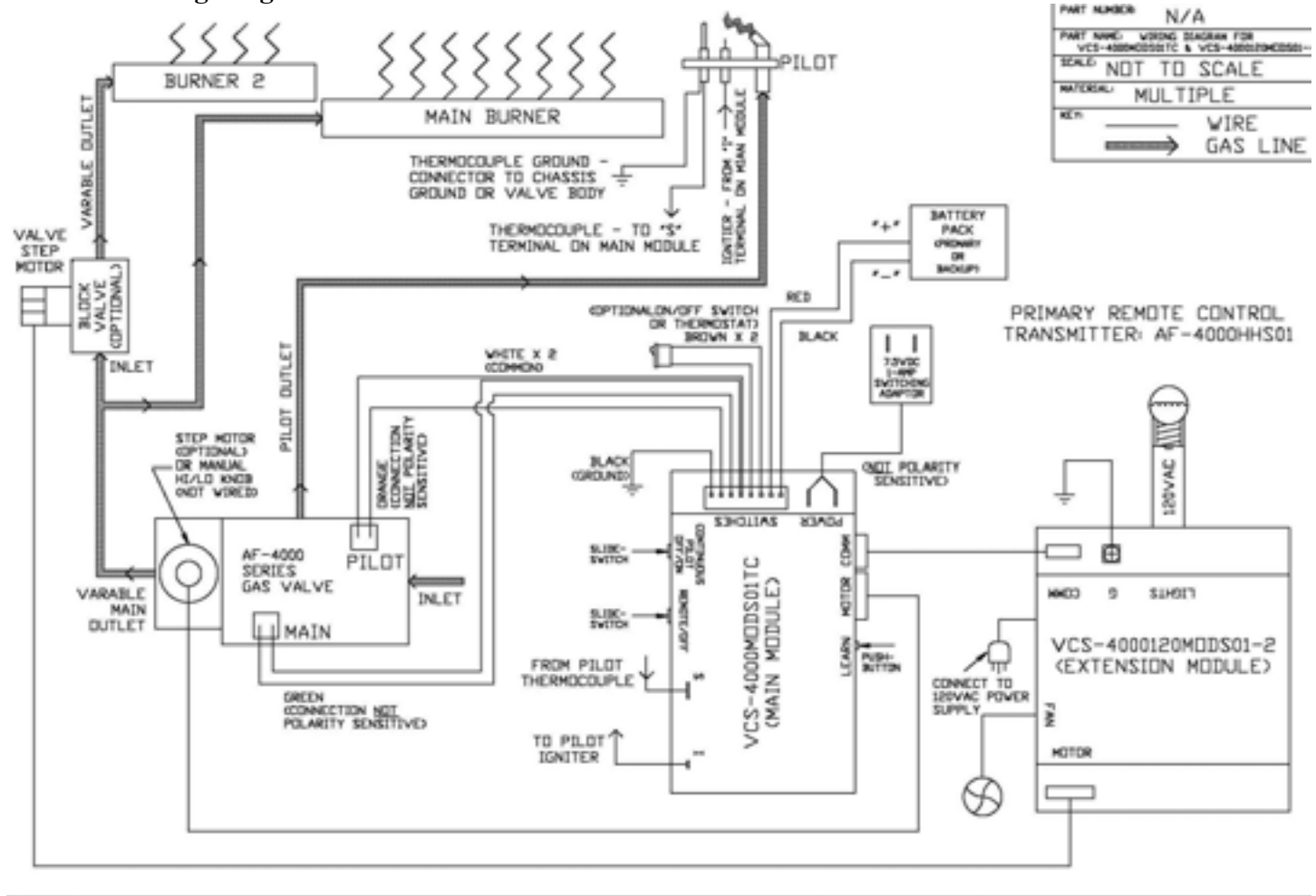
- a) There is a switch located on the side of the AF-4000 module that reads REMOTE/OFF.
- b) When the Remote/Off switch is in the OFF position the appliance will operate from an appliance mounted rocker switch or wall switch connected to the (2) brown wires on the AF-4000 module.
- c) When the Remote/Off switch is in the REMOTE position the appliance will operate from the Remote Control transmitter, wireless wall mounted thermostat or wireless wall mounted switch.

**NOTE:** The AF-4000 module must be programmed to the Remote Control transmitter, wireless wall mounted thermostat or wireless wall mounted switch.

- a) To program the AF-4000 locate the LEARN button on the AF-4000 module. Press and release the LEARN button, the AF-4000 module will beep then press any key on the Remote Control. Once the AF-4000 internal receiver accepts the transmitter code there will be a series of confirming beeps.
- b) The Remote system is now ready for use.

## APPENDIX A (Continued)

### AF-4000 Wiring Diagram



## APPENDIX B (NG – LP CONVERSION KITS)

This kit will convert the fireplace to Natural Gas / Propane (as applicable). / Ce kit vous permet de convertir la cheminée au gaz naturel / propane (le cas échéant).

The Elite models are designed to burn either natural gas or propane. Each unit leaves the factory equipped for one specific fuel but it is simple to field convert the unit to an alternate fuel. The original type of fuel is marked on the ratings label of the manual. / Les modèles Elite sont conçus pour brûler du gaz naturel ou au propane. Chaque unité quitte l'usine équipée pour un combustible spécifique, mais il est simple de convertir aligner l'appareil à un carburant de remplacement. Le type d'origine de carburant est marqué sur l'étiquette signalétique du manuel.

## WARNING AVERTISSEMENT

**THIS CONVERSION KIT SHALL BE INSTALLED BY A QUALIFIED SERVICE AGENCY IN ACCORDANCE WITH THE MANUFACTURER'S INSTRUCTIONS AND ALL APPLICABLE CODES AND REQUIREMENTS OF THE AUTHORITY HAVING JURISDICTION. IF THE INFORMATION IN THESE INSTRUCTIONS IS NOT FOLLOWED EXACTLY, A FIRE, EXPLOSION OR PRODUCTION OF CARBON MONOXIDE MAY RESULT CAUSING PROPERTY DAMAGE, PERSONAL INJURY OR LOSS OF LIFE. THE QUALIFIED SERVICE AGENCY IS RESPONSIBLE FOR THE PROPER INSTALLATION OF THIS KIT. THE INSTALLATION IS NOT PROPER AND COMPLETE UNTIL THE OPERATION OF THE CONVERTED FIREPLACES IS CHECKED AS SPECIFIED IN THE MANUFACTURER'S INSTRUCTIONS SUPPLIED WITH THE KIT.**

**Ce kit de conversion doit être installé par un technicien qualifié CONFORMEMENT AUX INSTRUCTIONS DU FABRICANT et tous les codes et exigences de la l'autorité compétente.**

**Si l'information dans ces instructions n'est pas suivie exactement, UN INCENDIE, EXPLOSION OU PRODUCTION DE MONOXYDE DE CARBONE PEUT causer des dommages matériels, DES BLESSURES OU PERTES DE VIE. L'Agence des services qualifié est responsable de la bonne installation de ce kit. L'INSTALLATION N'EST PAS BON ET COMPLET jusqu'à l'opération des cheminées converti soit vérifié selon les instructions de du fabricant fournies avec le kit.**

### Conversion Kit Contents / Contenu du kit de conversion

This conversion kit contains the following parts: Ce kit de conversion contient les éléments suivants:

- |                                            |                                        |
|--------------------------------------------|----------------------------------------|
| 1) Pilot orifice / orifice de la veilleuse | 2) Burner orifice / orifice du brûleur |
| 3) Propane or Natural Gas label plate      |                                        |

The proper steps for converting the appliance are as follows: / Les mesures adéquates pour convertir l'appareil sont les suivantes:

1) **CAUTION:** The gas supply shall be shut off prior to disconnecting the electrical power, before proceeding with the conversion. / **ATTENTION :** l'alimentation en gaz doit être coupée avant de débrancher l'alimentation électrique, avant de procéder à la conversion.

2) Remove the door, rock & glass kit, tray and burner. / Retirez les portes, céramique ou rock & kit de verre, plateau journal et le brûleur.

3) Change the burner & pilot orifices with the orifice supplied by the manufacturer for propane or natural gas / Changer le brûleur et les orifices pilotes avec l'orifice fourni par le fabricant pour le propane ou le gaz naturel

4) Convert the gas valve by turning to either Nat or LP (see diagram next page). / Convertir le robinet de gaz en tournant soit Nat ou LP (voir schéma page suivante).

5) Adjust air shutter [NG 1/8" (3.175mm) LP Fully Open (see section 3.3.9) / Réglez l'obturateur d'air [NG 1/8" (3.175mm) LP ouvrir complètement (voir la section 3.3.9)

6) Replace burner, tray, rock and glass kit and door. / Remplacez le brûleur, le plateau du journal, céramique ou un kit de roche et de verre et de la porte.

7) Leak test the appliance, with a soapy water solution, prior to placing the unit into operation. / Fuite de tester l'appareil, avec une solution d'eau savonneuse, avant de placer l'appareil en marche.

8). Apply BL21-LP label plate over existing natural gas label plate and notify Savannah Heating of the serial numbers of both plates. (Original plate and replacement plate) / Appliquer plaque d'étiquette

BL21-LP-dessus de la plaque d'étiquettes existante de gaz naturel et de notifier savane chauffage des numéros de série des deux plaques. (Plaque originale et la plaque de remplacement)

9) Light appliance. See the Lighting Instructions, section 2.0 OPERATION, of the manual to verify normal operating sequence of the ignition system. / Appareil léger. Voir les instructions d'allumage, la section 2.0 FONCTIONNEMENT, du manuel afin de vérifier la séquence de fonctionnement normal du système d'allumage.

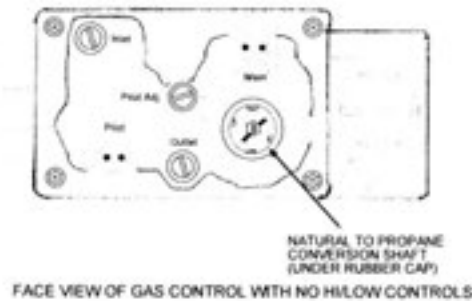
All valves have been pre-set and certified for installation at elevations from 0 – 4500 feet (0 – 1372 m) above sea level. / Toutes les vannes ont été pré-réglé et certifié pour l'installation à des altitudes allant de 0 - 4500 pieds (0 à 1372 m) au-dessus du niveau des mers.

## Converting the AF-4000 Natural to Propane

The AF-4000 electronic control valve is convertible from natural gas to propane gas by a Simple Rotary knob located on the front (Face) of the valve.

1. Remove the Black cap by pulling the cap straight off. Note: the position of the marker on the shaft of the Simple Rotary knob. This mark will point to NAT or LP that indicates the type of gas the valve is set on.
2. To convert the AF-4000 from the factory setting (NAT) push in the Simple Rotary knob and rotate 90°. Note: the marker will now point to LP and the shaft will stay in.
3. To convert the AF-4000 back to the factory setting (NAT) push in the Simple Rotary knob and rotate 90°. Note: the marker will now point to NAT and the shaft will stay out.
4. After the conversion has been made check the out let pressure with a manometer. The factory setting on the internal regulator is 3.50"wc natural and 10 "wc propane.
5. Replace the Black cover cap.

**Use extreme caution when changing this Simple Rotary knob**



## CONVERSION INSTALLATION / INSTALLATION DE CONVERSION

ORIGINAL SERIAL PLATE # \_\_\_\_\_ REPLACEMENT SERIAL PLATE # \_\_\_\_\_

This appliance was converted on **DATE** : \_\_\_\_\_ from **NG / LP** to **LP / NG**

**BY** \_\_\_\_\_

with the conversion kit NGCKBL21 or LPCKBL21 by the above named qualified service agency/technician which accepts the responsibility that the conversion has been completed properly as per instructions in this manual.

Cet appareil a été converti sur **DATE**: \_\_\_\_\_ partir de **NG / LP** pour **LP / NG**

**PAR** \_\_\_\_\_

avec le kit de conversion NGCKBL21 ou LPCKBL21 par le agency de service qualifié ci-dessus nommé / technicien qui accepte la responsabilité que la conversion a été dûment remplie selon les instructions contenues dans ce manuel.