

# INSTALLATION AND OPERATION INSTRUCTIONS

CERTIFIED UNDER CANADIAN AND AMERICAN NATIONAL STANDARDS: CSA 2.33, ANSI Z21.88 FOR VENTED GAS FIREPLACE HEATERS.

# THE MADISON<sup>TM</sup>

GD80NT NATURAL GAS

GD80PT PROPANE

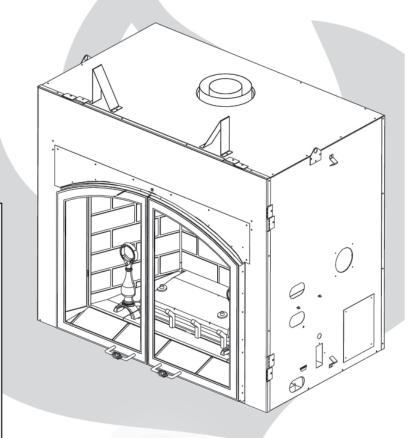
CERTIFIED FOR CANADA AND UNITED STATES USING ANSI/CSA METHODS.

#### SAFETY INFORMATION

# **▲** WARNING

If the information in these instructions are not followed exactly, a fire or explosion may result causing property damage, personal injury or loss of life.

- Do not store or use gasoline or other flammable vapors and liquids in the vicinity of this or any other appliance.
- WHAT TO DO IF YOU SMELL GAS:
  - Do not try to light any appliance
  - Do not touch any electrical switch; do not use any phone in your building.
  - Immediately call your gas supplier from a neighbor's phone. Follow the gas supplier's instructions.
  - If you cannot reach your gas supplier, call the fire department.
- Installation and service must be performed by a qualified installer, service agency or the supplier.













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# **WARNING**

- Do not burn wood or other materials in this fireplace.
- Adults and especially children should be alerted to the hazards of high surface temperatures and should stay away to avoid burns or clothing ignition. Supervise young children when they are in the same room as the fireplace.
- Clothing or other flammable material should not be placed on or near the fireplace.
- Due to high temperatures, the fireplace should be located out of traffic and away from furniture and draperies.
- Ensure you have incorporated adequate safety measure to protect infants/toddlers from touching hot surfaces.
- Even after the fireplace is out, the glass and/or screen will remain hot for an extended period of time.
- Check with your local hearth specialty dealer for safety screens and hearth guards to protect children from hot surfaces. These screens and guards must be fastened to the floor.
- · Any safety screen or guard removed for servicing must be replaced prior to operating the fireplace.
- It is imperative that the control compartments, burners and circulating blower and its passageway in the fireplace and venting system are kept clean. The fireplace and its venting system should be inspected before use and at least annually by a qualified service person. More frequent cleaning may be required due to excessive lint from carpeting, bedding material, etc. The fireplace area must be kept clear and free from combustible materials, gasoline and other flammable vapours and liquids.
- Under no circumstances should this fireplace be modified.
- This fireplace must not be connected to a chimney flue pipe serving a separate solid fuel burning appliance.
- Do not use this fireplace if any part has been under water. Immediately call a qualified service technician to inspect the fireplace and to replace any part of the control system and any gas control which has been under water.
- Do not operate the fireplace with the glass door removed, cracked or broken. Replacement of the glass should be done by a licensed or qualified service person.
- Do not strike or slam shut the fireplace glass door.
- This fireplace uses and requires a fast acting thermocouple. Replace only with a fast acting thermocouple supplied by Wolf Steel Ltd.
- Pressure relief doors must be kept closed while the fireplace is operating to prevent exhaust fumes containing carbon monoxide, from entering into the home. Temperatures of the exhaust escaping through these openings can also cause the surrounding combustible materials to overheat and catch fire.
- Only doors / optional fronts certified with the unit are to be installed on the appliance.

NAPOLEON® products are manufactured under the strict Standard of the world recognized ISO 9001: 2000 Quality Assurance Certificate.

NAPOLEON® 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 and test-fired at a quality test station. 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 NAPOLEON®.

# NAPOLEON® GAS FIREPLACE PRESIDENT'S LIFETIME LIMITED WARRANTY

The following materials and workmanship in your new NAPOLEON® gas fireplace are warranted against defects for as long as you own the fireplace. This covers: combustion chamber, heat exchanger, stainless steel burner, PHAZER<sup>TM</sup> logs and embers, ceramic glass (thermal breakage only), gold plated parts against tarnishing, porcelainized enamelled components and aluminum extrusion trims.

Electrical (110V and millivolt) components and wearable parts such as the blower, gas valve, thermal switch, switches, wiring, remote control, ignitor, gasketing, and pilot assembly are covered and NAPOLEON® will provide replacement parts free of charge during the first year of the limited warranty. Light bulbs are not covered by this warranty.

Labour related to warranty repair is covered free of charge during the first year. Repair work, however, requires the prior approval of an authorized company official. Labour costs to the account of NAPOLEON® are based on a predetermined rate schedule and any repair work must be done through an authorized NAPOLEON® dealer.

#### **CONDITIONS AND LIMITATIONS**

NAPOLEON® 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 warranty registration card filed with NAPOLEON® -- provided that the purchase was made through an authorized NAPOLEON® 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.

The gas fireplace must be installed by a licensed, authorized service technician or contractor. 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 and 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, abrasive and chemical cleaners nor chipping on porcelain enamel parts, mechanical breakage of PHAZER™ logs and embers, nor any venting components used in the installation of the fireplace.

NAPOLEON® warrants its stainless steel burners against defects in workmanship and material for life, subject to the following conditions: During the first 10 years NAPOLEON® will replace or repair the defective parts at our option free of charge. From 10 years to life, NAPOLEON® will provide replacement burners at 50% of the current retail 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, with respect to this President's Limited Lifetime Warranty, NAPOLEON® 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 part(s).

After the first year, NAPOLEON® will not be responsible for installation, labour or any other costs or expenses related to the reinstallation of a warranted part, and such expenses are not covered by this warranty.

Notwithstanding any provisions contained in this President's Limited Lifetime Warranty, NAPOLEON'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 NAPOLEON® with respect to the NAPOLEON® gas fireplace and any other warranties expressed or implied with respect to this product, its components or accessories are excluded.

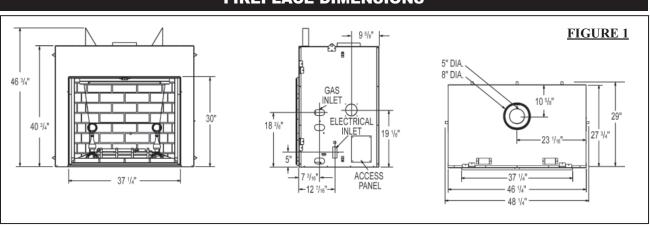
NAPOLEON® neither assumes, nor authorizes any third party to assume, on its behalf, any other liabilities with respect to the sale of this product. NA-POLEON® will not be responsible for: over-firing, downdrafts, spillage caused by environmental conditions such as rooftops, buildings, nearby trees, hills, mountains, inadequate vents or ventilation, excessive venting configurations, insufficient makeup 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, heat exchanger, brass trim or other component due to water, weather damage, long periods of dampness, condensation, damaging chemicals or cleaners will not be the responsibility of NAPOLEON®.

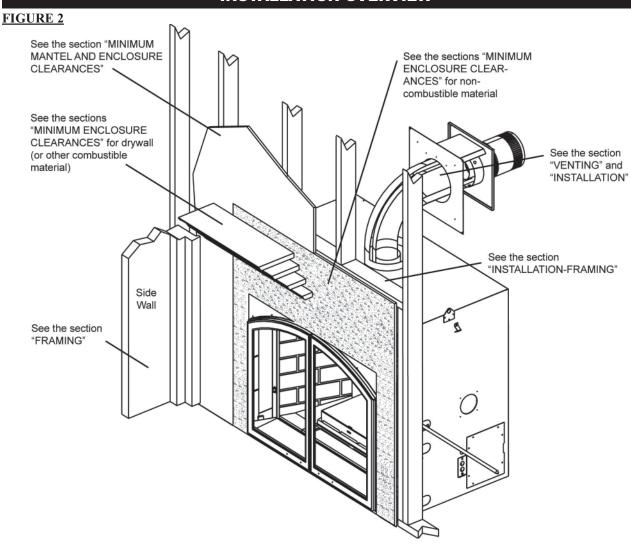
The bill of sale or copy will be required together with a serial number and a model number when making any warranty claims from your authorized dealer. The warranty registration card must be returned within fourteen days to register the warranty.

NAPOLEON® reserves the right to have its representative inspect any product or part thereof prior to honouring any warranty claim.

# FIREPLACE DIMENSIONS



#### **INSTALLATION OVERVIEW**



#### **GENERAL INSTRUCTIONS**

THIS GAS FIREPLACE SHOULD BE INSTALLED AND SERVICED BY A QUALIFIED INSTALLER to conform with local codes. Installation practices vary from region to region and it is important to know the specifics that apply to your area, For example: in Massachusetts State:

- · The fireplace damper must be removed or welded in the open position prior to installation of a fireplace insert or gas log.
- The appliance off valve must be a "T" handle gas cock.
- The flexible connector must not be longer than 36".
- · The appliance is not approved for installation in a bedroom or bathroom unless the unit is a direct vent sealed combustion product.
- WARNING: This product must be installed by a licensed plumber or gas fitter when installed within the commonwealth of Massachusetts.

In absence of local codes, install to the current CAN/CGA -B149 Installation Code in Canada or to the National Fuel Gas Code, ANSI Z223.1, and NFPA 54 in the United States. Suitable for mobile home installation if installed in accordance with the current standard CAN/CSA Z240MH Series, for gas equipped mobile homes, in Canada or ANSI Z223.1 and NFPA 54 in the United States.

The fireplace and its individual shutoff valve must be disconnected from the gas supply piping system during any pressure testing of that system at test pressures in excess of 1/2 psig (3.5 kPa). The fireplace must be isolated from the gas supply piping system by closing its individual manual shutoff valve during any pressure testing of the gas supply piping system at test pressures equal to or less than 1/2 psig (3.5 kPa).

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

The optional heat circulating blower is supplied with a cord. If installed, the junction box must be electrically connected and grounded in accordance with local codes. In the absence of local codes, use the current CSA C22.1 CANADIAN ELECTRICAL CODE in Canada or the ANSI/NFPA 70 NATIONAL ELECTRICAL CODE in the United States.

Under extreme vent configurations, allow several minutes (5-15) for the flame to stabilize after ignition.

Provide adequate ventilation and combustion air. Provide adequate accessibility clearance for servicing and operating the fireplace. Never obstruct the front opening of the fireplace.

Objects placed in front of the fireplace must be kept a minimum of 48" from the front face of the unit.

#### Minimum clearance to combustible construction from fireplace and vent surfaces:

Non combustible framing:

Top 0" to stand-offs.

Combustible framing:

Sides, back, bottom of the unit 0" to stand-offs

Non combustible finishing:

Top 18" to top of fireplace opening Sides 5 3/8" to sides of fireplace opening

Combustible finishing:

Bottom 0" to bottom edge of fireplace
Enclosure top 72" from the bottom of fireplace

Recessed depth 29 1/4"
Vent pipe\*\* 2" all around

Ceiling 90" from bottom of unit

#### **GENERAL INFORMATION**

FOR YOUR SATISFACTION, THIS FIREPLACE HAS BEEN TEST-FIRED TO ASSURE ITS OPERATION AND QUALITY! Maximum input is 43,000 BTU/hr for both natural gas and propane. When the fireplace is installed at elevations above 4,500ft, and in the absence of specific recommendations from the local authority having jurisdiction, the certified high altitude input rating shall be reduced at the rate of 4% for each additional 1,000ft. Maximum output for natural gas is 33,540 BTU/hr at an efficiency of 78%; and 34,000 BTU/hr for propane at an efficiency of 79%. Minimum inlet gas supply pressure is 4.5" water column for natural gas and 11" water column for propane. Maximum inlet gas pressure is 7" water column for natural gas and 13" water column for propane. Manifold pressure under flow conditions is 3.5" water column for natural gas and 10" water column for propane.

This fireplace is approved for bathroom, bedroom and bed-sitting room installations and is suitable for mobile home installation.

This fireplace is certified to be installed in an aftermarket permanently located, manufactured (mobile) home, where not prohibited by local codes.

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

Expansion / contraction noises during heating up and cooling down cycles are normal and are to be expected. Change in flame appearance from "HI" to "LO" is more evident in natural gas than in propane.



We suggest that our gas hearth products be installed and serviced by professionals who are certified in the U.S. by the National Fireplace Institute® (NFI) as NFI Gas Specialists.

<sup>\*\*</sup>HORIZONTAL VENT SECTIONS: A minimum clearance of 2" all around the vent pipe on all horizontal runs to combustibles is required except for clearances in fireplace enclosures. Use firestop spacer W010-1800 (supplied).

<sup>\*\*</sup>VERTICAL VENT SECTIONS: A minimum of 1" all around the vent pipe on all vertical runs to combustibles is required except for clearances in fireplace enclosures. Use firestop spacer W500-0367 (not supplied).

#### CARE OF GLASS, AND PLATED PARTS

Do not use abrasive cleaners to clean plated parts. Buff lightly with a clean dry cloth. The glass is 3/16" ceramic glass available from your Authorized dealer. DO NOT SUBSTITUTE MATERIALS. Clean the glass after the first 10 hours of operation with a recommended gas fireplace glass cleaner. Thereafter clean as required. DO NOT CLEAN GLASS WHEN HOT! If the glass is not kept clean permanent discolouration and / or blemishes may result.



#### **VENTING**

#### **VENTING LENGTHS AND AIR TERMINAL LOCATIONS**

Use only Wolf Steel, Simpson Dura-Vent, Selkirk Direct Temp or American Metal Amerivent venting components. For Simpson Dura-Vent, Selkirk Direct Temp and American Metal Amerivent, follow the installation procedure provided with the venting components.

For vent systems that provide seals on the inner exhaust flue, only the outer air intake joints must be sealed using a red high temperature silicone (RTV). This same sealant maybe used on both the inner exhaust and outer intake vent pipe joints of all other approved vent systems except for the exhaust vent pipe connection to the fireplace flue collar which must be sealed using the black high temperature sealant Mill Pac.

Wolf Steel, Simpson Dura-Vent, Selkirk Direct Temp and American Metal Amerivent venting systems must not be combined. A starter adaptor must be used and may be purchased from the corresponding supplier:

 Supplier
 5&8 ZC

 Dura-Vent
 W175-0170

 Amerivent
 5DSC-N2

 Direct Temp
 5DT-AA

For Simpson Dura-Vent, Selkirk Direct Temp and American Metal Amerivent, follow the installation procedure found on the website for your venting supplier.

VENTING SUPPLIER WEBSITE

Simpson Dura-Vent www.duravent.com Selkirk Direct Temp www.selkirkcorp.com

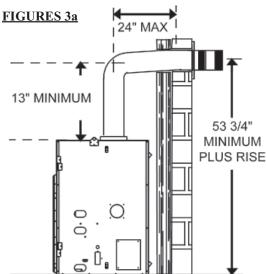
American Metal Amerivent www.americanmetalproducts.com

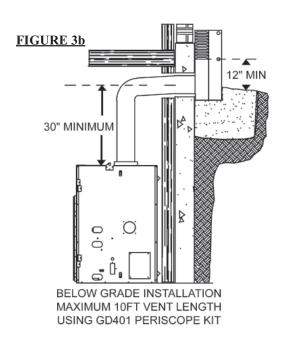
When using Wolf Steel Ltd. venting components, use only approved Wolf Steel Ltd. rigid / flexible vent components with the following termination kits: WALL TERMINAL KIT **GD422R**, or 1/12 TO 7/12 PITCH ROOF TERMINAL KIT **GD410**, 8/12 TO 12/12 ROOF TERMINAL KIT **GD411**, FLAT ROOF TERMINAL KIT **GD412** or PERISCOPE KIT **GD401** (for wall penetration below grade). With flexible venting, in conjunction with the various terminations, use either the 5 foot vent kit **GD420** or the 10 foot vent kit **GD430**. These vent kits allow for either horizontal or vertical venting of the fireplace.

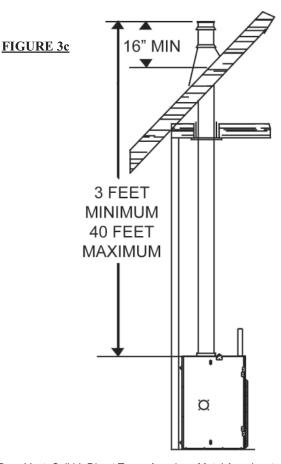
The maximum allowable vertical vent length is 40 feet. The maximum number of allowable 5" vent connections is three horizontally or vertically (excluding the fireplace and the air terminal connections).

For optimum flame appearance and fireplace performance, keep the vent length and number of elbows to a minimum. The air terminal must remain unobstructed at all times. Examine the air terminal at least once a year to verify that it is unobstructed and undamaged.

When venting, the horizontal run must be kept to a minimum of 16" or a maximum of 20 feet. If a 20 foot horizontal run is required, the fireplace must have a minimum vertical rise immediately off the fireplace of 57". FIGURES 2a-c. When terminating vertically, the vertical rise is a minimum 3 feet and a maximum 40 feet above the fireplace. **FIGURE 3.** 







Horizontal runs may have a 0" rise per foot in all cases using Simpson Dura-Vent, Selkirk Direct Temp, American Metal Amerivent or Wolf Steel Ltd. rigid or flexible venting components when venting as illustrated in Figures 2a, 2b, and 2c.

For optimum performance, it is recommended that all horizontal runs have a minimum 1" rise per foot.

Provide a means for visually checking the vent connection to the fireplace after the fireplace is installed.

Do not allow the inside liner to bunch up on horizontal or vertical runs and elbows. Keep it pulled tight. A 1¼" air gap between the inner and outer liner all around is required for safe operation.

Vent lengths that pass through unheated spaces (attics, garages, crawl space) should be wrapped with a protective insulation sleeve to minimize condensation.

Use a firestop when penetrating interior walls, floor or ceiling.

For safe and proper operation of the fireplace follow the venting instruction exactly.

Deviation from the minimum vertical vent length can create difficulty in burner start-up and/or carboning.

If vertical rises greater than 57" are necessary, the increased rise must be deducted from the horizontal run.

#### **DEFINITIONS**

For the following symbols used in the venting calculations and examples are:

> - greater than

- equal to or greater than

- less than

- equal to or less than

H<sub>+</sub> - total of both horizontal vent lengths (H<sub>p</sub>) and offsets

H<sub>R</sub> - combined horizontal vent lengths in feet

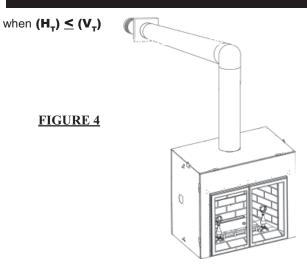
H<sub>o</sub> - offset factor: .03(total degrees of offset - 90°\*) in

- combined vertical vent lengths in feet

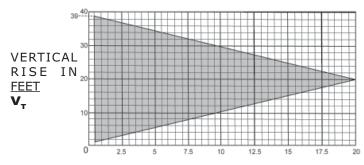
ELBOW \	/ENT LENGT	TH VALUES
	<u>Feet</u>	<u>Inches</u>
1°	0.03	0.5
15°	0.45	6.0
30°	0.9	11.0
45°	1.35	16.0
90°*	2.7	32.0

the first 90° offset has a zero value and is shown in the formula as -90°

#### **HORIZONTAL TERMINATION**

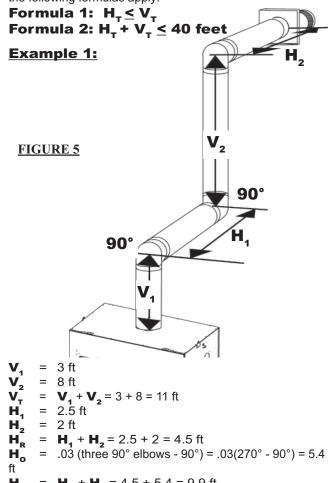


Simple venting configuration (only one 90° elbow) See graph to determine the required vertical rise V. for the required horizontal run H\_.



HORIZONTAL VENT RUN PLUS OFFSET IN FEET H. The shaded area within the lines represents acceptable values for  $H_{\tau}$  and  $V_{\tau}$ .

For vent configurations requiring more than one 90° elbow, the following formulas apply:



= **H**<sub>R</sub> + **H**<sub>O</sub> = 4.5 + 5.4 = 9.9 ft

 $\mathbf{H_T} + \mathbf{V_T} = 9.9 + 11 = 20.9 \text{ ft}$ 

Formula 1:  $\mathbf{H_{T}} \leq \mathbf{V_{T}}$   $9.9 \leq 11$ 

 $H_{T} + V_{T} \le 40$  feet  $20.9 \le 40$ Formula 2:

Since both formulas are met, this vent configuration is acceptable.

#### **HORIZONTAL TERMINATION**

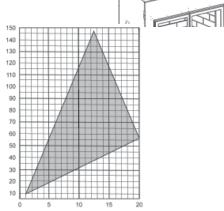
when  $(H_{-}) > (V_{-})$ 

Simple venting configuration (only one 90° elbow)

#### FIGURE 6

See graph to determine the required vertical rise  $V_{\scriptscriptstyle T}$  for the required horizontal run Н<sub>т</sub>.



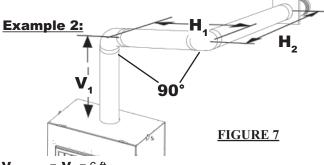


HORIZONTAL VENT RUN PLUS OFFSET IN FEET H. The shaded area within the lines represents acceptable values for  $H_{\tau}$  and  $V_{\tau}$ .

For vent configurations requiring more than one 90° elbow the following formulas apply:

Formula 1:  $\mathbf{H}_{\mathbf{T}} \leq 4.2 \, \mathbf{V}_{\mathbf{T}}$ 

Formula 2:  $\mathbf{H}_{\mathsf{T}} + \mathbf{V}_{\mathsf{T}} \leq 24.75$  feet



$$V_1 = V_T = 6 \text{ ft}$$
  
 $H_1 = 3 \text{ ft}$   
 $H_2 = 5 \text{ ft}$ 

$$H_R^- = H_1 + H_2 = 3 + 5 = 8 \text{ ft}$$

$$\mathbf{H_0}$$
 = .03 (two 90° elbows - 90°) = .03(180° - 90°) = 2.7

$$\mathbf{H_T} = \mathbf{H_R} + \mathbf{H_o} = 8 + 2.7 = 10.7 \text{ ft}$$

$$H_T + V_T = 10.7 + 6 = 16.7$$

Formula 1: **H**<sub>T</sub> ≤ **4.2 V**<sub>T</sub>

**4.2** 
$$V_{\tau}$$
 = 4.2 x 6 = 25.2 ft

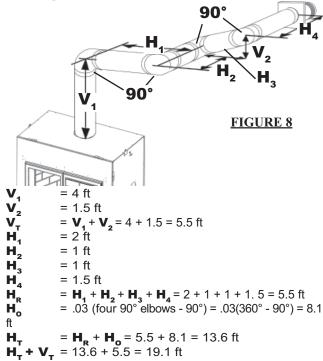
10.7 < 25.2

 $H_{+} + V_{+} \le 24.75$  feet Formula 2:

 $16.7 \le 24.75$ 

Since both formulas are met, this vent configuration is acceptable.

#### Example 3:



Formula 1:  $\mathbf{H_{T}} \leq \mathbf{4.2} \ \mathbf{V_{T}}$  $\mathbf{4.2} \ \mathbf{V_{T}} = 4.2 \times 5.5 = 23.1 \ \mathrm{ft}$ 

 $13.6 \le 23.1$ 

Formula 2:  $\mathbf{H_T} + \mathbf{V_T} \le \mathbf{24.75}$  feet  $19.1 \le 24.75$ 

Since both formulas are met, this vent configuration is acceptable.

#### **VERTICAL TERMINATION**

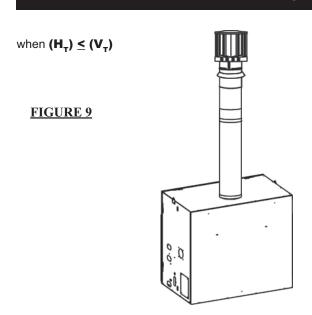
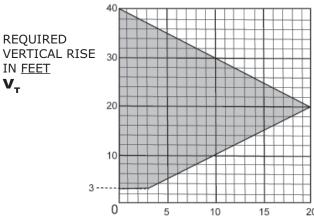


FIGURE 10 90° V<sub>2</sub> V<sub>1</sub> H<sub>2</sub> 90° 90°

See graph to determine the required vertical rise  $\mathbf{V_T}$  for the required horizontal run  $\mathbf{H_T}$ .



HORIZONTAL VENT RUN PLUS OFFSET IN FEET  $\mathbf{H_T}$ 

The shaded area within the lines represents acceptable values for  $\mathbf{H}_{\tau}$  and  $\mathbf{V}_{\tau}$  .

For vent configurations requiring more than zero  $90^\circ$  elbow (top exit) or one  $90^\circ$  elbow (rear exit), the following formulas apply:

Formula 1:  $H_T \le V_T$ Formula 2:  $H_T + V_T \le 40$  feet

$$\begin{array}{lll} \textbf{V_1} & = 5 \text{ ft} \\ \textbf{V_2} & = 10 \text{ ft} \\ \textbf{V_T} & = \textbf{V_1} + \textbf{V_2} = 5 + 10 = 15 \text{ ft} \\ \textbf{H_1} & = 3 \text{ ft} \\ \textbf{H_2} & = 2.5 \text{ ft} \\ \textbf{H_R} & = \textbf{H_1} + \textbf{H_2} = 3 + 2.5 = 5.5 \text{ ft} \\ \textbf{H_0} & = .03 \text{ (four } 90^\circ \text{ elbows - } 90^\circ) \\ & = .03 (90 + 90 + 90 + 90 - 90) = 8.1 \text{ ft} \\ \textbf{H_T} & = \textbf{H_R} + \textbf{H_0} = 5.5 + 8.1 = 13.6 \text{ ft} \\ \textbf{H_T} + \textbf{V_T} & = 13.6 + 15 = 28.6 \text{ ft} \end{array}$$

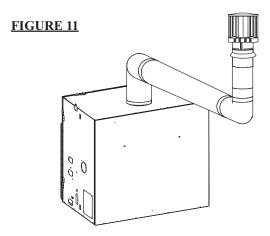
Formula 1:  $\mathbf{H_T} \leq \mathbf{V_T}$  $13.6 \leq 15$ 

Formula 2:  $\mathbf{H_T} + \mathbf{V_T} \leq \mathbf{40}$  feet  $28.6 \leq 40$ 

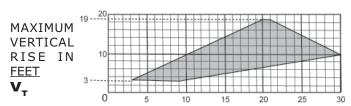
Since both formulas are met, this vent configuration is acceptable.

#### **VERTICAL TERMINATION**

when  $(H_{-}) > (V_{-})$ Simple venting configurations



See graph to determine the required vertical rise  $\boldsymbol{V_{\scriptscriptstyle{T}}}$  for the required horizontal run H\_.

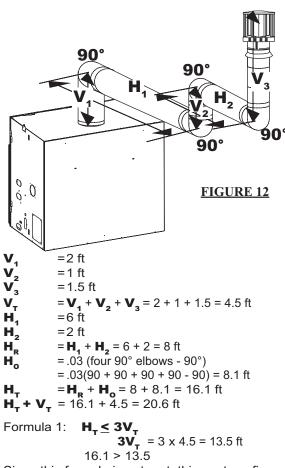


HORIZONTAL VENT RUN PLUS OFFSET IN FEET H. The shaded area within the lines represents acceptable values for  $H_{\tau}$  and  $V_{\tau}$ .

For vent configurations requiring more than two 90° elbow (top exit) or one 90° elbow (rear exit), the following formulas

Formula 1:  $H_{\tau} \le 3V_{\tau}$ Formula 2:  $H_{\tau} + V_{\tau} \le 40$  feet

**Example 5:** 



Since this formula is not met, this vent configuration is unacceptable.

 $H_{T} + V_{T} \le 40$  feet  $20.6 \le 40$ Formula 2:

Since only formula 2 is met, this vent configuration is unacceptable and a new fireplace location or vent configuration will need to be established to satisfy both formulas.

#### MINIMUM AIR TERMINAL LOCATION CLEARANCES FIGURE 13 $H_{\omega}$ **INSTALLATIONS CANADIAN** U.S.A. 12 INCHES 12 INCHES Clearance above grade, veranda porch, deck or balcony. A Clearance to windows or doors that open. В 12 INCHES 9 INCHES Clearance to permanently closed windows. C 12 INCHES\* 12 INCHES\* Vertical clearance to ventilated soffit located above the terminal within D **18 INCHES\*\* 18 INCHES\*\*** a horizontal distance of 2 feet from the centerline of the terminal. **12 INCHES\*\* 12 INCHES\*\*** E Clearance to unventilated soffit. 0 INCHES 0 INCHES Clearance to an outside corner wall. F Clearance to an inside *non*-combustible corner wall or protruding 0 INCHES\*\*\* 0 INCHES\*\*\* non-combustible obstructions (chimney, etc.). G Clearance to an inside combustible corner wall or protruding com-2 INCHES\*\*\* 2 INCHES\*\*\* bustible obstructions (vent chase, etc.). Clearance to each side of the centerline extended above the meter Н 3 FEET 3 FEET\*\*\*\* / regulator assembly to a maximum vertical distance of 15ft. Clearance to a service regulator vent outlet. 3 FEET 3 FEET\*\*\*\* Clearance to a non-mechanical air supply inlet to the building or a 12 INCHES 9 INCHES combustion air inlet to any other appliance. K Clearance to a mechanical air supply inlet. 6 FEET 3 FEET† Clearance above a paved sidewalk or paved driveway located on 7 FEET\*\*\*\* 7 FEET‡ public property unless fitted with a heat shield kit GD-301. М Clearance under a veranda, porch, deck or balcony. 12 INCHES†† 12 INCHES\*\*\*\* N Clearance above the roof. 16 INCHES 16 INCHES Clearance from an adjacent wall including neighbouring buildings. 0 2 **FEET**†\* **2 FEET†\***

- \* Recommended to prevent condensation on windows and thermal breakage
- \*\* It is recommended to use a heat shield and to maximize the distance to vinyl clad soffits.
- \*\*\* The periscope GD201 requires a minimum 18 inches clearance from an inside corner.
- \*\*\*\* This is a recommended distance. For additional requirements check local codes.
- † 3 feet above if within 10 feet horizontally.
- 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 the veranda, porch, or deck is fully open on a minimum of two sides beneath the floor.
- †\* Recommenced to prevent recirculation of exhaust products. For additional requirements check local codes.

#### INSTALLATION

#### **WALL AND CEILING PROTECTION**

FOR SAFE AND PROPER OPERATION OF THE FIREPLACE, FOLLOW THE VENTING INSTRUCTIONS EXACTLY.

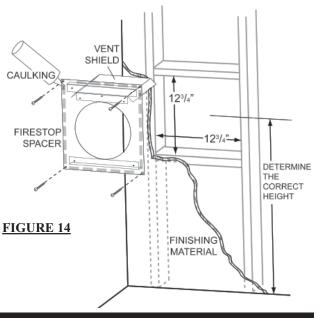
\*\*HORIZONTAL VENT SECTIONS: A minimum clearance of 2" all around the vent pipe on all horizontal runs to combustibles is required except for clearances in the fireplace enclosure. Use firestop spacer W010-1800 (supplied).

<u>VERTICAL VENT SECTIONS:</u> A minimum of 1" all around the vent pipe on all vertical runs to combustibles is required except for clearances in fireplace enclosures. Use firestop spacer W500-0367 (not supplied).

#### **HORIZONTAL INSTALLATION**

This application occurs when venting through an exterior wall. Having determined the air terminal location, cut and frame a hole in an exterior wall. The recommended framed opening is  $12\,^3/_4$ " W x  $12\,^3/_4$ " H. **See figure 14.** 

1. Apply a bead of caulking (not supplied) all around and place a firestop spacer over the framed hole to restrict cold air from being drawn into the room or around the fireplace. Ensure that the spacer maintains the required clearance to combustibles. Once the vent pipe / liner is installed in its final position, apply high temperature sealant W573-0002 (not supplied) between the pipe / liner and the firestop spacer.



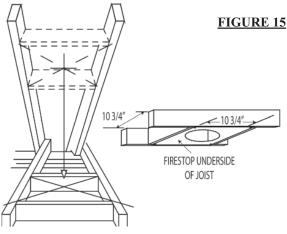
#### **VERTICAL INSTALLATION**

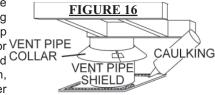
This application occurs when venting through a roof. Installation kits for various roof pitches are available from your Authorized dealer. See Accessories to order the specific kit required.

1. Determine the air terminal location, cut and frame a 10 3/4" square opening in the ceiling and the roof to provide the minimum 1" clearance between the fireplace pipe / liner and any combustible material. Try to centre the exhaust pipe location midway between two joists to prevent having to cut them. Use a plumb bob to line up the centre of the openings. DO NOT FILL THIS SPACE WITH ANY TYPE OF MATERIAL.

A vent pipe shield and collar will prevent any materials such as insulation, from filling up the 1" air space around the pipe. Nail headers between the joist for extra support.

2. Apply a bead of caulking (not supplied) to the framework or to the Wolf Steel vent pipe shield plate or equivalent (in the case of a finished ceiling), and secure over the opening in the ceiling. A firestop must be placed on the bottom of each framed opening in a roof or ceiling that the venting system passes through. Apply a bead of caulking all around and place a firestop spacer over the vent shield to restrict cold air from being drawn into the room or VENT PIPE around the fireplace. Ensure that both spacer and shield maintain the required clearance to combustibles. Once the vent pipe / liner is installed in its final position, apply high temperature sealant W573-0002 (not supplied) between the pipe / liner and the firestop spacer.





3. In the attic, slide the vent pipe collar down to cover up the open end of the shield and tighten. This will prevent any material, such as insulation, from filling up the 1" air space around the pipe.

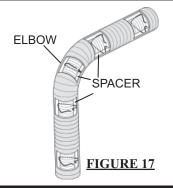
#### **USING FLEXIBLE VENT COMPONENTS**

For safe and proper operation of the fireplace, follow the venting instructions exactly.

All inner exhaust and outer intake vent pipe joists may be sealed using either red RTV high temperature silicone sealant or black high temperature Mill Pac with the exception of the fireplace exhaust flue collar which must be sealed using Mill Pac (not supplied).

# **AWARNING**

Do not allow the inside vent pipe to bunch up on horizontal or vertical runs and elbows. Keep it pulled tight. An even air gap between the inner vent pipe and outer vent pipe all around is required for safe operation. A spacer is required at the start, middle and end of each elbow to ensure this gap is maintained. **See Figure 17**.



Use only approved flex vent pipe kits marked:



"Wolf Steel Approved Venting" as identified by the stamp only on the 8" outer liner.

FIGURE 18

OVERLAP

TERMINAL

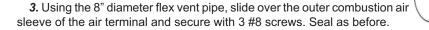
EXTENSION PLATE

**NOTE:** Eight (8") inches is the minimum bend radius allowed for the 8" diameter flexible vent pipe.

CAULKING

#### **HORIZONTAL AIR TERMINAL INSTALLATION**

- 1. Secure the terminal to the terminal extension plate (see figure 18).
- 2. Stretch the 5" diameter flex vent pipe to the required length taking into account the additional length needed for the finished wall surface. Slip the vent pipe a minimum of 2" over the inner sleeve of the air terminal and secure with 3 #8 screws. Apply a heavy bead of the high temperature sealant W573-0002 (not supplied).

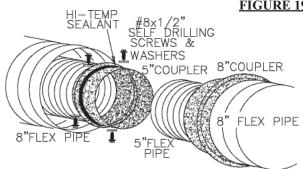


- **4.** Insert the vent pipe through the firestop maintaining the required clearance to combustibles. Secure to the exterior wall and make weather tight by sealing with caulking (not supplied).
- 5. Apply a heavy bead of the high temperature sealant, Mill Pac W573-0007 (not supplied) with the unit, to the inside of the 5" liner approximately 1" from the end. Slip the vent pipe a minimum of 2" over the fireplace vent collar and secure with 3 #8 screws.

6. Using the 8" diameter flex vent pipe, apply high temperature sealant W573-0002 (not supplied), slide a minimum of 2" over the fireplace combustion air collar and secure with 3 #8 screws.

FIGURE 19

**7.** If more liner needs to be used to reach the fireplace, couple them together as illustrated. The vent system must be supported approximately every 3 feet for both vertical and horizontal runs. Use noncombustible strapping to maintain clearances to combustibles.





#### **VERTICAL AIR TERMINAL INSTALLATION**

- **1.** Fasten the roof support to the roof using the screws provided. The roof support is optional. In this case the venting is to be adequately supported using either an alternate method suitable to the authority having jurisdiction or the optional roof support.
- **2.** Stretch the 5" diameter flex vent pipe to the required length. Slip the liner a minimum of 2" over the inner sleeve of the air terminal and secure with 3 #8 screws. Seal using a heavy bead of the high temperature sealant W573-0002 (not supplied).

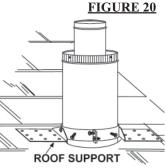


**4.** Thread the air terminal pipe assembly down through the roof. The air terminal must be located vertically and plumb. Attach the air terminal assembly to the roof support, ensuring that a minimum 16" of air terminal will penetrate the roof when fastened.

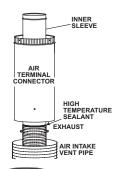
#### DO NOT CLAMP THE FLEX VENT PIPE.

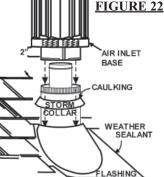
- **5.** Remove nails from the shingles, above and to the sides of the chimney. Place the flashing over the air terminal and slide it underneath the sides and upper edge of the shingles. Ensure that the air terminal is properly centred within the flashing, giving a 3/4" margin all around. Fasten to the roof. Do **not** nail through the lower portion of the flashing. Make weather-tight by sealing with caulking. Where possible, cover the sides and top edges of the flashing with roofing material.
- **6.** Apply a heavy bead of weatherproof caulking 2" above the flashing. **NOTE:** Maintain a minimum 2" space between the air inlet base and the storm collar. Slide the storm collar around the air terminal and down to the caulking. Tighten to ensure that a weather-tight seal between the air terminal and the collar is achieved. Attach the other storm collar centred between the air intake and the air exhaust slots onto the air terminal. Tighten securely. Attach the vertical rain cap.

7. If more liner needs to be used to reach the fireplace, couple them together as illustrated in **Figure 19.** The vent system must be supported approximately every 3 feet for both vertical and horizontal runs. Use noncombustible strapping to maintain clearances to combustibles.



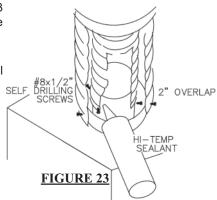
#### FIGURE 21





#### FIREPLACE VENT CONNECTION

- 1. Install the 5" diameter aluminium flexible liner to the fireplace. Secure with 3 screws and flat washers. Seal the joint and screw holes using the high temperature sealant Mill Pac W573-0007 (not supplied).
- **2.** Install the 8" diameter aluminium flexible liner to the fireplace. Attach and seal the joints with high temperature sealant W573-0002 (not supplied).

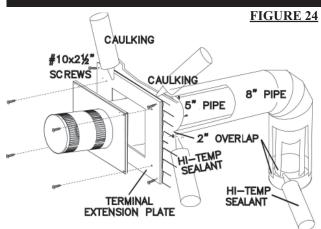


#### **USING RIGID VENT COMPONENTS**

The vent system must be supported approximately every 3 feet for both vertical and horizontal runs. Use Wolf Steel support ring assembly or equivalent noncombustible strapping to maintain the minimum clearance to combustibles for both vertical and horizontal runs.

All inner exhaust and outer intake vent pipe joists may be sealed using either red high temperature silicone sealant W573-0002 or black high temperature Mill Pac W573-0007 with the exception of the fireplace exhaust flue collar which must be sealed using Mill Pac (not supplied).

#### **HORIZONTAL AIR TERMINAL INSTALLATION**



- **1.** Move the fireplace into position. Measure the vent length required between terminal and fireplace taking into account the additional length needed for the finished wall surface and any 1½" overlaps between venting components.
- **2.** Apply high temperature sealant W573-0007 (not supplied) to the outer edge of the 5" inner collar of the fireplace. Attach the first vent component and secure using 3 self tapping screws. Repeat using 8" piping.
- **3.** Holding the air terminal insert the terminal into both vent pipes with a twisting motion to ensure that both the terminal sleeves engage into the vent pipes and sealant. Secure the terminal to the exterior wall and make weather tight by sealing with caulking (not supplied).

AIR TERMINAL

COUPLER

FIGURE 25

VENTING

TELESCOPIC SLEEVE

#### **EXTENDED HORIZONTAL AIR TERMINAL INSTALLATION**

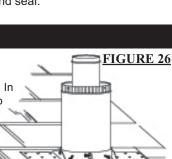
- 1. Follow the instructions for "Horizontal Air Terminal Installations", items 1 to 3.
- **2.** Continue adding components alternating inner and outer venting. Ensure that all 5" venting and elbows have sufficient vent spacers attached and each component is securely fastened to the one prior. Attach the 5" telescopic sleeve to the vent run.

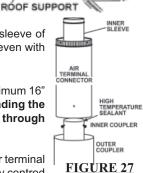
Repeat using a 8" telescopic sleeve. Secure and seal as before. To facilitate completion, attach 5" and 8" couplers to the air terminal.

**3.** Install the air terminal. See item 3 of the Horizontal Air Terminal Installation. Extend the 5" telescopic sleeve; connect to the air terminal assembly. Fasten with self tapping screws and seal. Repeat using the 8" telescopic sleeve.

#### VERTICAL VENTING INSTALLATION

- 1. Move the fireplace into position.
- **2.** Fasten the roof support to the roof using the screws provided. The roof support is optional. In this case the venting is to be adequately supported using either an alternate method suitable to the authority having jurisdiction or the optional roof support.
- **3.** Apply high temperature sealant W573-0002 (not supplied) to the outer edge of the inner sleeve of the air terminal. Slip a 5" diameter coupler a minimum of 2" over the sleeve and secure using 3 screws.
- **4.** Apply high temperature sealant W573-0002 (not supplied) to the outer edge of the of the outside sleeve of the air terminal. Slip a 8" diameter coupler over the sleeve and secure as before. Trim the 8" coupler even with the 5" coupler end.
- 5. Thread the air terminal pipe assembly down through the roof support and attach, ensuring that a minimum 16" of air terminal will penetrate the roof when fastened. If the attic space is tight, we recommend threading the Wolf Steel vent pipe collar or equivalent <u>loosely</u> onto the air terminal assembly as it is passed through the attic. The air terminal must be located vertically and plumb.
- 6. Remove nails from the shingles, above and to the sides of the chimney. Place the flashing over the air terminal and slide it underneath the sides and upper edge of the shingles. Ensure that the air terminal is properly centred within the flashing, giving a 3/4" margin all around. Fasten to the roof. Do NOT nail through the lower portion of the flashing. Make weather-tight by sealing with caulking. Where possible, cover the sides and top edges of the flashing with roofing material.





7. Apply a heavy bead of waterproof caulking 2" above the flashing. Slide the storm collar around the air terminal and down to the caulking. Tighten to ensure that a weather-tight seal between the air terminal and the collar is achieved. Attach the other storm collar centred between the air intake and air exhaust slots onto the air terminal. Tighten securely. Attach the rain cap.

VENT PIPE SHIELD

**8.** Continue adding rigid venting sections, sealing and securing as above. Attach a 5" collapsed telescopic pipe to the last section of rigid piping. Secure with screws and seal. Repeat using a 8" telescopic pipe.

**9.** Run a bead of high temperature sealant Mill Pac W573-0007 (not supplied) around the outside of the 5" collar on the fireplace. Pull the adjustable pipe a minimum of 2" onto the collar. Secure with 3 screws. Repeat with the 8" telescopic pipe.

10. In the attic, slide the vent pipe collar down to cover up the open end of the shield and tighten. This will prevent any materials, such as insulation, from filling up the 1" air space around the pipe.

#### **MOBILE HOME INSTALLATION**

This appliance may be installed as an OEM (Original Equipment Manufacturer) Installation in a manufactured home or mobile home and must be installed in accordance with the manufacturer's instructions and the Manufactured Home Construction and Safety Standard, Title 24 CFR, Part 3280, in the United States or the Mobile Home Standard, CAN/CSA Z240 MH Series, in Canada. This appliance is only for use with the type(s) of gas indicated on the rating plate. A conversion kit is supplied with the mobile home appliance.

This Mobile/Manufactured Home listed appliance comes factory equipped with means to secure the unit.

The fireplace is equipped with two 1/4" diameter holes located in the front left and right corners of the base. For mobile home installations, the fireplace must be fastened in place. Use #10 screws, inserted through the holes in the base to secure.

Always turn off the pilot and the fuel supply at the source, prior to moving the mobile home.

After moving the mobile home and prior to lighting the fireplace, permanently ensure that the logs are positioned correctly.

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

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

#### **CONVERSION KITS**

The mobile home appliance is field convertible between Natural Gas (NG) and Propane (LP). To convert from one gas to another consult your Authorized dealer/distributor.

#### **GAS INSTALLATION**

Proceed once the vent installation is complete.

NOTE: All gas connections must be contained within the fireplace when complete.

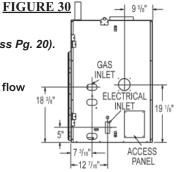
1. The fireplace is designed to accept a ½" gas supply line. The fireplace is equipped with a ½" manual shut-off valve, and an 18" listed flexible gas connector.

2. The access to the gas inlet is located on the right side of the outer shell.

**3.** To ease the connection, the shut off can be flexed out through the side of the fireplace where the connection can be made and then returned into the shell.

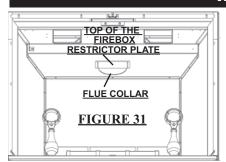
4. When flexing any gas line, support the gas valve so that the lines are not bent. (See Access Pg. 20).

5. Check for gas leaks by brushing on a soap and water solution. Do not use open flame.
Purge all gas lines with the glass door of the fireplace open. Assure that a continuous gas flow is at the burner before closing the door.



BLACK

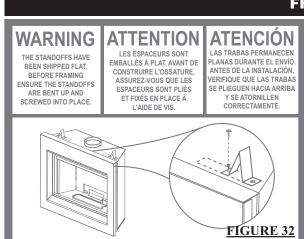
#### **RESTRICTING VERTICAL VENTS**



Vertical terminations may display a very active flame. If this appearance is not desirable, the vent exit must be restricted using restrictor plate, W500-0205. This reduces the velocity of the exhaust gases, slowing down the flame pattern and creating a more traditional appearance.

The plate has a series of holes to allow for adjustment.

Remove the two screws on either side of the exhaust collar inside the firebox. Install the plate in the desired set of holes, then replace the screws.



**FRAMING** 

The Madison must be installed with either an arched opening (FK80-A) or a rectangular opening (FK80-R) using one of the above kits.

The framing kits serve two purposes. They are necessary if optional doors (DK80) are to be installed.

Secondly, they act as a reference when finishing to the fireplace opening.

The FK80 is designed to accommodate 1/2" to 1 1/2" finishing material. They are adjustable to ensure doors open fully . If finishing material is thicker than 1 1/2", an optional extension kit is available (EK80).

It is best to frame your fireplace after it is positioned and the vent system is installed. Use 2x4's and frame to local building codes.

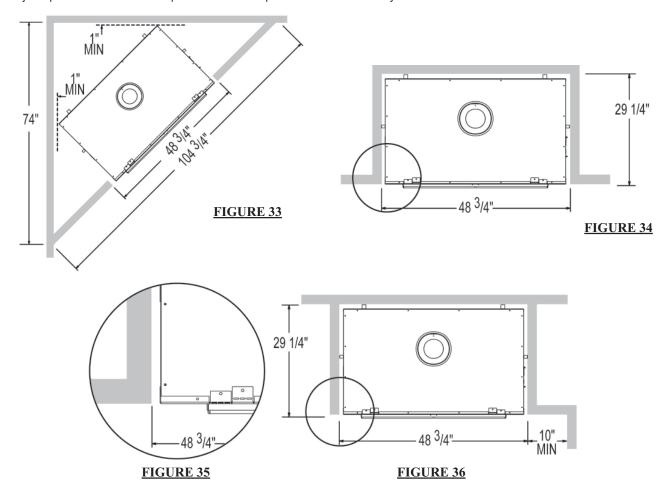
**NOTE:** In order to avoid the possibility of exposed insulation or vapor barrier coming in contact with the fireplace body, it is recommended that the walls of the fireplace enclosure be "finished" (ie: drywall/sheetrock), as you would finish any other outside wall of a home. This will ensure that clearance to combustibles is maintained within the cavity.

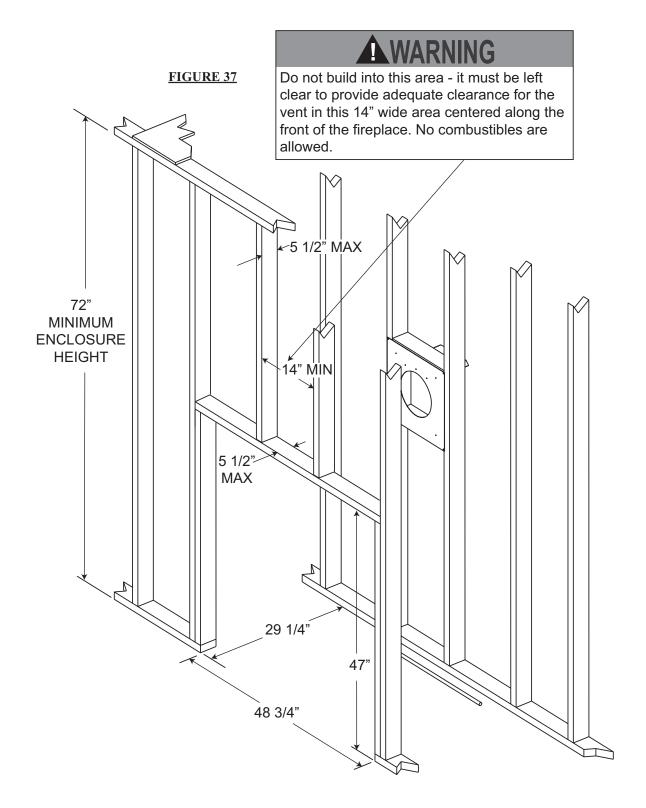
It is not necessary to install a hearth extension, but the fireplace should be raised to be flush with either the hearth or the finished floor.

When roughing in the fireplace, raise the fireplace to accommodate for the thickness of the finished floor materials, i.e. tile, carpeting, hard wood, which if not planned for will interfere with the removal of the hearth strip, which must be removed to access the firebox.

If the intent is to use the Chelmsford mantel, a riser is required to lift the unit, while at the framing stage.

Objects placed in front of the fireplace should be kept a minimum of 48" away from the front face.





#### MINIMUM CLEARANCE TO COMBUSTIBLES

#### **IMPORTANT**:

The Madison requires a minimum inside enclosure height of 72".

For temperature requirements, the enclosure space around and above the fireplace must be left unobstructed.

It is recommended that the enclosure be ventilated at the top and bottom to circulate the hot air.

#### FIGURE 38

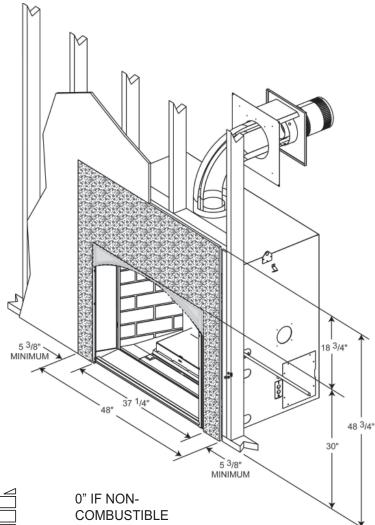
# **AWARNING**

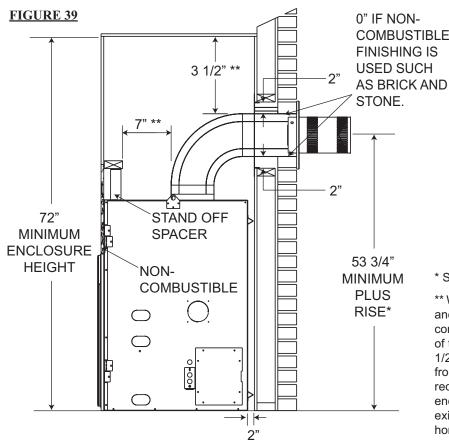
Use only non-combustible material such as cement board, ceramic tile, marble, etc. when finishing to the fireplace. **DO NOT USE WOOD OR DRYWALL.** 

Facing and/or finishing material must never overhang into the fireplace opening.

Do not distort or force the frame kit components.

When using a rough finish material (i.e.; stone), maintain a  $\frac{1}{2}$ " -  $\frac{1}{2}$ " border from the framing components.

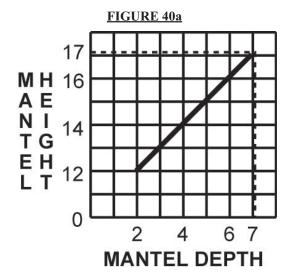


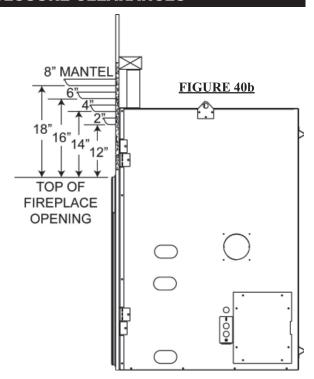


- \* See venting section
- \*\* Within the fireplace enclosure a 7" clearance between the vertical vent run and the combustible materials on the front facing of the enclosure is required. Similarly, a 3 1/2" clearance to combustible materials from the top of the horizontal vent run is required. All other clearances within the enclosure, including where the vent pipe exits the enclosure are subject to 2" for horizontal and 1" for vertical.

#### MINIMUM MANTEL AND ENCLOSURE CLEARANCES

Combustible mantel clearance can vary according to the mantel depth. Use the graph to help evaluate the clearance needed.





#### ELECTRICAL CONNECTION

Do NOT use the fireplace if any part has been under water.

Call a qualified service technician IMMEDIATELY to have the fireplace inspected for damage to the electrical circuit.

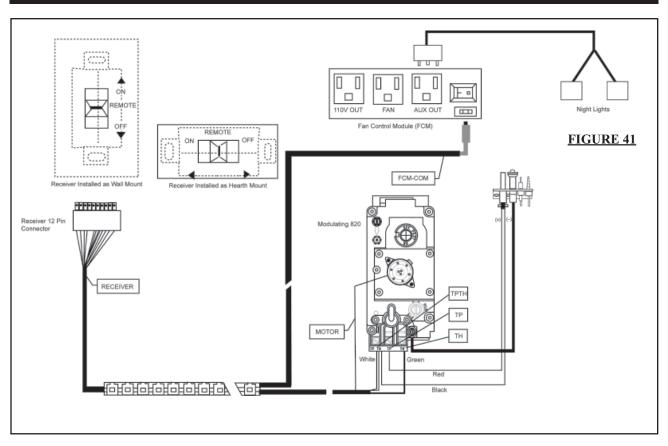
If access to the control area is necessary BEFORE INSTALLATION, remove the access panel. The access panel must be re-installed before operating the unit.

#### **HARD WIRING CONNECTION**

#### It is necessary to hard wire this fireplace.

Permanently framing the fireplace with an enclosure, requires the fireplace junction box to be hardwired. This fireplace must be electrically connected and grounded in accordance with local codes. In the absence of local codes, use the current CSA C22.1 CANADIAN ELECTRICAL CODE in Canada or the ANSI/NFPA 70-1996 NATIONAL ELECTRICAL CODE in the United States.

#### **SCHEMATIC**

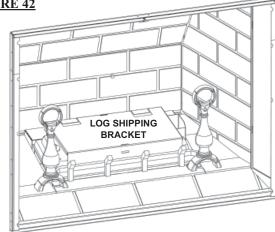


#### FINISHING

#### **LOG SHIPPING BRACKET**

FIGURE 42

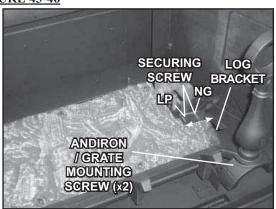
Before installing the logs, you must first remove the log shipping bracket. Lift up to remove.

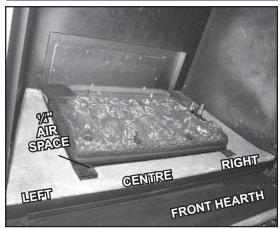


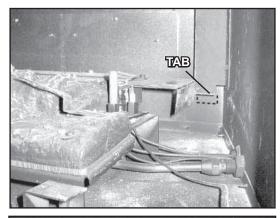
#### **DECORATIVE BRICK PANEL INSTALLATION**

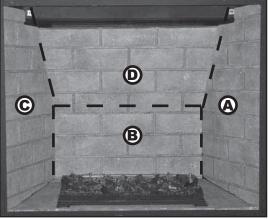
- 1. Remove the hearth strip / screen assembly and glass door. (Refer to manual).
- 2. Remove the andiron / grate assembly by removing the 2 screws located behind the andirons.
- 3. Remove the right log bracket, as shown. Note the position of the securing screw in the bracket.
- **4.** Install the right, left and centre hearth bricks into the firebox, as illustrated. The hearth should appear seamless across the front. Ensure that a ¼" space exists between the hearth bricks and the perimeter of the burner.

#### **FIGURE 43-46**



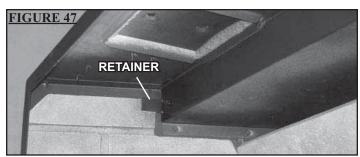






- 5. Ensure that the tabs, located on the back wall of the firebox, have been bent forward horizontally.
- **6.** Install the panels in the following order:
- A RIGHT
- B REAR
- C LEFT

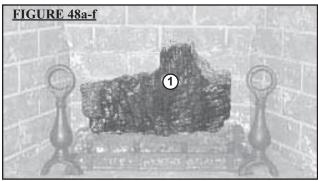
- **7.** Secure the side panel using the retainers located in the top left and right corners of the firebox.
- 8. Replace the components removed in steps 2 3.
- **9.** Remove one end of the hearth assembly so that the three front concrete hearth pieces can be inserted, then replace the end.



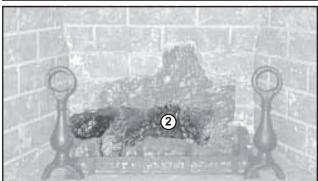
#### **LOG PLACEMENT**

PHAZER™ logs, exclusive to Wolf Steel Ltd. Fireplaces, provide a unique and realistic glowing effect that is different in every installation. The Madison logs are fuel specific. Do not interchange. Refer to the replacement parts list.

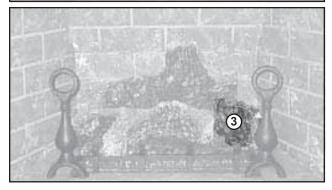
1. Place the rear log #1 onto the locating studs along the back edge of the PHAZERAMIC™ burner.



**2.** Position log #2 onto the locators on the PHAZERAMIC<sup>™</sup> burner.



**3.** Position the slot on the bottom of log #3 onto the bracket shown with the charred face of the log to the front.

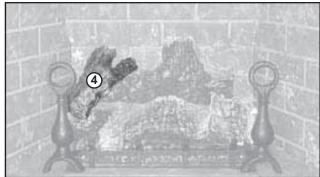


#### NOTE:

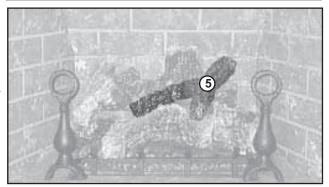
For propane, remove the screw from the #3 log support bracket. Move the bracket to the right most location, then install the log.



**4.** Place log #4, with the charred branch pointed inward. Locate the pins into the holes in log#1 and log#2, this will hold the rear log in position.



- 5. Place the end of log #5 on the right end of log #1. The fork in the log should straddle the knot on top of log #2.
- 6. Replace the glass door and screen assembly.



#### **GLOWING EMBERS**

Glowing embers are NOT recommended. The burner has been designed to achieve maximum glow without embers.

#### **CHARCOAL EMBERS**

Charcoal provided could be randomly placed on the fibre hearth on both sides of the burner, and across the front, especially at the hearth joint.

Log colors may vary. During the initial use of the fireplace, the colors will become more uniform as color pigments burn in during the heat activated curing process.

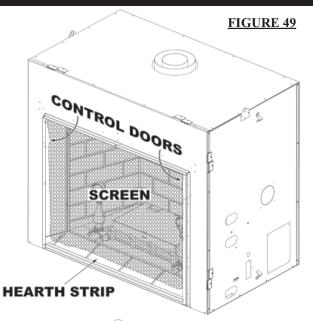
Positioning the logs improperly will cause flame impingement and carboning.

Blocked burner ports can cause an incorrect flame pattern, carbon deposits and delayed ignition. *PHAZER*™ logs glow when exposed to direct flame. Use only certified *PHAZER*™ logs available from your Authorized dealer.

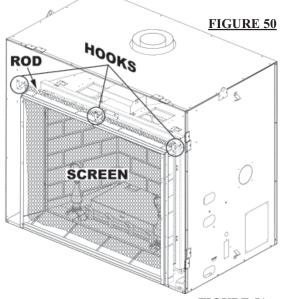
#### REMOTE AND VALVE ACCESS

#### **DOOR REMOVAL**

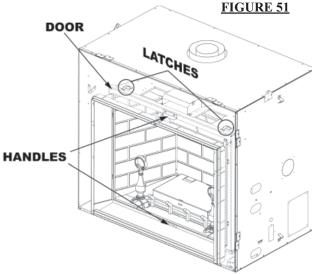
Before the glass door can be removed, the control doors, the screen assembly and the hearth strip must be removed.



The curtain assembly can be removed by lifting the rod out from the three hooks at the top inside edge of the door opening. Lift the hearth strip up and away from the front of the fireplace.



The glass door is secured to the top front edge of the firebox. Pull the handle of the latch forward, then lift the hook out from the slot in the door frame to release the top of the door. Lift the door out from the retainer along the bottom of the door using the top and bottom handles. Pull the bottom edge of the door out from the fireplace until the top will pivot forward.



#### **INNER ACCESS PANEL**

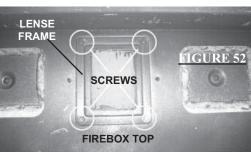
The control area can be accessed either through the control door or through the inner access panel inside the firebox. Follow the door removal instructions (**PG 26**). Remove the right side brick panel. Remove the four screws from the inner access panel (see Figure 57).

NOTE: A new gasket will be required, when re-installing the access panel (see replacement parts).

#### NIGHT LIGHT™ REPLACEMENT

Your MADISON™comes equipped with our "Night Light™". The light has been pre-wired and is controlled from the remote control. If in the event the lamp or lens needs to be replaced, follow the instructions below.

- 1. Unplug the remote receiver from the junction box located behind the inner access panel (see Figure 57).
- 2. Remove the four screws that secure the lens frame. This frame retains the glass lens. The lamp can now be accessed.



<u>NOTE:</u> Do not handle the lamp (bulb) with bare fingers, protect with a clean dry cloth.

The lamp will pull straight out of the socket. Replace with Wolf Steel FIGURE 53 parts only, as lamp and lens are special "high temperature" products.

When re-installing, ensure integrity of gasket seal.

#### THE FIREBOX MUST BE SEALED.

Over tightening the screws could break the lens. "Light Leakage" from the upper area may be observed. The holes in the lamp housing are necessary for ventilation and must not be covered.

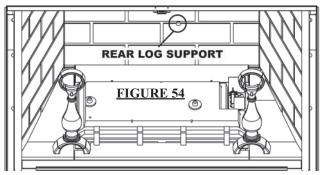


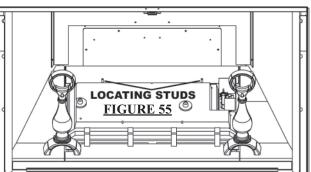
#### **BLOWER REPLACEMENT**

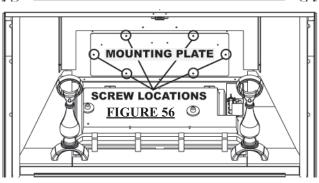
The MADISON comes equipped with a heat circulating blower. The blower is pre-wired and is controlled by the remote control supplied with the unit. For control details, see operation.

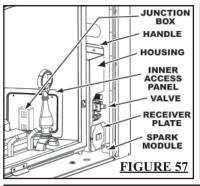
Drywall dust will penetrate into the blower bearings, causing irreparable damage. Care must be taken to prevent drywall dust from coming into contact with the blower or its compartment. Any damage resulting from this condition is not covered by the warranty policy.

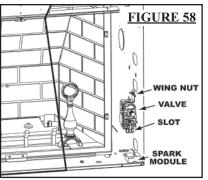
- 1. Turn off the power to the fireplace.
- 2. Turn off the gas valve.
- **3.** Remove the glass door, logs, rear log support, side brick panels, rear baffle, and rear panel.
- **4.** The mounting plate can now be removed. Remove the six screws that secure the plate to the firebox back. The blower is secured to this plate.
- 5. Disconnect the wire connectors and ground before attempting to remove the blower from the plate.
- **6.** When re-installing the replacement blower, it will be necessary to replace the gasket (W290-0091) on the mounting plate.

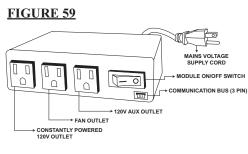






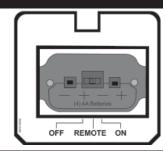






#### REMOTE RECEIVER REMOVAL

- 1. Open the right control door by pulling bottom portion away from magnet catch.
- 2. Remove the hearth strip by lifting up and away from unit.
- 3. Remove the receiver by pulling the left side of the plate away from the bracket.
- 4. Once disengaged pull the wiring harness out from the back of receiver. FIGURE 60



#### **VALVE REMOVAL**

The valve on the Madison is piped with two flex connectors (one inlet, one outlet). It can be removed or pulled forward for service.

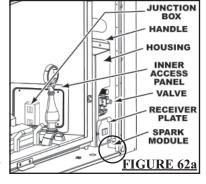
- 1. Remove the hearth strip.
- 2. Open the right control door.
- 3. Remove the switch plate by pulling on the left side.
- 4. Remove the valve housing by pulling on the handle.
- 5. Lift up and set the housing towards the back of the fireplace.
- 6. Remove the wing nut and pivot the valve out from the slot at the bottom of the valve.
- 7. Slowly pull the valve through the control door careful not to kink the gas lines or wires.
- 8. Replace all components before returning the fireplace to service.

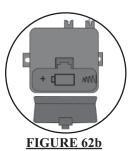
# JUNCTION BOX HANDLE HOUSING INNER ACCESS PANEL VALVE RECEIVER PLATE SPARK MODULE FIGURE 61

#### "AUTO SPARK" BATTERY REMOVAL

This unit is equipped with a spark module that will provide the spark to pilot when the pilot knob is pushed in. It will be necessary to install the "AAA" battery supplied. Install and replace batteries as noted below:

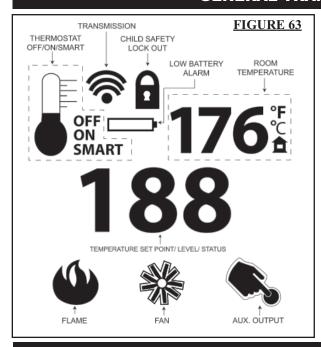
- **1.** Open the right control door by pulling bottom portion away from magnet catch.
- 2. Remove the hearth strip by lifting up and away from unit.
- **3.** The spark module is located in the front right corner of the unit (see photo below).
- **4.** Disengage the battery compartment door from the top of module.
- 5. Replace battery and re-install compartment door.





#### OPERATION

#### **GENERAL TRANSMITTER LAYOUT**



#### FIREPLACE OPERATION

- 1. Install 4 AA batteries into the receiver battery bay as indicated on the battery cover (+/-). (Only required as back up to household electricity).
- 2. Place the 3 position slider switch in the "Remote" position.
- 3. Using the end of a paper clip, or other similar object, insert the end of the paper clip into the hole marked "PRG" on the receiver front cover. The receiver will "beep" three (3) times to indicate that it is ready to synchronize with the transmitter.
- 4. Install the 3 AAA batteries in the transmitter battery bay, located on the base of the transmitter.

With the batteries already installed in the transmitter, push the "ON" button. The receiver will "beep" four times to indicate the transmitter's command is accepted and set to the particular code of that transmitter. The system is now initialized.

#### HAND HELD REMOTE OPERATIONS

- 1. Press the ON/OFF key on the transmitter. The transmitter display will show all active icons on the screen. At the same time the receiver connects the thermopile to the gas valve millivolt coil and the appliance main burner turns on. A single "beep" from the receiver will confirm reception of the command.
- 2. Press the ON/OFF key on the transmitter. The transmitter LCD display will only show the room temperature and icon. At the same time the receiver disconnects the thermopile from the gas valve millivolt coil and the appliance burner turns off. A single "beep" from the receiver confirms reception of the command.



#### **TEMPERATURE DISPLAY**

- 1. With the system in the "OFF" position, press the Thermostat Key and the Mode Key at the same time to change from degrees F to C.
- 2. Look at the LCD screen on the Transmitter to verify that a C or F is visible to the right of the Room Temperature display.

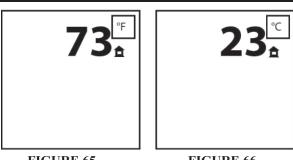


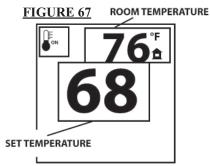
FIGURE 65

FIGURE 66

#### **ROOM THERMOSTAT**

The remote transmitter can operate as a room thermostat. The thermostat can be set to a desired temperature to control the comfort level

- 1. Press the Thermostat Key. The LCD display on the Transmitter will show that the room is "ON" and the set temperature is now displayed.
- 2. To adjust the set temperature, press the Up/Down Arrow Keys until the desired set temperature is displayed on the LCD screen of the Transmitter.



#### **SMART THERMOSTAT**

The Smart Thermostat function adjusts the flame height according to the difference between the set temperature and the actual room temperatures. As the room temperature gets closer to the set point the Smart Function will automatically adjust the flame down.

- 1. Press the thermostat key unit the word "SMART" appears to the right of the temperature bulb
- 2. To adjust the set temperature, press the Up/Down arrow keys until the desired set temperature is displayed on the LCD screen at the Transmitter.

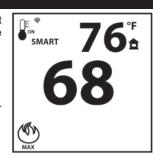


FIGURE 68

#### **FLAME HEIGHT**

The remote control has six (6) flame levels. With the system on and the flame level at the maximum, press the Down Arrow Key once and it will reduce the flame height by one step until the flame is turned off.

The Up Arrow Key will increase the flame height each time it is pressed. If the Up Arrow Key is pressed while the system is on but the flame is off, the flame will come on the high position. A single "beep" will confirm reception of the command.





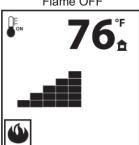
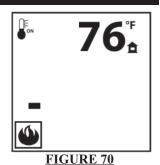


FIGURE 71 Flame at level five



Flame at level 1



Flame at "HI" level six

#### **FAN SPEED**

If the appliance is equipped with a hot air circulating fan, the speed of the fan can be controlled by the remote system. The fan speed can be adjusted through six (6) speeds.

- 1. Use the Mode key to guide you to the fan control icon.
- 2. Use the Up/Down Arrow keys to turn ON/OFF or adjust the fan speed.

A single "beep" will confirm reception of the command.

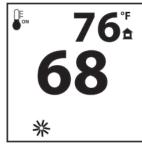


FIGURE 73 Blower Off



FIGURE 74 Blower at HI

#### **CHILD PROOF FUNCTION**

This function will lock the keys to avoid unsupervised operation.

- 1. Press the MODE and UP keys at the same time.
- 2. To de-activate this function, press the MODE and UP keys at the same time.

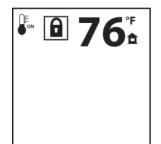


FIGURE 75

#### **NIGHT LIGHT™**

The auxiliary function controls the AUX power outlet on the Control Module which controls the NIGHT LIGHT  $^{\rm TM}$ .

- 1. Use the Mode Key to guide you to the AUX icon.
- 2. Pressing the Up Arrow Key will activate the NIGHT LIGHT™.
- 3. Pressing the Down Arrow Key will turn the NIGHT LIGHT™ off.

A single "beep" will confirm the reception of the command.





FIGURE 76

FIGURE 77

#### **LOW BATTERY / MANUAL BYPASS**

The life span of the remote batteries depends on various factors: quality of the batteries, the number of ignitions, the number of changes to the room thermostat set point, etc.

When the transmitter batteries are low, a Battery Icon will appear on the LCD display before all battery power is lost. When the batteries are replaced this Icon will disappear.

Not applicable when plugged into 110V.

When the receiver batteries are low, no "beep" will be emitted from the receiver when it receives an ON/ OFF command. This is an alert for the receiver that there's low battery. When the batteries are replaced the "beep" will be emitted from the receiver when the ON/OFF Key is pressed.

If the batteries of the receiver or transmitter are low, the appliance can be turned on manually by sliding the three position slider switch on the receiver to the "ON" position. This will bypass the remote control feature and the appliance main burner will come on if the gas valve is in the "ON" position.

N/ d the ture

FIGURE 78

#### IN THE EVENT OF A POWER FAILURE

Refer to remote operation when communications between receiver and transmitter have been lost.

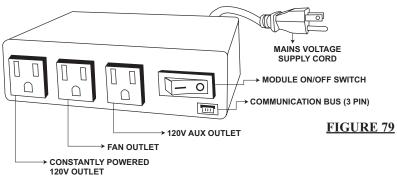
If the receiver is equipped with batteries they will enable the on/off or thermostat function to control the fireplace during a power failure. If the receiver is not equipped with back up batteries the blower and night light™ features will not operate during a power failure.

The receiver will emit a "beep" sound to confirm programming has been successful once power is restored.

#### **CONTROL MODULE**

Control Module (CM) offers the added ability to control the fan speed through six (6) speeds, a remotely actuated 120V AUX outlet for the night light™ and a constantly powered 120V outlet.

NOTE: Control module ON/OFF switch should always be in the "ON" position. If for any reason the module is turned "OFF", the components plugged into the module won't have power.



#### OPERATING INSTRUCTIONS

When lit for the first time, the fireplace will emit a slight odour for a few hours. This is a normal temporary condition caused by the "burn-in" of paints and lubricants used in the manufacturing process and will not occur again. Simply open a window to sufficiently ventilate the room.

After extended periods of non-operation such as following a vacation or a warm weather season, the fireplace may emit a slight odour for a few hours. This is caused by dust particles in the heat exchanger burning off. Open a window to sufficiently ventilate the room.

Purge all gas lines with the glass door of the fireplace open. Assure that a continuous gas flow is at the burner before closing the door.

#### FOR YOUR SAFETY READ BEFORE LIGHTING:

- A. This fireplace is equipped with a pilot which must be lit by hand while following these instructions exactly.
- **B.** Before operating smell all around the fireplace area for gas and next to the floor because some gas is heavier than air and will settle on the floor.
- **C.** Use only your hand to turn the gas control knob / manual shut-off knob. Never use tools. If the knob will not turn by hand, do not try to repair it. call a qualified service technician. force or attempted repair may result in a fire or explosion.
- **D.** Do not use this fireplace if any part has been under water. immediately call a qualified service technician to inspect the fireplace and replace any part of the control system and any gas control which has been under water.

#### WHAT TO DO IF YOU SMELL GAS

- · Do not touch any electric switch.
- · Do not use any phone in your building.
- If you cannot reach your gas supplier, call the fire department.

FIGURE 80



Turn off all gas to the fireplace.

• Do not try to light any appliance.

• Immediately call your gas supplier from a neighbor's phone. Follow the gas supplier's instructions.

#### LIGHTING INSTRUCTIONS

**Warning:** if you do not follow these instructions exactly, a fire or explosion may result causing property damage, personal injury or loss of life. Initial lighting of the pilot and main burners must be done with the glass door off.

Do not connect valve or wall switch to electricity. See installation instructions.

When lighting and re-lighting, the gas knob cannot be turned from pilot to off unless the knob it depressed slightly.

- 1. STOP! read the safety information on the operating label.
- 2. Turn off all electric power to the fireplace.
- 3. Turn the gas knob clockwise to off.
- **4.** Wait 5 minutes to clear out any gas. If you smell gas, including near the floor, STOP! Follow "B" on the operating label. If you don't smell gas, go to the next step.
- **5.** If the fireplace is equipped with a flame adjustment valve, turn clockwise to off.
- 6. Find pilot located infront of the back log on the right side.
- 7. Turn gas knob counter-clocwise to pilot.
- 8. This unit is equipped with an auto-spark. Depress and hold gas knob. Keep knob fully depressed for one minute, then release. If pilot does not continue to burn repeat steps 3 through 7.
- 9. With pilot lit, turn gas knob counter-clockwise to on.
- **10.** If equipped with flame adjustment valve, push and turn knob to high.
- **11.** If equipped with remote on-off switch, main burner may not come on when you turn the valve to on or high. Remote switch must be in the on position to ignite burner.

FIGURE 81

PILOT SCREW

12. Turn on all electric power to the fireplace.

#### **TO TURN OFF GAS**

- 1. Turn off all electric power to the fireplace if service is to be performed.
- 2. For a complete shut-down procedure: push in gas control knob slightly and turn clockwise to off. Do not force.
- 3. For a temporary shut-down procedure: set thermostat to lowest setting or remote switch to off. Press and turn the gas knob clockwise 
  to pilot.

#### **MAINTENANCE**

#### TURN OFF THE GAS AND ELECTRICAL POWER BEFORE SERVICING THE FIREPLACE.

**CAUTION:** Label all wires prior to disconnection when servicing controls. Wiring errors can cause improper and dangerous operation. Verify proper operation after servicing. This fireplace and its venting system should be inspected before use and at least annually by a qualified service person. The fireplace area must be kept clear and free of combustible materials, gasoline or other flammable vapors and liquids. The flow of combustion and ventilation air must not be obstructed.

- 1. In order to properly clean the burner and pilot assembly, remove the logs to expose both assemblies.
- 2. Keep the control compartment, logs, burner, air shutter opening and the area surrounding the logs clean by vacuuming or brushing, at least once a year.
- 3. Check to see that all burner ports are burning. Clean out any of the ports which may not be burning or are not burning properly.
- **4.** Check to see that the pilot flame is large enough to engulf the thermocouple and thermopile and reaches toward the burner with the third jet.
- 5. Replace the cleaned logs.
- **6.** Check to see that the main burner ignites completely on all openings when the gas knob for the burner is turned on. A 5 to 10 second total light-up period is satisfactory. If ignition takes longer, consult your Authorized dealer / distributor.
- 7. Check that the gasketing on the sides, top and bottom of the door is not broken or missing. Replace if necessary.

#### **ADJUSTMENTS**

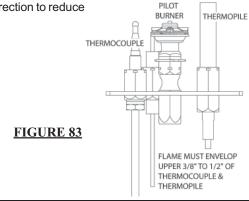
#### **PILOT BURNER ADJUSTMENT**

PILOT

KNOB

Adjust the pilot screw to provide properly sized flame. Turn in a clockwise direction to reduce the gas flow.

FIGURE 82

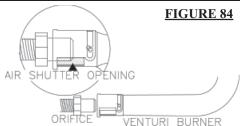


#### **VENTURI ADJUSTMENT**

PILOT

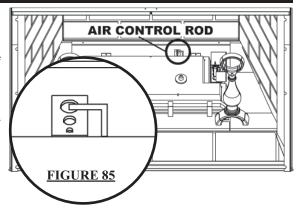
Air Shutte	er Openings
LP	<sup>3</sup> / <sub>8</sub> "
NG	<sup>3</sup> / <sub>16</sub> "

Closing the air shutter will cause a more yellow flame, but can lead to carboning. Opening the air shutter will cause a more blue flame, but can cause flame lifting from the burner ports. The flame may not appear yellow immediately; allow 15 to 30 minutes for the final flame color to be established.



#### **AIR CONTROL ROD ACCESS**

- 1. Remove the glass door.
- 2. Remove the logs.
- **3.** Remove the air deflector / light housing (It is not necessary to disconnect the wires. The assembly can lay along the right side of the firebox).
- **4.** The air control rod can now be adjusted. Pushing the rod towards the back will open the air shutter (larger hole, larger opening), pulling the rod towards the front will close the shutter (smaller hole, smaller opening).



#### REPLACEMENTS

Contact your dealer for questions concerning prices and availability of replacement parts. Normally all parts can be ordered through your Authorized dealer or distributor.

When ordering replacement parts always give the following information:

FOR WARRANTY REPLACEMENT PARTS, A PHOTOCOPY OF THE ORIGINAL INVOICE WILL BE REQUIRED TO HONOUR THE CLAIM.

\* IDENTIFIES ITEMS WHICH ARE NOT ILLUSTRATED. FOR FURTHER INFORMATION, CONTACT YOUR AUTHORIZED DEALER.

#### 1. Model & Serial Number of Fireplace

- 2. Installation date of fireplace
- 3. PART NUMBER
- 4. DESCRIPTION OF PART
- 5. FINISH

## **WARNING**

FAILURE TO POSITION THE PARTS IN ACCORDANCE WITH THESE DIAGRAMS OR FAILURE TO USE SPECIFICALLY APPROVED WITH THIS APPLIANCE MAY RESULT IN PROPERTY DAMAGE OR PERSONAL INJURY.

#### REPLACEMENT PARTS

	KE	PLACEMENT PARTS
#	PART NO.	DESCRIPTION
1	W135-0205	#1 - REAR LOG
2	W135-0206	#2 - MIDDLE LOG - NG
3	W135-0207	#3 - RIGHT LOG
4	W135-0208	#4 - LEFT LOG
5	W135-0218	#5 - CROSSOVER LOG
6	GL-644	LOG SET ASSEMBLY - NG
7	GL-647	LOG SET ASSEMBLY - LP
8	W135-0221	#2 - MIDDLE LOG - LP
9*	W390-0002	DOOR LATCH (EA)
10	W725-0047	NATURAL GAS VÁLVE - MODULATING
10	W725-0048	PROPANE GAS VALVE - MODULATING
11	W455-0024	#30 NATURAL GAS ORIFICE
11	W455-0042	#49 PROPANE GAS ORIFICE
12	W680-0014	THERMOCOUPLE**
13	W240-0005	ELECTRODE c/w LEAD
14	W680-0015	THERMOPILE
15	W010-1194	NATURAL GAS PILOT ASSEMBLY
15	W010-1201	PROPANE GAS PILOT ASSEMBLY
16	W455-0070	NG PILOT INJECTOR
16	W455-0068	LP PILOT INJECTOR
17*	W385-0245	NAPOLEON® LOGO
18*	W562-0037	DOOR GASKET (132")
19	W010-1800	FIRESTOP
20	W010-1202	BURNER
21	W062-0010	BLOWER
22	W660-0041	SPARK SWITCH
23	W660-0071	REMOTE TRANSMITTER
24	W660-0070	REMOTE RECEIVER
25	W190-0017	DC SPARK UNIT CONTROL
26*	W715-0629	CAST IRON TRIM
27	W185-0020	CAST GRATE
28	W010-1342	DOOR WELD ASSEMBLY
29*	W010-1289	GLASS c/w GASKET
30	W565-0078	SCREEN
	W290-0091	BLOWER MOUNTING GASKET
32*	W120-0054	CURTAIN ROD CAP
33	W500-0206	TERMINAL EXTENSION PLATE
34	W290-0099	ACCESS DOOR GASKET
35	W300-0086	NIGHT LIGHT™ GLASS
36	W387-0006	NIGHT LIGHT™ LAMP
37	W750-0178	NIGHT LIGHT™ WIRE HARNESS
38	W290-0080	NIGHT LIGHT™ LENSE GASKET

## **A**WARNING

**CONTROL MODULE** 

\*\* THIS IS A FAST ACTING THERMOCOUPLE. IT IS AN INTEGRAL SAFETY COMPONENT. REPLACE ONLY WITH A FAST ACTING THERMOCOUPLE SUPPLIED BY WOLF STEEL LTD.

#### **FLEXIBLE VENT KITS**

#### **GD420 (5 FT)**

40\* W010-0772 5" FLEX VENT PIPE - (5 FT) c/w SPACERS 40\* W730-0012 8" FLEX VENT PIPE - (5 FT)

#### **GD430 (10 FT)**

W573-0007

40\* W730-0013 8" FLEX VENT PIPE - (10 FT)
40\* W010-0773 5" FLEX VENT PIPE
- (10 FT) c/w spacers

#### TERMINAL KITS

41\* W010-0810 WALL SUPPORT ASSEMBLY 42 GD401 PERISCOPE

#### **ROOF TERMINAL KITS**

43	GD422R	WALL TERMINAL KIT
44	GD410	1/12 TO 7/12 PITCH
45	GD411	8/12 TO 12/12 PITCH
46	GD412	FLAT ROOF
47	W670-0007	5/8 AIR TERMINAL
48	W490-0074	5/8 INNER/OUTER SLEEVE
49	W170-0086	STORM COLLAR
50	W010-0453	ROOF SUPPORT
51	W263-0065 /	ROOF FLASHING, FLAT
	W263-0066 /	1/12 TO 7/12
	W263-0055	8/12 TO 12/12

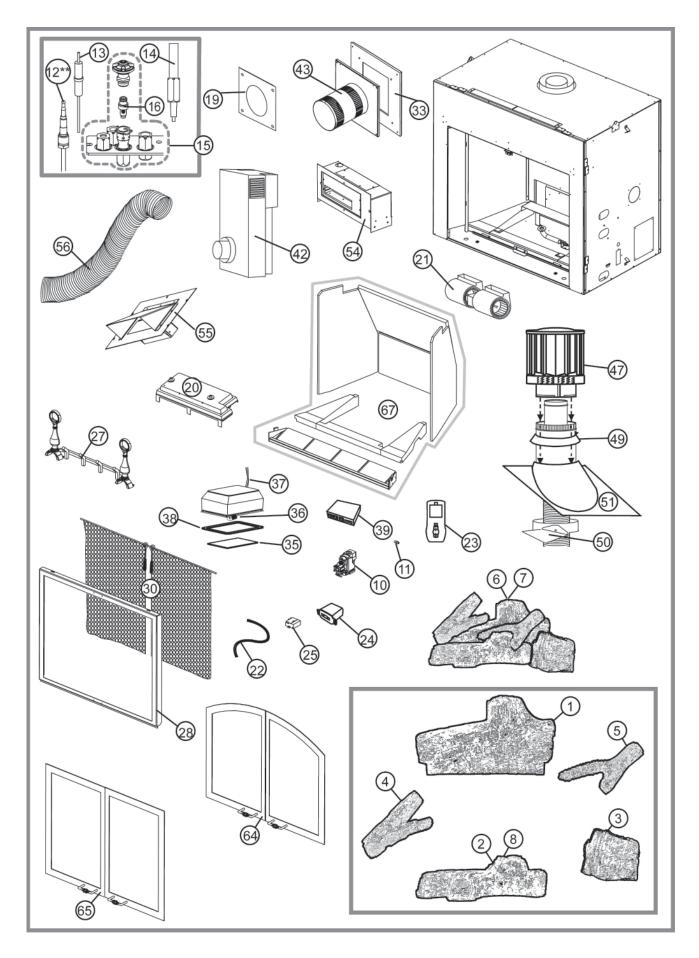
#### **ACCESSORIES**

HI-TEMP SEALANT

53*	GD501	HEAT GUARD
54	GA-566	HOT AIR DISTRIBUTION KIT
55	GA-72	HOT AIR EXHAUST KIT
56	GA-70	EXTENSION KIT, 5FT FLEX VENT
57*	W010-0370	WALL SUPPORT ASSEMBLY
58*	W175-0166	5" COUPLER
59*	W175-0002	8" COUPLER
60*	W175-0260	CONVERSION KIT - NG TO LP
61*	W175-0261	CONVERSION KIT - LP TO NG
62	FK80-R	FRAMING KIT - RECTANGULAR
63	FK80-A	FRAMING KIT - ARCHED
64	DK80A-HC	DECORATIVE DOORS-HAMMERED COPPER-ARCHED
65	DK80R-HC	DECORATIVE DOORS-HAMMERED COPPER-RECTANGULAR
64	DK80A-HP	DECORATIVE DOORS-HAMMERED PEWTER-ARCHED
65	DK80R-HP	DECORATIVE DOORS-HAMMERED PEWTER-RECTANGULAR
66	GD800-KT	OLD TOWN RED BRICK KIT
67	GD806-KT	HERRINGBONE/SANDSTONE BRICK KIT
67	GD807-KT	SANDSTONE BRICK KIT
67	PRP80	PORCELAIN REFLECTIVE PANELS BRICK KIT

W660-0069

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# **TROUBLE SHOOTING GUIDE**

BEFORE ATTEMPTING TO TROUBLESHOOT, PURGE YOUR UNIT AND INITIALLY LIGHT THE PILOT AND THE MAIN BURNER WITH THE GLASS DOOR OPEN.

SYMPTOM	PROBLEM	TEST SOLUTION
Main burner flame is a blue, lazy, trans-	Blockage in vent.	- remove blockage. In really cold conditions, ice buildup may occur on the terminal and should be removed as required.
parent flame.	Incorrect installation.	- refer to Figure 13 to ensure correct location of storm collars.
Flames are consistently too large or too small. Carboning occurs.	Unit is over-fired or under-fired.	- check pressure readings: Inlet pressure can be checked by turning screw (A) counter-clockwise 2 or 3 turns and then placing pressure gauge tubing over the test point. Gauge should read 7" (minimum 4.5") water column for natural gas or 13" (11" minimum) water column for propane. Check that main burner is operating on "HI". Outlet pressure can be checked the same as above using screw (B). Gauge should read 3.5" water column for natural gas or 10" water column for propane. Check that main burner is operating on "HI". AFTER TAKING PRESSURE READINGS, BE SURE TO TURN SCREWS CLOCKWISE FIRMLY TO RESEAL. DO NOT OVERTORQUE. Leak test with a soap and water solution.
Carbon is being	Air shutter has become blocked	- ensure air shutter opening is free of lint or other obstructions.
deposited on glass, logs or combustion chamber surfaces.	Flame is impinging on the logs or combustion chamber.	<ul> <li>check that the logs are correctly positioned.</li> <li>open air shutter to increase the primary air.</li> <li>check the input rate: check the manifold pressure and orifice size as specified by the rating plate values.</li> <li>check that the door gasketing is not broken or missing and that the seal is tight.</li> <li>check that both 4" and 7" vent liners are free of holes and well sealed at all joints.</li> <li>check that minimum rise per foot has been adhered to for any horizontal venting.</li> </ul>
White / grey film forms.	Sulphur from fuel is being deposited on glass, logs or combustion chamber surfaces.	<ul> <li>clean the glass with a gas fireplace glass cleaner. DO NOT CLEAN GLASS WHEN HOT.</li> <li>If deposits are not cleaned off regularly, the glass may become permanently marked.</li> </ul>
Exhaust fumes smelled in room, headaches.	Fireplace is spilling.	<ul><li>check door seal and relief flap seal.</li><li>check for chimney blockage</li><li>check that the paint curing process is complete</li></ul>
Pilot goes out when	System is not correctly purged.	- purge the gas line with the glass door open.
the gas knob is	Out of propane gas.	- fill the tank.
released. The gas valve	Pilot flame is not large enough	- turn up the pilot flame.
has an interlock device which will	Pilot flame is not engulfing the thermocouple.	<ul> <li>gently twist the pilot head to improve the flame pattern around the thermo- couple.</li> </ul>
not allow the pilot burner to be lit until the thermocouple has cooled. Allow	Thermocouple shorting / faulty.	<ul> <li>loosen and tighten thermocouple.</li> <li>clean thermocouple and valve connection.</li> <li>replace thermocouple.</li> <li>replace valve.</li> </ul>
approximately 60 seconds for the thermocouple to cool.	Faulty valve.	- replace.
Pilot burning; no gas	Thermostat or switch is defec-	- connect a jumper wire across the wall switch terminals; if main burner
to main burner; gas knob is on 'HI'; wall switch / thermostat	tive. Wall switch wiring is defective.	lights, replace switch / thermostat.  - disconnect switch wires &connect a jumper wire across terminals 1 & 3; if the main burner lights, check the wires for defects and / or replace wires.
is on.	Main burner orifice is plugged.	- remove stoppage in orifice.
	Faulty valve.	- replace.
Pilot goes out while standing; Main burner is in 'OFF' position.	Gas piping is undersized.	<ul> <li>turn on all gas appliances and see if pilot flame flutters, diminishes or extinguishes, especially when main burner ignites. Monitor appliance supply working pressure.</li> <li>check if supply piping size is to code. Correct all undersized piping.</li> </ul>

SYMPTOM	PROBLEM	TEST SOLUTION
Pilot will not light.  Pilot will not light.  THERMOCOURLE  THERMOCOURLE	No spark at pilot burner	- check if pilot can be lit by a match - check that the wire is connected to the spark module ignitor check if the push button ignitor needs tightening replace the wire if the wire insulation is broken or frayed replace the electrode if the ceramic insulator is cracked or broken replace the spark module batteries (AAA).
	out of propane gas	- fill the tank.
	Spark gap is incorrect	- spark gap should be 0.150" to 0.175" (5/32" to 11/64" approx.) from the electrode tip and the pilot burner. To ensure proper electrode location, tighten securing nut (finger tight plus 1/4 turn).
	No gas at the pilot burner	<ul> <li>check that the manual valve is turned on.</li> <li>check the pilot orifice for blockage.</li> <li>replace the valve.</li> <li>call the gas distributor.</li> </ul>
Main burner goes out; pilot stays on.	Pilot flame is not large enough or not engulfing the thermopile	- turn up pilot flame. - replace pilot assembly.
	Thermopile shorting	- clean thermopile connection to the valve. Reconnect replace thermopile / valve.
	Remote wall switch wire is too long; too much resistance in the system.	- shorten wire to correct length or wire gauge.
	Faulty thermostat or switch.	- replace.
Main burner goes	Refer to "MAIN BURNER GOES	
out; pilot goes out.	Vent is blocked	- check for vent blockage.
	Vent is re-circulating	- check joint seals and installation.
	4" flexible vent has become disconnected from fireplace.	- re-attach to fireplace.
Remote wall switch is in "OFF" position;	Wall switch is mounted upside down	- reverse.
main burner comes on when gas knob is turned to "ON"	Remote wall switch is grounding.	- replace.
position.	Remote wall switch wire is grounding.	- check for ground (short); repair ground or replace wire.
	Faulty valve.	- replace.

		Wolf Steel Firep	Wolf Steel Fireplace Service History This fireplace must be serviced annually depending on usage.	
Date	Dealer Name	Service Technician Name	Service Performed	Special Concerns

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