

# Installation & Maintenance Manual



**MONTIGO**<sup>®</sup>  
the art of **fireplaces**

## H34 Series INDOOR GAS FIREPLACE

**H34** 18,000 BTU/hr Natural Gas or Propane Gas

**HLB34** 18,000 BTU/hr Natural Gas or Propane Gas

**HLB34-2** 18,000 BTU/hr Natural Gas or Propane Gas



- The installation of this fireplace must be done by a qualified and certified gas appliance installer.
- Check local codes and read all instructions prior to installation.

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

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

## **⚠ DANGER**



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

A barrier designed to reduce the risk of burns from the hot viewing glass is provided with this appliance and shall be installed for the protection of children and other at-risk individuals.

## NOTICE

**Installer:** Leave this manual with the appliance.  
**Consumer:** Retain this manual for future reference.

## **⚠ CAUTION**

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

## **⚠ DANGER**

Read and understand this manual. Improper installation, adjustment, alteration, service or maintenance can cause serious injury, property damage or even death. For assistance or additional information consult a qualified installer, service agency or the gas supplier.

## Safety Alert Key

### DANGER

Indicates a hazardous situation which, if not avoided, **WILL** result in death or serious injury or property damage.

### WARNING

Indicates a hazardous situation which, if not avoided, **COULD** result in death or serious injury or property damage.

### CAUTION

Indicates a hazardous situation which, if not avoided, **WILL** result in minor or moderate injury.

### NOTICE

Indicates practices that are important, but not related to personal injury.

## Introduction

### Congratulations on your purchase of a Montigo Fireplace.

With over 30 years of experience, Montigo is committed to providing you with a gas fireplace that is not only a beautiful addition to your space, but that is also designed and manufactured to the highest safety, reliability and engineering standards.

We strongly encourage you to read and carefully follow the instructions laid out in this Installation, Operation and Maintenance Manual and retain it for your future reference. Pay special attention to all cautions, warnings, and notices throughout this manual intended to ensure your safety.

This manual covers installation, operation and maintenance. Lighting, operation and care of this fireplace can be easily performed by the homeowner. All installation and service work should be performed by a qualified or licensed installer, plumber or gas fitter as certified by the state, province, region or governing body where the fireplace is being installed.

This installation, operation and maintenance manual is applicable to the models described in Table 1. Refer to your rating plate to verify included options.

MODEL	Natural Gas	Propane	Gas Rating (BTU hr)	Traditional Burner /Logset	Linear Burner w/ Glass Accessories	Standing Pilot Ignition	SIT Electronic Ignition
H34DFN	X		18,000	X		X	
H34DFNI	X		18,000	X			X
H34DFL		X	18,000	X		X	
H34DFLI		X	18,000	X			X
HLB34DFNI	X		18,000		X		X
HLB34DFLI		X	18,000		X		X
HLB34DFNI-2	X		18,000		X		X
HLB34DFLI-2		X	18,000		X		X

Figure 1 H34 Specifications

### Warranty and Installation Information: (See Appendix B)

The Montigo warranty will be voided by, and Montigo disclaims any responsibility for, the following actions:

- Modification of the fireplace and/or components including Direct-Vent assembly or glass doors.
- Use of any component part not manufactured or approved by Montigo in combination with this Montigo fireplace system.
- Installation other than as instructed in this manual.
- Consult your local Gas Inspection Branch on installation requirements for factory-built gas fireplaces. Installation & repairs should be done by a qualified contractor.

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## Section A: Before You Begin

### IMPORTANT MESSAGE: SAVE THESE INSTRUCTIONS

The H\*34DF\* Series fireplaces must be installed in accordance with these instructions. Carefully read all the instructions in this manual first. Consult the Local Gas Branch to determine the need for a permit prior to starting the installation. It is the responsibility of the installer to ensure this fireplace is installed in compliance with the manufacturers instructions and all applicable codes.

### NOTICE

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

### NOTICE

Due to high temperatures, the appliance should be located out of traffic and away from furniture and draperies

### NOTICE

Children and adults should be alerted to the hazards of high surface temperature and should stay away to avoid burns or clothing ignition

### NOTICE

A barrier designed to reduce the risk of burns from the hot viewing glass is provided with this appliance and shall be installed for the protection of children and other at-risk individuals

## Installation Checklist

- Determine the desired install location of your fireplace.
- See Section 1, Dimensions on Page 7, and refer to the Framing Section 2 for details.
- Select the location of your termination and resulting vent run.
- Your selected termination location must be the highest point in the Direct Vent installation.
- Should it be impossible to meet the venting requirements laid out in Section 3: Venting, please contact a local Montigo dealer regarding the use of a Montigo Power Vent.
- Lay out the Vent run; calculating the required elbows and straight runs of 4"/7" flex and/or rigid pipe.
- Layout Electrical Requirements Refer to Section 4: Wiring, for Details.
- Refer to Section 5: Installing the Gas Line, for details on the gas connection and access.
- Refer to local codes and guidelines for installation requirements.
- Installation and repairs should be done by a qualified contractor and must conform to:
  - Installations in Canada must conform to the local codes or in the absence of local codes to the current version of Natural Gas and Propane Installation Code, CSAB149. Electrical installations must conform to the local codes or, in the absence of local codes, to the current version of Canadian Electrical Code, CSA C22.1.1
  - Installations in the USA must conform to the local codes or in the absence of local codes to the current version of National Fuel Gas Code, ANSI Z223.1/NFPA 54. Electrical installations must conform to the local codes or, in the absence of local codes, to the current version of the National Electrical Code, ANSI/NFPA 70. See Appendix C for installation within the State of Massachusetts

### NOTICE

Clothing or other flammable material should not be placed on or near the appliance

### NOTICE

Installation and repair should be done by a qualified service person. The appliance should be inspected before use and at least annually by a professional service person. More frequent cleaning might be required due to excessive lint from carpeting, bedding material, etc. It is imperative that control compartments, burners, and circulating air passageways of the appliance be kept clean




## Standard Installation Checklist

This standard installation checklist is to be used by the installer in conjunction with, not instead of, the instructions contained within this installation manual.

Customer _____	Date Installed: _____
Install Address: _____	Location of Fireplace: _____
_____	Installer: _____
Model (circle one): H34DF, HLB34DF, HLB34DF-2	Dealer Phone: _____
	Serial #: _____

	YES	NO	IF NO, WHY NOT?
<b>Appliance Install: Section 2</b>			
Framing complies with install manual.			
Standoffs have been installed.			
Proper clearances have been maintained.			
<b>Venting: Section 3</b>			
Venting configuration complies with vent diagrams.			
Venting installed, fastened, and secured in place maintaining proper clearance.			
Firestops installed.			
Exterior wall/roof flashing installed and sealed in compliance with local building code.			
Terminations installed and sealed in compliance with local building code.			
Direct vent termination is highest point in vent assembly.			
<b>Wiring/Electrical: Section 4</b>			
Unswitched power provided to the appliance PPO box.			
Low voltage wire connected to dry contact wall switch (non-powered)			
<b>Gas: Section 5</b>			
Proper appliance for fuel type.			
Was a conversion performed?			
Leak check performed & inlet pressure verified.			
<b>Finishing: Section 6</b>			
Only non-combustible materials installed in non-combustible areas.			
Clearances meet installation manual requirements			
Mantels and/or projections comply with install manual			
<b>Appliance Setup: Section 7 through 9</b>			
Media, door, and screen installed according to install manual			
Manual given to home owner.			
Started appliance and verified no gas leaks exist.			
<b>Comments:</b>			

## Rating Plate Sample

**Do Not Remove This Label**  
N'enlevez Pas Cette Étiquette

**Type:**

**Vented Gas Fireplace Heater**

Not for use with solid fuel. / Pas pour l'usage avec le combustible solide.

Not for use with air filters. / Pas pour l'usage avec des filtres à air.

H34DF-F

Serial No.: 2-170911-000000

Manufacturer / Fabricant: Canadian Heating Products Inc., Langley BC, (www.montigo.com)  
Montigo DeRay Corp., Ferndale, WA, (www.montigo.com)

Tested To / Examiné À: ANSI Z21.88-2016 / CSA 2.33-2016

Electrical Rating / Estimation Électrique: With Elec. Ign or Fans, 115V / 1 Ph, 60 Hz/less than 12A

Altitude Rating / Estimation D'Altitude: N & H (0 - 4500 ft. / 0 - 1371 m.)

Fuel Type / Type De Carburant:

☒ Natural Gas / Gaz Naturel

☐ Propane / Gaz Propane

**For Indoor Use Only**

**\*Clearance to Combustibles**  
\*Dégagements Aux Combustibles

Sides/Côtés: 1"

Back/Derrière: 2"

Top-Top Vent/Du Haut-Évent Du Haut: 17 1/2"

Top-Rear Vent/Du Haut-Évent Arrière: 9"

Floor/Plancher: 0"

Mantle/Manteau: 6"

Recess Depth/ Profondeur D'Encadrement: 20"




**FOR USE WITH GLASS DOORS AND SCREENS CERTIFIED WITH THE APPLIANCE ONLY**

Pour utilisation avec portes de verre and écrans de certifiés avec l'appareil seulement

**\*Refer to installation manual for more information.**

\*Référez-vous au manuel d'installation pour plus d'information.

Figure 1.2 Rating Plate for IPI electronic ignition

**Do Not Remove This Label**  
N'enlevez Pas Cette Étiquette

**Type:**

**Vented Gas Fireplace Heater**

Not for use with solid fuel. / Pas pour l'usage avec le combustible solide.

Not for use with air filters. / Pas pour l'usage avec des filtres à air.

H34DF

Serial No.: 2-170911-000000

Manufacturer / Fabricant: Canadian Heating Products Inc., Langley BC, (www.montigo.com)  
Montigo DeRay Corp., Ferndale, WA, (www.montigo.com)

Tested To / Examiné À: ANSI Z21.88-2016 / CSA 2.33-2016

Electrical Rating / Estimation Électrique: With Elec. Ign or Fans, 115V / 1 Ph, 60 Hz/less than 12A

Altitude Rating / Estimation D'Altitude: N & H (0 - 4500 ft. / 0 - 1371 m.)

Fuel Type / Type De Carburant:

☒ Natural Gas / Gaz Naturel

☐ Propane / Gaz Propane

**For Indoor Use Only**

**\*Clearance to Combustibles**  
\*Dégagements Aux Combustibles

Sides/Côtés: 1"

Back/Derrière: 2"

Top-Top Vent/Du Haut-Évent Du Haut: 17 1/2"

Top-Rear Vent/Du Haut-Évent Arrière: 9"

Floor/Plancher: 0"

Mantle/Manteau: 6"

Recess Depth/ Profondeur D'Encadrement: 20"

**FOR USE WITH GLASS DOORS AND SCREENS CERTIFIED WITH THE APPLIANCE ONLY**

Pour utilisation avec portes de verre and écrans de certifiés avec l'appareil seulement

**\*Refer to installation manual for more information.**

\*Référez-vous au manuel d'installation pour plus d'information.

Figure 1.1 Rating Plate for standing pilot (SIT)

## Section 1: Product Dimensions

Please review the Installation Checklist on Page 5 for general information on preparing for a successful installation of your fireplace.

The H\*34DF\* fireplace may be installed in any location that maintains proper clearances to air conditioning ducts, electrical wiring and plumbing. Safety, as well as efficiency of operation, should be considered when selecting the fireplace location. Select a location that does not interfere with room traffic, has adequate ventilation and offers an accessible path for Direct Vent installation.

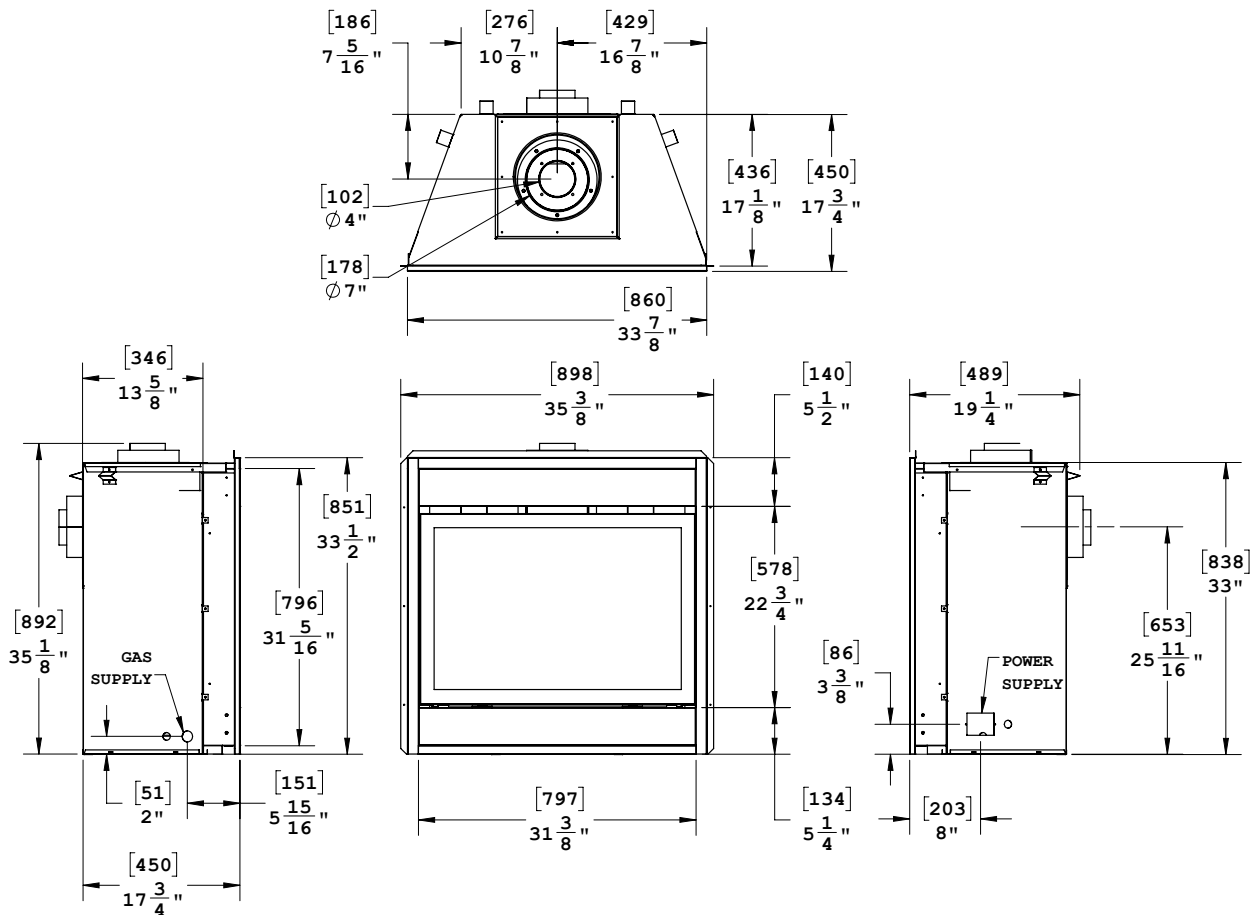


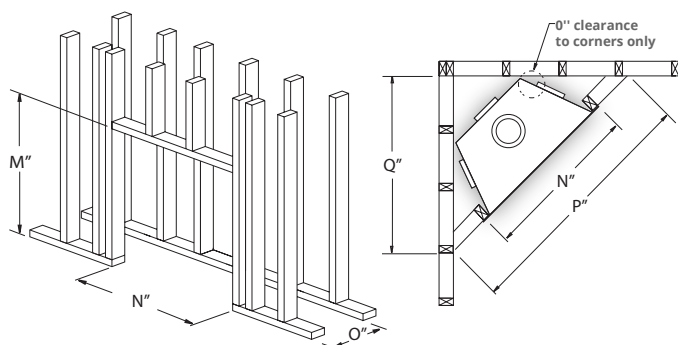
Figure 2. Fireplace dimensions (Tolerance ± 1/8").

## Section 2: Framing

### In Wall and Corner Dimensions

- 1). Frame in the enclosure for the unit with framing materials. The framed opening for the assembled fireplace is 33 7/8" wide, x 39" high x 20" deep

NOTE: When constructing the framed opening, please ensure there is access to install the gas line when the unit is installed



\* When sheetrock is not used behind the fireplace, framing depth "O" may be reduced by 5/8".

M	N	O	P	Q	R	S	T
39"	33 7/8"	20"	56 1/4"	40"	N/A	33"	43"

Figure 3. Framing dimensions (Straight wall & Corner Installation).

### ⚠ WARNING

When this appliance is installed directly on ANY combustible other than wood flooring (carpet, vinyl, etc.). It must be installed on an equivalent wood or metal panel. This material must extend the full width and depth of the appliance.

### NOTICE

Clearances must be in accordance with local installation codes and the requirements of the gas supplier

### Shelves over the fireplace

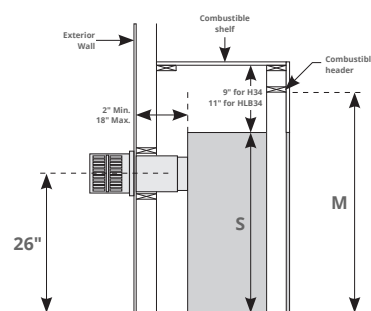


Figure 3.b Combustible Framing for shelves over the fireplace, Rear vent.

### Shelves over the fireplace, Top vent

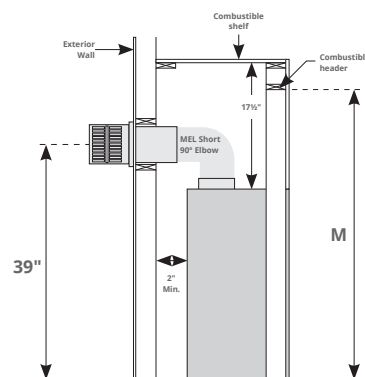


Figure 3.c Framing for shelves over the fireplace, Top vent.

### Alcove above the fireplace

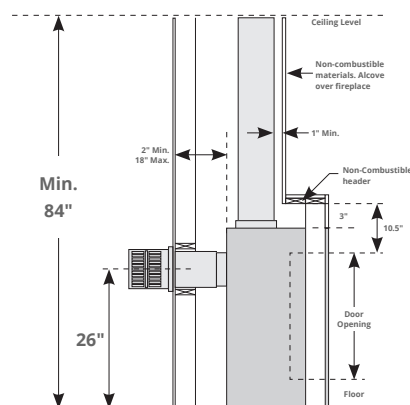


Figure 3.d Combustible Framing for shelves over the fireplace, Rear vent.

## Clearances

When installing a shelf over the top of the fireplaces, the following guidelines must be adhered to:

For Rear Vent applications, the minimum clearance is 2" from the rear of the fireplace to a wall, or any combustible materials. A clearance to combustibles of 9" for H34DF\* and a clearance to combustibles of 11" for HLB34DF\* , & HLB34DF-2 is required to the underside of any combustible shelf materials.

For Top Vent applications, the minimum clearance is 2" from the rear of the fireplace to a wall, or any combustible materials, and 17½" to the underside of any combustible shelf materials, Figure 4.

For Top or Rear Vent applications where the Minimum mantel height is required above the fireplace, (for an alcove or low profile shelf), ALL Materials MUST BE NON-COMBUSTIBLE. The minimum clearance is 2" from the rear of the fireplace to a wall, or any combustible materials. 1" clearance is maintained on sides and bottom of vent runs and 2" above horizontal vent runs to any combustible material.

MODEL	Top - Rear vent †	Top - Top vent †	Rear	Sides	Floor †	Mantel
H34DF*	9"	17½"	2"	1"	0"	See Section 6 Finishing around the fireplace
HLB34DF*	11"	17½"	2"	1"	0"	
HLB34DF*-2	11"	17½"	2"	1"	0"	

Figure 4. Combustible Wall Clearances

## Installing The Standoffs

To avoid elevated mantel temperatures, all H34 gas fireplaces are required to have the supplied standoffs installed. The fireplace is supplied with two standoffs. Bend and install these standoffs on top of the fireplace ensuring that the height of the standoff maintains a 6" clearance.

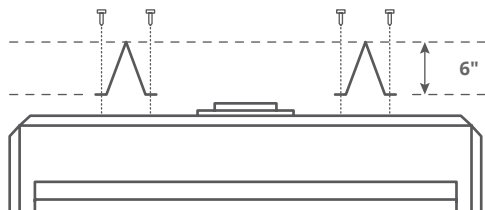


Figure 4.b Installing standoffs

## Section 3: Venting

Montigo supplies a variety of direct venting and termination options. The direct vent termination location **MUST** be selected such that it is the highest point in the venting assembly. It should also be selected such that it provides the shortest vent run possible. Should it be impossible to ensure that the termination is the highest point or to meet the venting guidelines laid out below please contact your Montigo dealer to discuss power venting options.

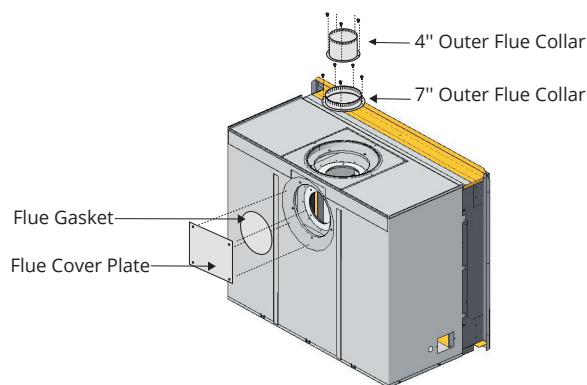
### Notes For Planning Venting:

- Venting can originate from the unit through the top or through the rear
- Venting can terminate through the roof or through an exterior wall.
- Refer to Appendix A - Termination Locations to ensure the planned termination location is acceptable.
- Once the termination location has been established, refer to the appropriate section below for installation details
- All fireplaces shipped from the factory are top vent.
- **Silicone** application is **NOT** required when joining Montigo vent pipes and components.

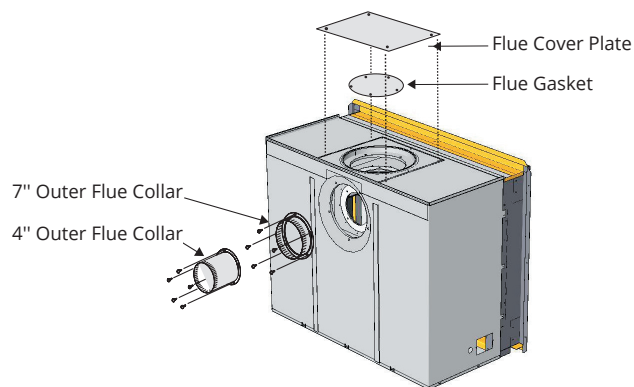
### Section 3-1: Converting to Rear Vent

Use the following instructions to convert a unit for Rear Vent use:

- Remove the Rear flue cover and gasket (4" and 7") on the flue outlet, as shown
- Next, Remove the Top flue collar's (4" and 7") on the flue outlet, as shown
- Install the (removed) Rear flue cover and gasket material, to the Top vent outlet. Fasten the cover with included hardware, as illustrated
- Install the (4" and 7") collars to the rear vent outlet using the included hardware, as illustrated



**Figure 5.** Flue cover and collar removal, Top Vented fireplace.



**Figure 5.b** Flue cover and collar installation, Rear Vented fireplace.

## NOTICE

Under no circumstances can Montigo flex venting be cut to accommodate an installation. Use an alternative length to complete your vent run.



## Section 3-2: Installing a Roof Mounted Direct Vent Termination for 4"/7" (MVTk-1)

This section applies to installations where the direct vent termination will be roof mounted.

### Section 3-2-1: Venting Layout

Selection of components and details of venting lay out should adhere to the following guidelines:

- The maximum termination point is 32' above the fireplace (NOTE: if the maximum termination height is used, the flame pattern may be affected).
- The Vertical termination must be a minimum 2' higher than where the termination exits the roofing materials, (asphalt shingles, cedar shakes, etc). This distance should be measured from the high side of the roof slope where the flue flashing intersects the roofing materials.
- Termination location must be a minimum 6' from a mechanical air inlet.
- For a more detailed diagram of allowed termination locations, see Appendix A.
- A maximum of two offsets (each offset is made up of 2-90° bends) may be made for vertical vent runs.
- Firestops must be installed as required by National & local codes.
- Ensure all horizontal runs are supported with a minimum of 3 supports per 10' of venting.
- Install all roof flashing and storm collars as shown.

#### Roof mounted terminations

The following details are some possible configurations for roof mounted terminations. See below.

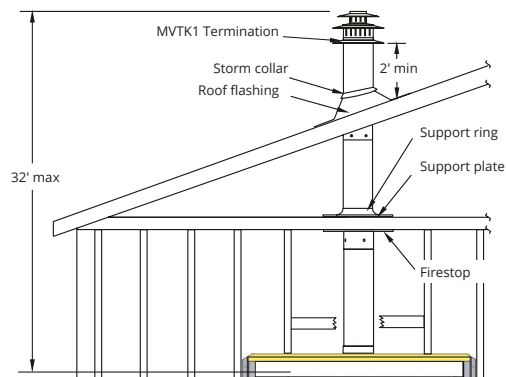


Figure 6. Top vent, roof mounted termination with no offset in vent run.

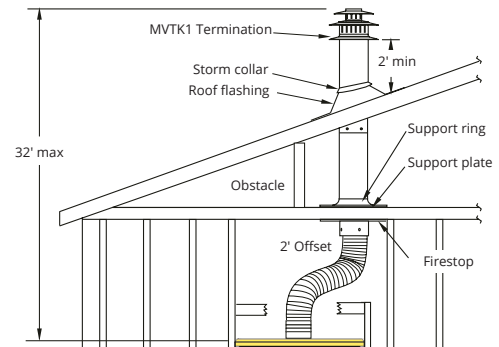


Figure 6.b Top vent, roof mounted with 1 offset (1 offset= two 90° bends).

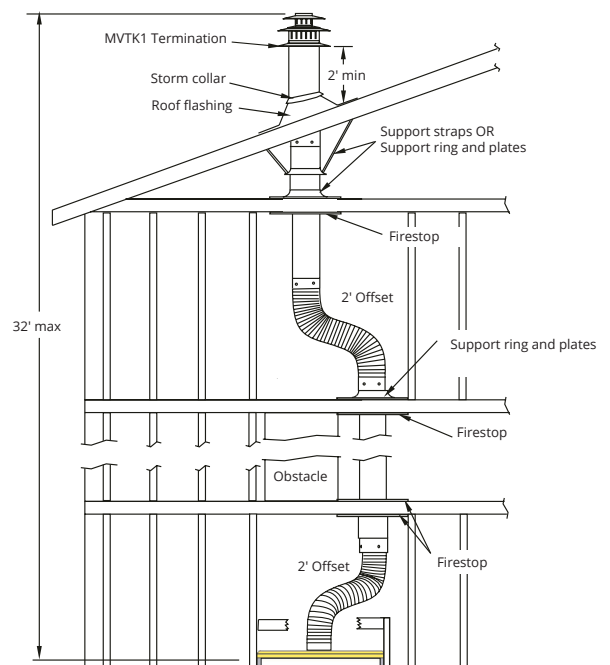
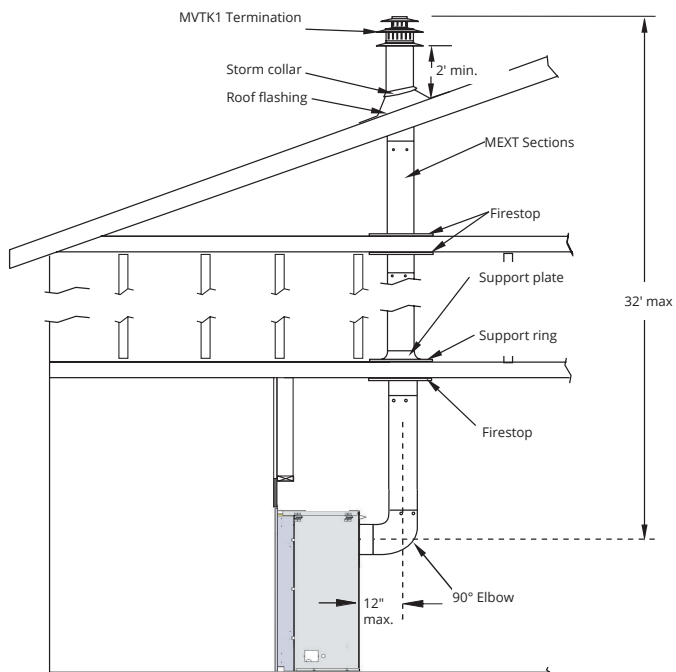


Figure 6.c Top vent, roof mounted with 2 offsets (1 offset= two 90° bends).



**Figure 6.d** Rear vent, roof mounted venting (1 = 90° bend).

## Section 3-3: Installing a Wall Mounted Termination 4"/7"

This section applies to installations where the direct vent termination will be wall mounted. **NOTE:** If subject to a highly corrosive environment i.e. Seaside, Montigo recommends using Stainless Steel Termination.

### Installation of termination with built in frame

A termination with a built-in frame is installed during framing of a structure.

1. Frame the termination opening to 11" x 11".
2. Install exterior sheathing to the structure framing.
3. Fasten the termination to the sheathing using a minimum of 4 screws.

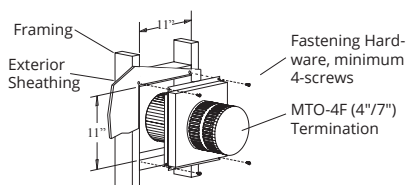


Figure 7. Installing a MTO4-F termination.

### Installation of termination frame at time of framing

Terminations with a MSR frame allow the installation of the frame prior to installation of the termination.

1. Frame the termination opening to 12" x 12".
2. Secure the MSR Frame to the exterior sheathing of the structure.
3. Fasten the termination to the MSR Frame using a minimum of 4 screws.

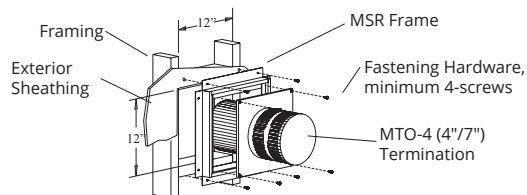


Figure 7.b Installing a PTO termination with the MSR frame.

### Installation of termination frame at time of framing in masonry

Terminations with a BSR frame allow the installation of the frame in masonry prior to the installation of the termination

1. Frame the BSR opening to 12" x 12".
2. Secure the BSR Frame to the exterior sheathing of the structure.
3. Fasten the termination to the BSR Frame using a minimum of 4 screws.

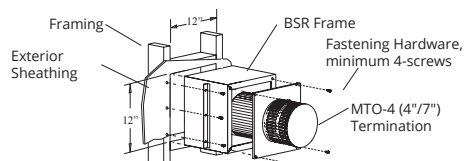


Figure 7.c Installing a MTO termination with the BSR frame.

### Installation of termination from inside structure

A Termination with a MOSR Frame is installed from the inside of the structure. These are commonly used in high-rise construction.

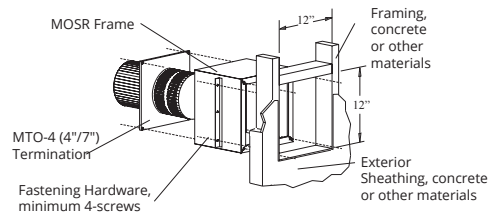


Figure 7.d Installing a MTO termination with MOSR frame.

1. Frame the MOSR opening to 12" x 12".
2. Fasten the MOSR frame to the interior side of the studs, concrete, or finished wall construction using a minimum of 4 screws.
3. Insert the termination into the MOSR frame as shown here, (from the inside) and attach to the MOSR by installing a min. quantity of 4 bolts into the threaded nuts on the MOSR Frame.

### Installation of a termination shield for vinyl siding

The VSS Termination shield is installed when the exterior of a structure is clad with Vinyl siding. It is placed directly above, and on-center with the termination.

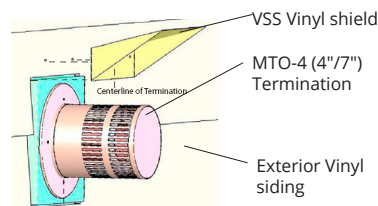


Figure 7.e Installing the VSS Vinyl Shield.

### Installing heat guards

Installing heat guards over terminations is recommended in installations where the termination is located within 7' feet above grade, or above a pedestrian walkway, and may be required by code in public areas.

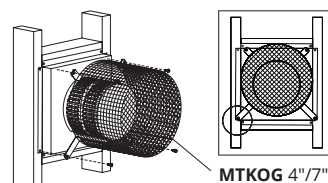


Figure 7.f Installing a MTO termination heat guard.

1. Ensure that the two long mounting brackets are facing the bottom of the termination (See inset). This will provide more heat protection at the top of the termination, where temperatures are highest.
2. Attach to the faceplate of the termination using four sheet metal screws.

## Section 3-3-1: Venting Layout: Wall Mounted Termination

### Top Venting Graph

Measure the vertical height from the fireplace hearth to the centre of the termination and the horizontal run from the fireplace flue collar to the wall flange of the termination. Plot on the Venting Graph with an 'X'. If the 'X' falls on or above the top boundary of the shaded area, the installation is acceptable.

Selection of components and details of venting layout should adhere to the following guidelines:

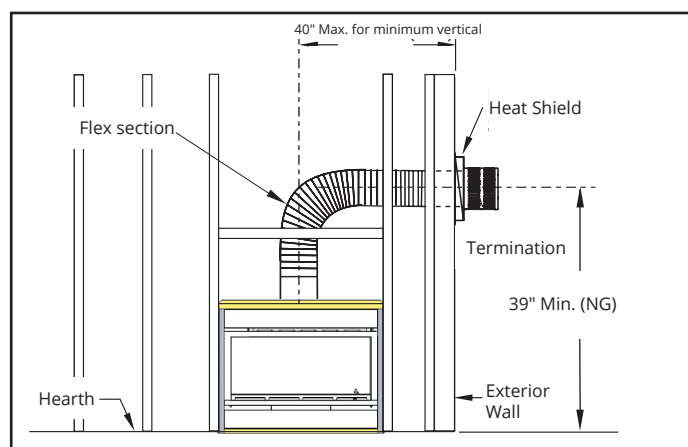
- Vent terminations must not be recessed in walls or siding.
- For Heat Shield requirements see Section 3-3.
- Once the proposed venting layout has been determined refer to graph to ensure the layout is acceptable.

#### Notes Wall Mounted Terminations: TOP VENT

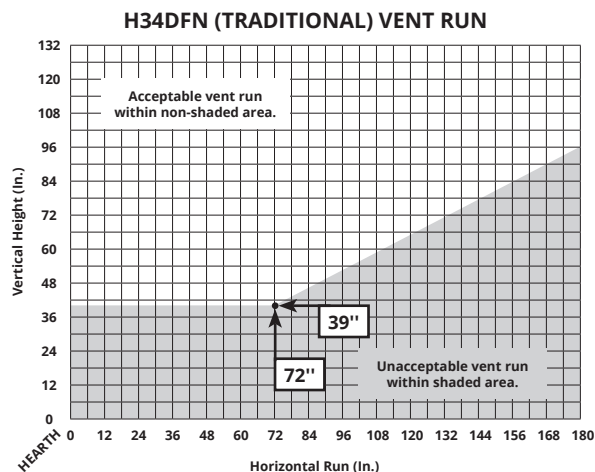
- All measurements for vertical or horizontal runs are measured from center of the vent pipe.
- Venting runs must fall within the limits set by the venting graph.

#### Wall mounted Terminations:

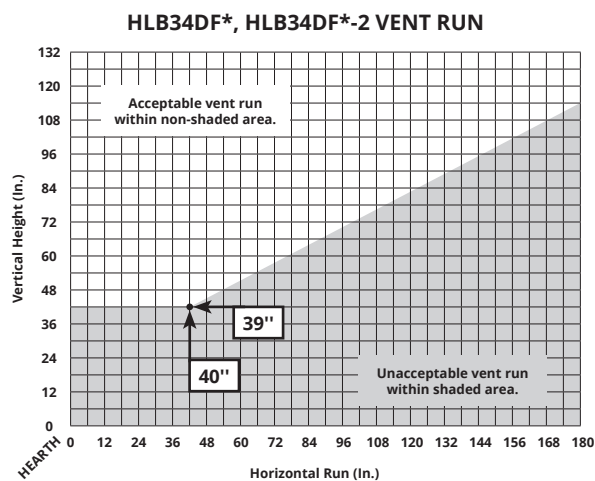
The following details are some possible configurations for Wall mounted terminations. See below.



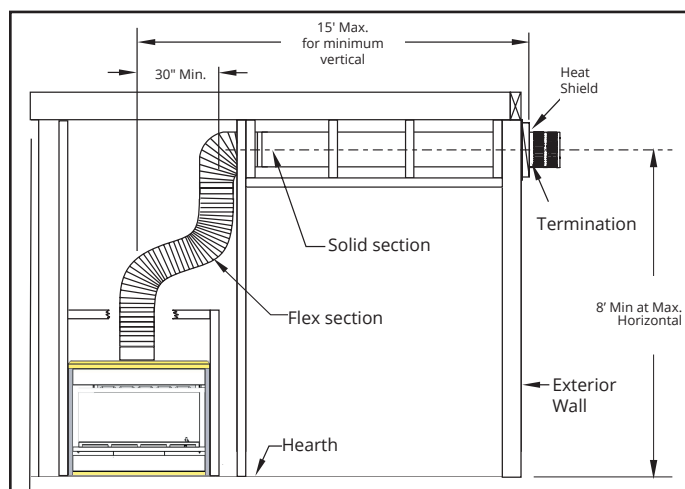
**Figure 8.** Top Vented, wall mounted installation with 1 elbow (1 one 90° bend). The vent run must comply with Venting Graph for Top vent, wall mounted terminations



**Figure 8.b** H34DFN Top Vent Venting Graph for wall mounted terminations



**Figure 8.c** H\*34DF\* Top Vent Venting Graph for wall mounted terminations



**Figure 8.d** Top Vented, wall mounted Multi-elbow installation. The vent run must comply with Venting Graph for Top vent, wall mounted terminations,

## Rear Venting Graph

Measure the vertical height from the fireplace hearth to the centre of the termination and the horizontal run from the fireplace flue collar to the wall flange of the termination. Plot on the Venting Graph with an 'X'. If the 'X' falls on or above the top boundary of the shaded area, the installation is acceptable.

### Example A: (Acceptable Installation)

If the vertical dimension from the hearth is 60" and the horizontal run to the wall flange of the vent termination is 24", this would be an acceptable installation.

### Example B: (Acceptable Installation)

If the vertical dimension from the hearth is 78" and the horizontal run to the wall flange of the vent termination is 60", this would be an acceptable installation.

### Example C: (Unacceptable Installation)

If the vertical dimension from the floor of the fireplace is 60" and the horizontal run to the wall flange of the vent termination is 120", this would NOT be an acceptable installation.

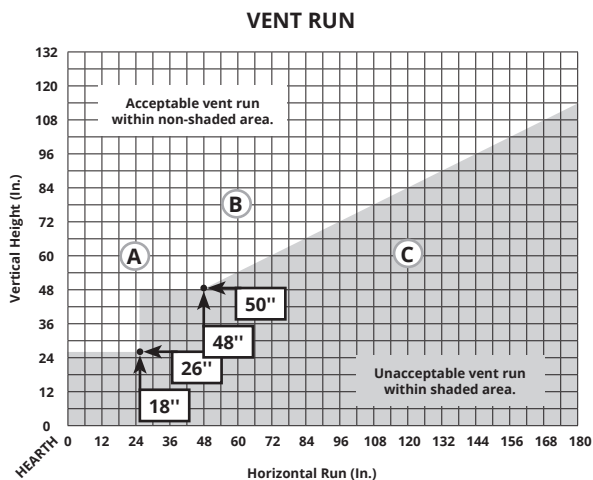


Figure 9. H\*34DF\* Rear Vent Venting Graph for wall mounted terminations

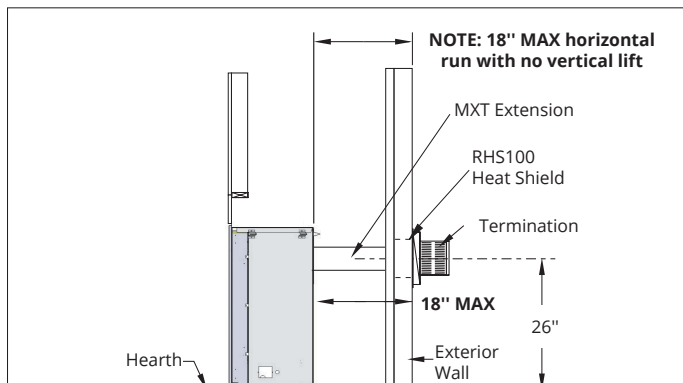


Figure 9.b Straight run, Rear Vented, wall mounted termination.

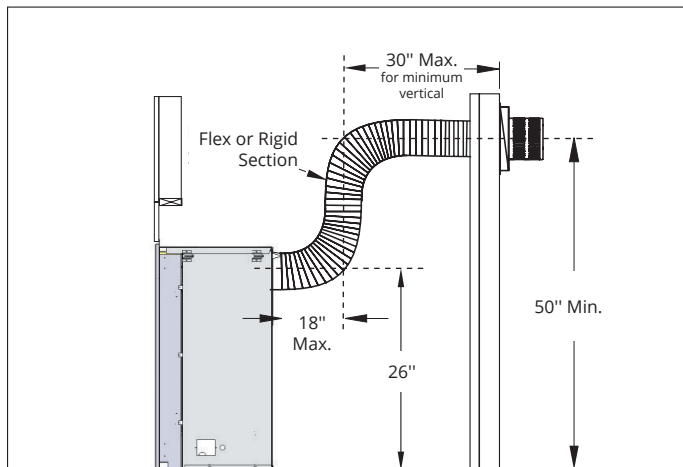


Figure 9.c Rear Vented, wall mounted Multi-elbow termination installation. Multi-elbow venting installation for H\*34DF\* must have a minimum vertical rise of 50". The vent run must comply with the Venting Graph

## 45° Corner Installation 4"/7"

Attach an EEL-45 (45° elbow) directly onto the flue collar. Cut the MXT-20 to suit, and attach it to the EEL-45. Slide the fireplace into position and attach to the termination.

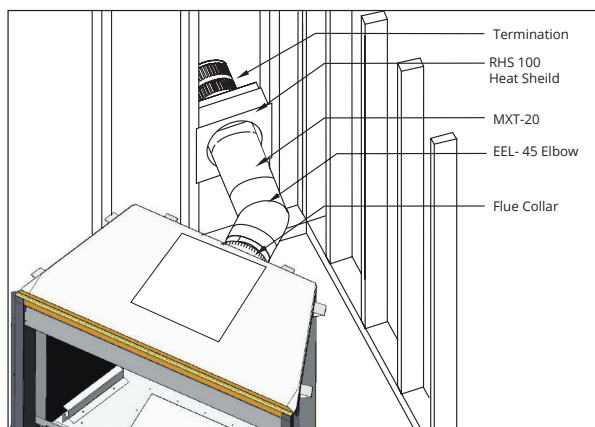


Figure 10. Corner Installation

## 45° or less Corner Installation 4"/7"

Use an MTO-4 termination and an MFL-1 or MFL-2 (12" or 24" compressed length) and a frame, if appropriate. Flex may be turned to obtain desired degree of angle required but must not exceed 45°.

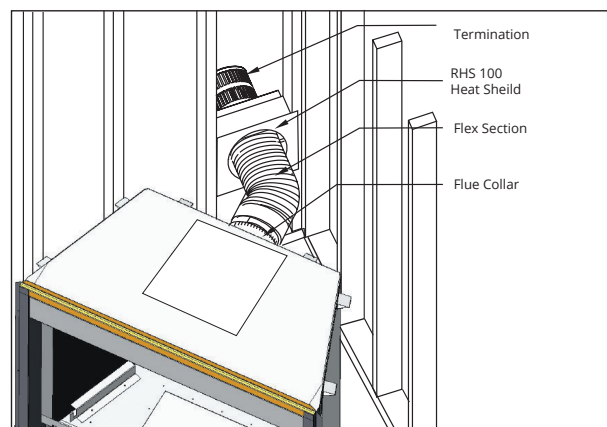


Figure 10.b Corner Installation Flex

## NOTICE

Corner Installation is available for **NATURAL GAS UNITS ONLY**

**NOTE:** Through the wall venting kits are also available for both the Straight and the Corner Installation. The Kit includes a heat shield, a MFL-12 (f/f) flexible pipe, and a termination with or without a mounting frame.

## Section 3-3-2: Venting Components

The following components and associated Montigo part numbers are for installation of a roof or wall mounted termination. Use of non-Montigo approved parts will VOID the warranty and may impede operation of the fireplace.

<b>A - Termination</b>	MTO4 (3" Length) MTO4F (3" Length) MTO4FSS
<b>B - Frame Kits</b>	MSR (Stucco Frame) MOSR (Stucco Frame) BSR-4 (4" Brick Frame) BSR-6 (6" Brick Frame)
<b>C - Flex Sections</b>	MFL - 1 (12" f/f Section) MFL - 18 (18" f/f Section) MFL - 2 (24" f/f Section) MFL - 3 (36" f/f Section) MFL - 4 (48" f/f Section) MFL - 6 (72" f/f Section)
<b>D - Rigid Pipe</b>	MEXT - 1 (12" f/m Section) MEXT - 2 (24" f/m Section) MEXT - 3 (36" f/m Section) MEXT - 4 (48" f/m Section) MEXT - 6 (72" f/m Section)
<b>E - Rigid Pipe Extension</b>	EXT18 (18" f/f Section)
<b>F - Elbows</b>	MEL-90MM (m/m 90° Elbow) MEL-90FF (f/f 90° Elbow) MEL-90FM (f/m 90° Elbow) MEL-45FM (f/m 45° Elbow)
<b>G - Wall Penetration Kit</b>	MFVK01F
<b>H - Support Ring &amp; Plate</b>	MSPXT7
<b>I - Firestop</b>	FS7
<b>J - Roof Flashing</b>	MRF7 (1/12 - 7/12 pt.) MRF12 (7/12 - 12/12 pt.)
<b>K - Heat Shield</b>	RHS100
<b>L - Heat Guard</b>	MTKOG

## Connection and installation of the vent components should adhere to the following guidelines:

- Use any combination of rigid and flex pipe as required and in any orientation (Male connectors can face in any direction).
- Flex sections may be stretched up to 50% of their total length (e.g. a 24" section may be stretched to 36").
- Connect all vent sections using a minimum of three sheet metal screws on the outer pipe flue.
- Ensure the pipe ends male to female slide in a minimum of 1 1/2" of overlap.
- Ensure all horizontal runs are supported with a minimum of 3 supports per 10' of venting.
- When hanging/supporting venting, ensure that 1" clearance is maintained on sides and bottom of vent runs and 2" above horizontal vent runs to any combustible material.
- Rigid pipe may be cut less than half way from the Female end only.
- Flex pipe cannot be cut
- Ensure when cutting sections of rigid pipe to maintain integrity of internal supports.
- For flex venting, place the springs supplied with the pipe kit, between the outer and inner pipes to keep the pipes separate and avoid any possible hot spots.
- Montigo recommends the use of a flex section for the final pipe connected directly to the fireplace offering greater flexibility of installation and absorption of movement.
- Firestops must be installed as required by National & local codes.

### IMPORTANT:

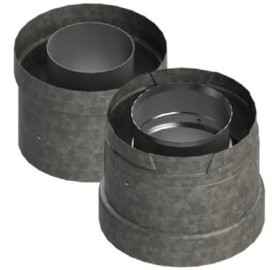
Please refer to your Building Envelope Engineer or Waterproofing Consultant for a review of ALL penetrations through exterior walls or the roof.

## Section 3-3-2.2: Duravent DirectVent Pro 4" x 6<sup>5</sup>/<sub>8</sub>" Venting Components

The following Simpson Duravent venting components are approved for use with Montigo products. Please contact your local Montigo dealer for further information.

Component	Montigo Part Number	Simpson Duravent Part Number
<b>A - Termination</b>	MTO4 (3" Length) MTO4F (3" Length) MTO4FSS	Must use Montigo termination
<b>B - Frame Kits</b>	MSR (Stucco Frame) MOSR (Stucco Frame) BSR-4 (4" Brick Frame) BSR-6 (6" Brick Frame)	Must use Montigo termination
<b>C - Flex Sections</b>	MFL - 1 (12" f/f Connectors) MFL - 18 (18" f/f Section) MFL - 2 (24" f/f Section) MFL - 3 (36" f/f Section) MFL - 4 (48" f/f Section) MFL - 6 (72" f/f Section)	46DVA-48FF (48" F/F Section) 46DVA-120FF (120" f/f Section)
<b>D - Rigid Pipe</b>	MEXT - 1 (12" f/m Section)  MEXT - 2 (24" f/m Section) MEXT - 3 (36" f/m Section) MEXT - 4 (48" f/m Section)  MEXT - 6 (72" f/m Section)	46DVA-06 (6" Section) 46DVA-09 (9" Section) 46DVA-12 (12" Section) 46DVA-18 (18" Section) 46DVA-24 (24" Section) 46DVA-36 (36" Section) 46DVA-48 (48" Section) 46DVA-60 (60" Section)
<b>E - Rigid Pipe Extension</b>	EXT18 (18" f/f Section)	46DVA-08A (8 <sup>1</sup> / <sub>2</sub> " Length) 46DVA-16A (16" Length)
<b>F - Elbows</b>	MEL-90MM (m/m 90° Elbow) MEL-90FF ( f/f 90° Elbow) MEL-90FM ( f/m 90° Elbow) MEL-45FM ( f/m 45° Elbow)	46DVA-E30 (30° Elbow) 46DVA-E45 (45° Elbow) 46DVA-E60 (60° Elbow) 46DVA-E90 (90° Elbow)
<b>G - Wall Penetration Kit</b>	MFVK01F	
<b>H - Support Ring &amp; Plate</b>	MSPXT7	46DVA-ES (Elbow strap) 46DVA-RS (Roof support)
<b>I - Firestop</b>	FS7	46DVA-WFS 46DVA-WFS2
<b>J - Roof Flashing</b>	MRF7 (1/12 - 7/12 pt.) MRF12 (7/12 - 12/12 pt.)	46DVA-F6(DS) (0/12-6/12 pt.) 46DVA-F12(DS) (6/12-12/12 pt.) 46DVA-FF (Flat Roof Flashing)
<b>K - Heat Shield</b>	RHS100	46DVA-WT 46DVA-WTS
<b>L - Heat Guard</b>	MTKOG	

**46DVA-AD-M2 Termination Adapter**



**46DVA-AD-M1 Mounting Adapter**

### NOTICE

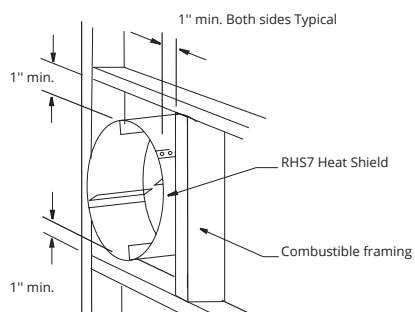
DirectVent Pro 4" x 6<sup>5</sup>/<sub>8</sub>" requires the 46DVA-AD-M1 Mounting Adapter to reduce from native 4"/7" size. A Montigo 4"/7" termination must be used by installing the 46DVA-AD-M2 Termination Adapter

## Section 3-3-3: Heat Shields 4"/7"

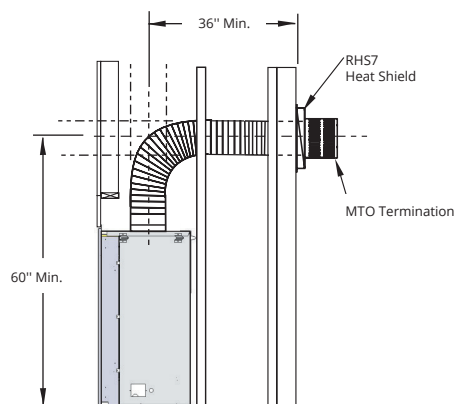
### Installing a Wall Mounted RHS7 heat shield

The RHS7 Heat shield CANNOT be used WITHIN 36" horizontal or 60" vertically of the fireplace. For applications within these dimensions the RHS100 Heat Shield MUST be used.

To install the RHS7, frame an opening in combustible construction, Figure 15.a below. Slide the Heat shield in place over the vent pipe which attaches to the fireplace. After the fireplace and vent pipe has been installed, clearances should match the dimensions in Figure 15.a



**Figure 15.a** RHS7 Installation. (Install by sliding over vent pipe where it passes through the combustible construction).



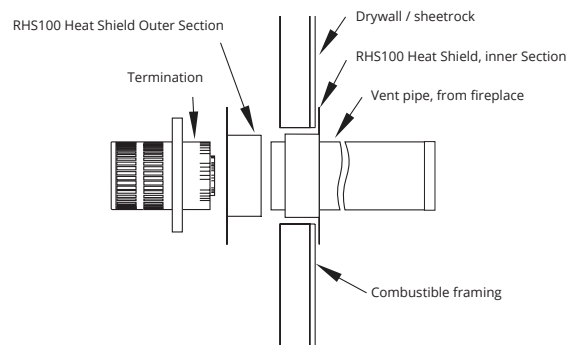
**Figure 15.b** RHS7 Installation. (Minimum requirements).

### Installing a Wall Mounted RHS100 Heat shield

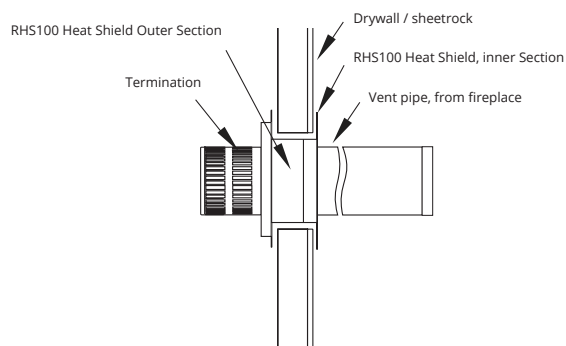
The RHS100 Heat shield MUST be used where the RHS7 Termination CANNOT be used. Use the RHS100 within 36" horizontal or 60" vertical.

To install the RHS100, Slide the Inner Section over the vent pipe that will connect to the fireplace. Fasten the vent pipe to the back of the fireplace with a Min. of three sheet metal screws.

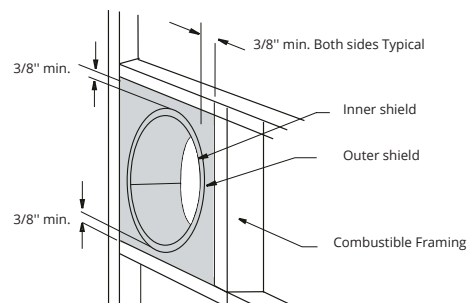
Next, slide the RHS100 outer section from the outside of the structure. To complete the installation fasten the Heat Shield Outer Section & Termination frame to the structure.



**Figure 15.c** RHS100 Installation. (Install by sliding Outer Section over vent pipe where it passes through the combustible construction).



**Figure 15.d** Heat Shield. After sliding the outer section in place.



**Figure 15.e** RHS100 Installation

Section 4: Wiring

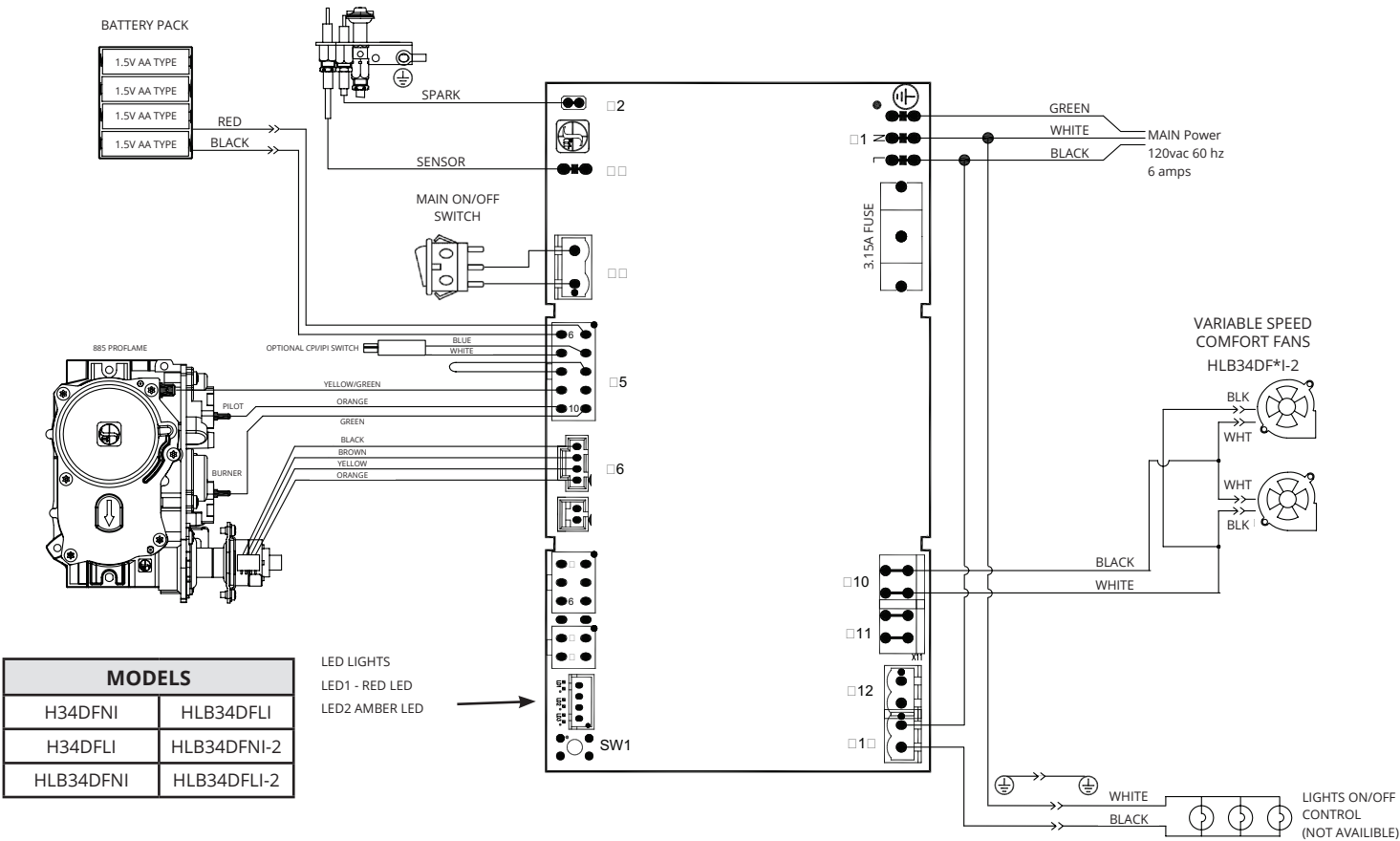


Figure 16. Wiring diagram for SIT Proflame 2 Electronic Ignition

MODELS	
H34DFN	H34DFL

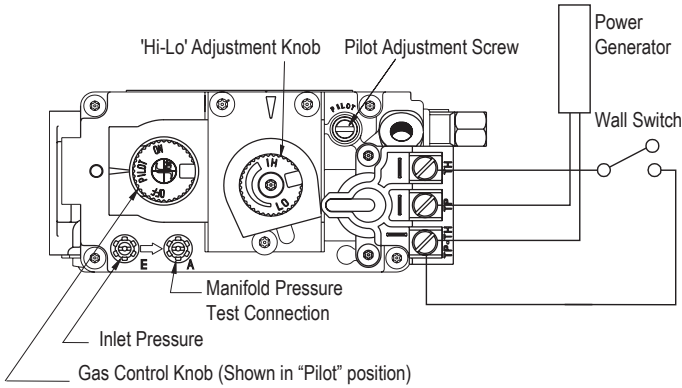


Figure 16.b Wiring Diagram for SIT Nova 820 gas and pilot.

## CPI [Continuous Pilot Ignition] / IPI [Intermittent Pilot Ignition] Jumper Cable Installation

### “Why use CPI mode?”

There are several reasons why you may choose to use CPI mode. When a flue is cold it can be difficult to light the appliance. It can take a bit of time (particularly on tall vents) to initialize vent action. This can result in “lifting” or “ghosting” of the flames during the first two to three minutes of operation. It is also possible to encounter times when the fireplace fails to light successfully. The fireplace will then attempt to re-light a second or third time depending on prevailing temperatures or altitude. When in CPI mode, the pilot also keeps the system warm. During a “cold” start, condensation will normally form on the inner glass surface of the door. This condensation will quickly dry, however, the condensation tends to run down the glass and cause some streaking. CPI mode helps to resolve this issue. If CPI mode is used during the winter months, the energy it takes to run the pilot is partially recovered as heat into the building, so it does not use as much energy as running a pilot in the off season.

A connector is supplied with this unit that can be plugged into the wire harness connected to the controller. This jumper cable gives the Remote Control the ability to operate the CPI / IPI switch and set the unit to operate in either condition. CPI means “Continuous Pilot Ignition” or “Standing Pilot” as it is commonly known. IPI means “Intermittent Pilot Ignition”, which only initializes the pilot when you are going to be using the appliance.

### The difference between IPI and CPI:

**IPI (Intermittent Pilot Ignition) Mode:** is a fuel saving mode in which the pilot is only used when the main burner is on.

**CPI (Continuous Pilot Ignition) Mode:** The pilot runs continuously even when the main burner is off. (Typically only used for winter months)

### Installation of the wall switch

Montigo supplies 14' of low voltage wire to be plugged into the control board. Connect to a standard single pole ON/OFF switch to the location of your choice. You may extend these wires up to 100' in length with a wire of equal quality.

Installations in Canada must be electrically grounded in accordance with CSA C22.1 Canadian Electrical Code Part 1 and/or Local Codes.

Installations in the USA must be electrically grounded in accordance with local codes or, in the absence of local codes, with the National Electrical Code, ANSI/NFPA 70.

Optional remote control available through your Montigo Dealer.  
(RX200\*\*)

### Installing the CPI Jumper Cable

- 1). Access the control box.

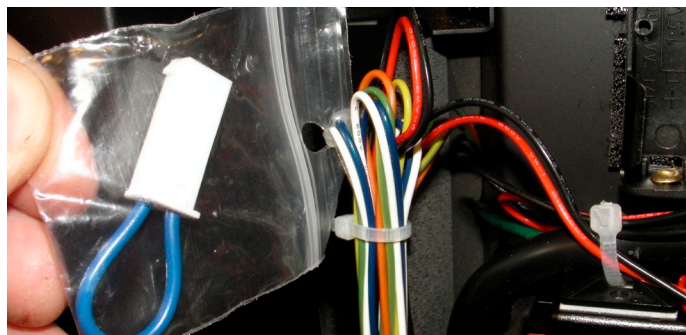


Figure 17.a Open the control box drawer

- 2). Remove the bag containing the Jumper Cable from the wire harness connected to the controller.

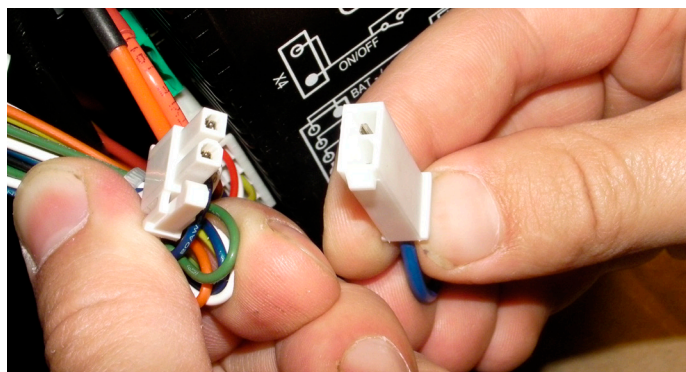


Figure 17.b Locate Jumper cable

- 3). Find the corresponding plug attached to the control wire harness and connect the CPI jumper.

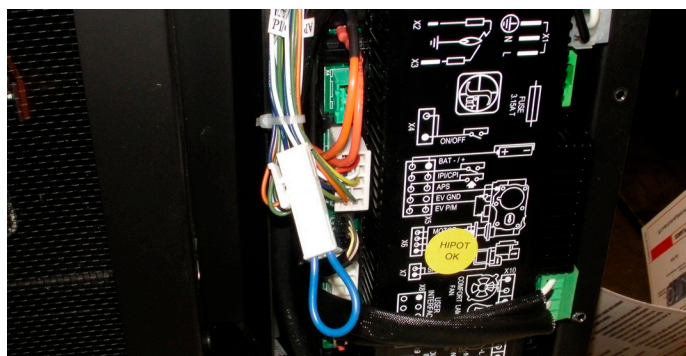


Figure 17.c Connect CPI

- 4). See operation section to turn remote into CPI mode.

## Section 5: Installing the gas line

### Section 5-1: Fuel Conversion

- Verify that your fireplace is compatible with your available gas type. (Natural Gas or Propane shown by "N" or "L" in your model number)
- If gas type is not compatible, contact your local Montigo representative.
- Conversion kits must be installed by a qualified service technician.

### Section 5-2: Gas Pressure

- Optimum appliance performance requires proper input pressures.
- Gas line sizing requirements will be determined in ANSI Z223.1/NFPA 54 National Fuel Gas Code in the USA and CAN/CGA B149.1 in Canada.

Pressure requirements (during operation):

PRESSURE REQUIREMENTS		
Gas Pressure	Natural Gas	Propane
Minimum inlet pressure	5.5in. w.c.	11in. w.c.
Manifold pressure	3.5in. w.c.	10in. w.c.

Figure 18. Pressure Requirements

- The manifold outlet pressure is set from the factory to the appropriate pressure but should be verified.
- To check pressures, control valves have a provision to remove a 1/8" N.P.T. plug to be fitted with a hose barb.
- Montigo requires a service shut off valve be located in an accessible location to isolate the gas supply.
- Only install gas shut-off valves approved for use by the state, province, or other governing body in which the fireplace is being installed.

### Section 5-3: GAS CONNECTION

- Flexible gas connectors must not exceed 3 feet in length, unless allowable within local regulations.
- Connect incoming gas line to the 1/2" or 3/8" gas inlet port.
- Purge all air out of gas line.
- Check appliance connection, valve and valve train under normal operating pressure with a commercially available leak check solution.

**DO NOT USE A FLAME OF ANY KIND TO TEST FOR LEAKS.**

## NOTICE

When pressure testing the fireplace, gas line, and input system follow the appropriate local codes for your area. DO NOT connect the fireplace to pressures in excess of **1/2lb.** This will damage the gas control valve.

## ⚠ DANGER

After gas line is connected, each appliance connection, valve and valve train **MUST** be checked while under normal operating pressure with either a Liquid Solution, or Leak Detection Device, to locate any source of leak. Tighten any areas where bubbling appears or a leak is detected until bubbling stops completely or leak is no longer detected. **DO NOT** use a flame of any kind to test for leaks. A fire or explosion will occur, causing serious injury, property damage or death.

## ⚠ WARNING

An inspection of the explosion relief flappers and door **MUST** be made prior to lighting the fireplace. A faulty seal on the door gasket and/or explosion ports will result in products of combustion leaking into the living space and may result in carbon monoxide poisoning.

### gas line access

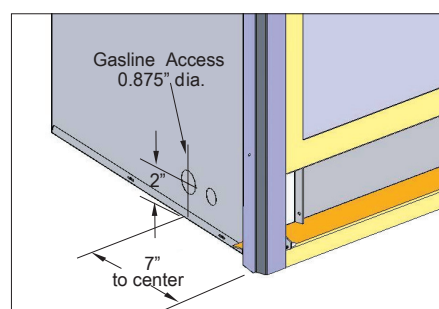


Figure 18.b Gas Inlet Supply location (left side shown)

## Section 6: Finishing

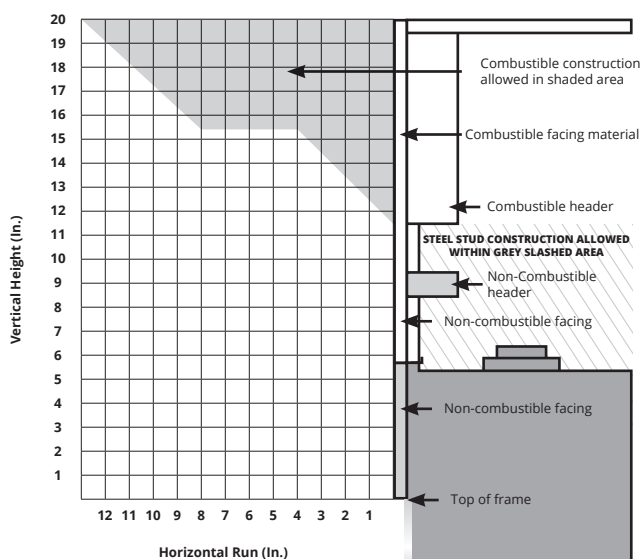
### Mantels & Surrounds

Non-combustible mantels and mouldings may be safely installed over the top and on the front of the fireplace provided that they do not project beyond shaded area shown

### Fireplace Facing

When sizing the finish material for your fireplace, it is important to remember the following: THE OPENING MUST NOT BE OBSTRUCTED IN ANY WAY - to do so restricts the air supply for the control compartments and heat exchanger it also prevents access for servicing controls.

The face of the fireplace may be painted to match the room decor, provided you use a heat-resistant paint. Decorative facing must not extend past the fireplace opening at all, because it will interfere with the access to retainers for removal of glass door.



### CAUTION

We recommend careful consideration be given to the effects of elevated mantel temperatures which may be in excess of product design, for example: candles, plastic or pictures. This can cause melting, deformation, discoloration or premature failure of T.V. radio, and other electronic components.

### ⚠ WARNING

Fireplaces cannot be recessed into a wall cavity.

### Finishing around the fireplace

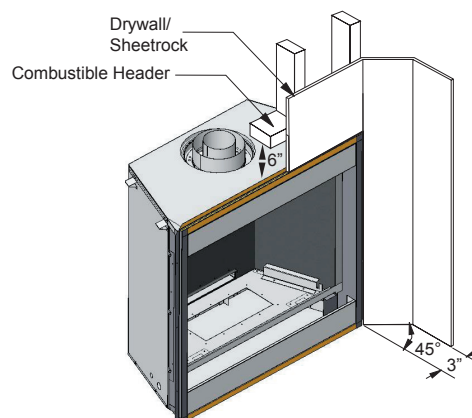
NOTE: National Canadian Gas Association mantel test requirements are for fire hazard prevention to combustible materials.

New technology, to meet consumer and government demands for the wise use of energy, has prompted us to manufacture many models of fireplaces which are hot, fuel and energy efficient.

Please be aware, temperatures over the mantel will rise above normal room temperature and walls above fireplace may be hot to touch.

NOTE: UNIT CANNOT BE RECESSED INTO A WALL

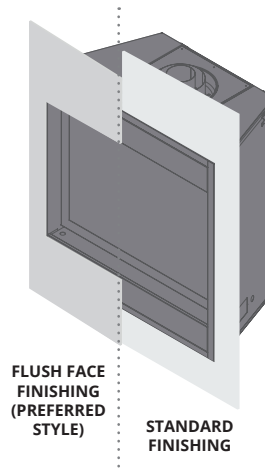
Side wall clearances are 3". Combustible surrounds may be installed with 3" clearance to the side of the fireplace as shown.



### Flush Finishing the Fireplace

A noncombustible finishing material may be installed over the face of the unit as shown. Please be aware that the temperature of the fireplace face will be extremely hot and could be subject to cracking in seams of concrete board or tile installed directly on the face.

Please refer to the flush face finishing guide for more detailed instructions.



### ⚠ IMPORTANT

When covering the upper metal portion of the fireplace with a non-combustible material. Please note the decorative facing materials may be subject to temperatures in excess of 250°F. This should be considered when selecting facing materials.

## Section 7: Screen Installation and Removal

### Removing the Screen

Grasp each top outer corner of the screen with your thumb and finger and pull towards yourself. When the upper Screen Studs are free, lift the screen at an angle from the lower slots from which the Screen Bottom Tabs are held. Place the screen in a safe place.

### To Install Screens

Hold the screens at an angle away from the fireplace, and locate the Screen Bottom Tabs at the lower corners of the screen. Place the screen into the Screen Tab Receptacles in the lower section of the fireplace.

Make sure the tabs and screens are lowered all the way down into the Screen Tab Receptacles on the fireplace. Then, push each Upper Screen Stud on the top corners of the screen into the Upper Screen Stud Receptacles in the fireplace.

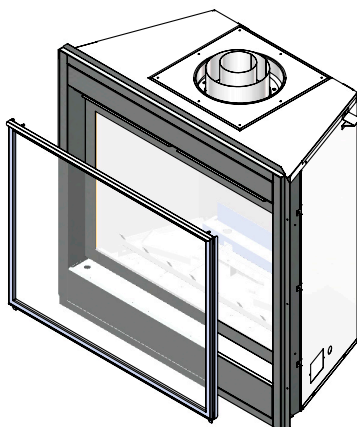


Figure 19. Lift out the Retaining Tabs and screen

### CAUTION

Glass doors on gas fireplaces are extremely hot while the fireplace is on and remain hot even after the fireplace has been turned off. Safety screens are mandatory while glass is hot and can reduce the risks of severe burns. Please keep children away from the fireplace at all times.

### Replacement Screens

For replacement part order numbers, please refer to section "Replacement Parts"

### NOTICE

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

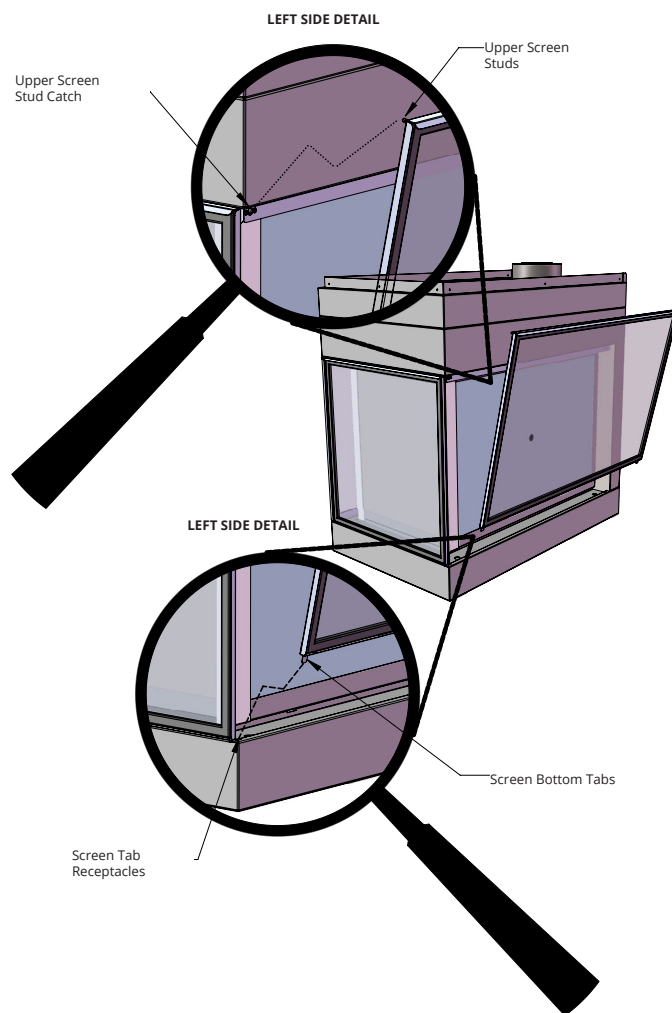


Figure 19.b Screen Installation and Removal

## Section 8: Installing & Removing the Door

### Removing the door

The doors are removed in a few simple steps. Follow these below to remove the horizontal access panel, unlatch the door buckles and, remove the door. Replace in reverse order.

#### ⚠ WARNING

When reinstalling the door(s), always make sure all door buckles are properly hooked and fully engaged.

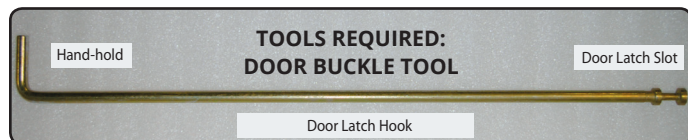


Figure 20.a Door buckle Tool

#### STEP 1:

Remove the Horizontal valve blind by placing fingers in both finger holes, then pushing away from you and lifting out. Place it aside during maintenance or cleaning. Install in reverse order.



Figure 20.b Removing and installing the Horizontal Access Panel

#### STEP 2:

Locate door buckles

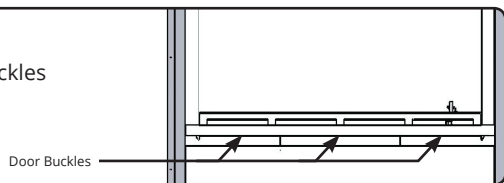


Figure 20.c Locate door buckles

#### STEP 3:

Firmly grasp handhold end of Door buckle tool and place the machined end in the slot under door frame. (as shown)

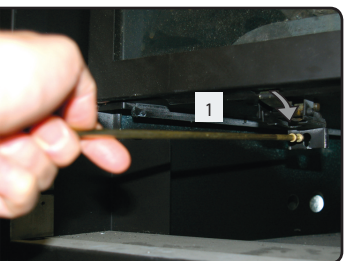


Figure 20.d Locate door latches

#### STEP 4:

Ensure the tool is firmly in the lower end of the slot, (as shown), Then pull toward you.

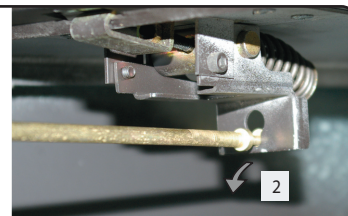


Figure 20.e Pull door latches

#### STEP 5:

Pull hard if necessary to release the spring tension. (Caution: The latch springs back with force, hold the tool securely).

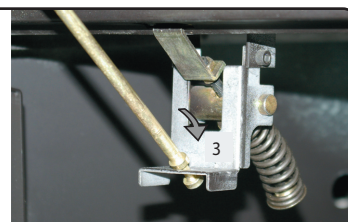


Figure 20.f Lift the latch upward

#### STEP 6:

Remove the tool from the latch slot. Ensure the latches are hanging freely, the hook end is released from the bottom of the door. (Repeat all 4-steps for the remaining latches).

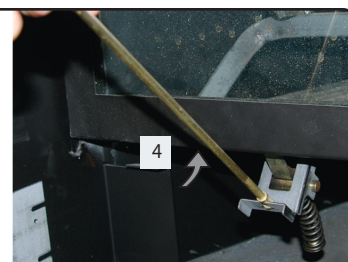


Figure 20.g Lift the door up and out of the fireplace frame

#### STEP 7:

Grasp the door on either side, usually midway and lift upward, lift the door carefully up and away from the front of the fireplace. Place the door aside in a safe place while maintenance and / or cleaning is being performed.

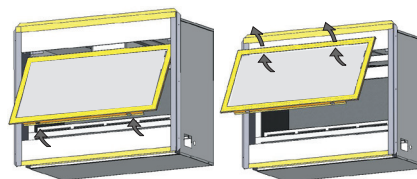


Figure 20.h Removing and installing the glass doors.

### Reinstalling the door

To install the door, hook the top edge of the door frame into place. Lower the door into position and follow the previous steps shown in reverse order.

## Section 9: Installing the Accessories

### HLB34 Installing the Firestones or optional Fireglass

The unit is supplied with firestones. Optional fireglass may be purchased from the dealer. Remove the Door as shown in the previous Instruction. Once the glass door is removed place the firestones randomly across the pan and the burners as described in Figure 21 to 21.b

Note: Only cover the burner with one layer of firestones or fireglass.



Figure 21. spreading out firestones



Figure 21.b Completed firestone installation

### HLB34-2 Installing Speckled Stones

[RR\*\*\*SS]

Once the glass door has been removed as shown in the previous section, place the speckled stones evenly across the pan and burner. Ensure stones do not overlap too much as this will effect the flame pattern, see figure 21.c DO NOT cover the pilot with stones.



Figure 21.c Completed Speckled Stone installation

**WARNING:** This appliance is intended for use only with the included Montigo burners and accessories. Never install or add any additional or alternative media, rock wool or other material in this appliance. The use of additional or alternative materials may pose potential safety hazards, damage to the appliance, and void manufacturer's warranty.

### HLB34-2 Installing Driftwood

[LGS59]

Once the glass door has been removed as shown in the previous section, place the driftwood logset as shown across the pan. Ensure logs do not overlap too much as this will effect the flame pattern, see figure 21.d DO NOT cover the pilot with logs.



Figure 21.d Completed Speckled Stone installation

## Traditional Logset Installation H34DF

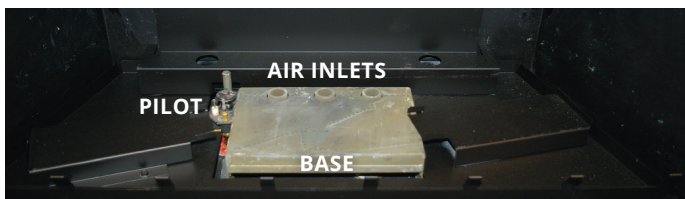


Figure 22. H34DF's Fireplace Base.

**STEP 1:** Remove the glass door as described in the previous instruction.

**STEP 2:** Install Bottom Rear log

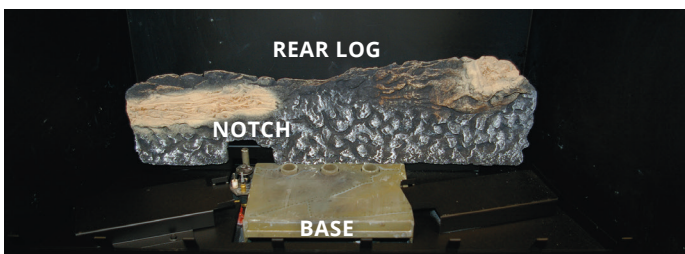


Figure 22.b

**STEP 3:** Install Both front base logs, (Figure 28c) on the log stands provided.

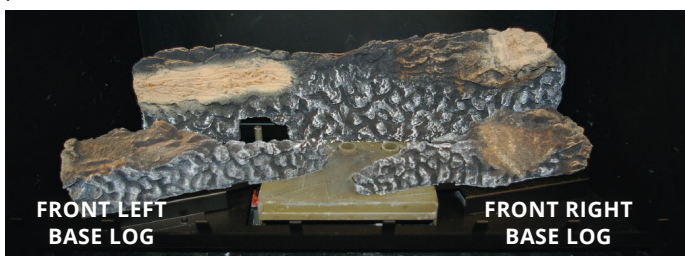


Figure 22.c

**STEP 4:** Place the top left log. A flat area is provided on the front left log, and a notch in the Rear bottom log. Install the glass door. If the flame does not appear satisfactory, double-check the air inlet and exhaust outlet pipe to ensure that they are unobstructed.

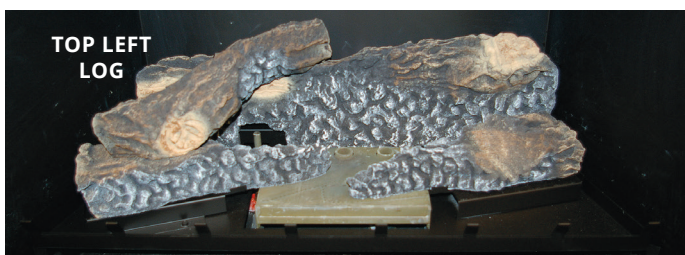


Figure 22.d

**STEP 5:** Place the top right log as shown. A notch is provided on the front right log, and a impression in the Rear bottom log.



Figure 22.e

**STEP 6:** Start the fireplace. If the flame appears satisfactory, replace the glass door. If the flame does not appear satisfactory, double-check the air inlet and exhaust outlet pipe to ensure that they are unobstructed.

**STEP 7:** Place the Embers as shown. Arrange the ember chips on top of the burner tray. Care should be taken when placing the embers, as blocked burner ports may cause an incorrect flame pattern, carbon deposits and delayed ignition. Also, the embers must NEVER be placed in a way that obstructs any of the air inlet ports, located at the rear of the burner.

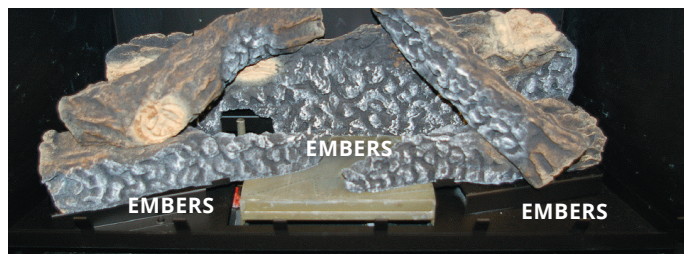


Figure 22.f

## River Rock Kit H34DF

**STEP 1:** Remove existing media and burner tray.



Figure 23. H34DF's Fireplace Base.

**STEP 2:** Install the new Rock Tray and front cover. Make sure the tray is not sitting on top of the pilot.



Figure 23.b Burner Tray Front Cover

**STEP 3:** Slide the rock guard locator tabs behind the Burner. The rocks on the Rock Guard should line up between the air inlets of the burner



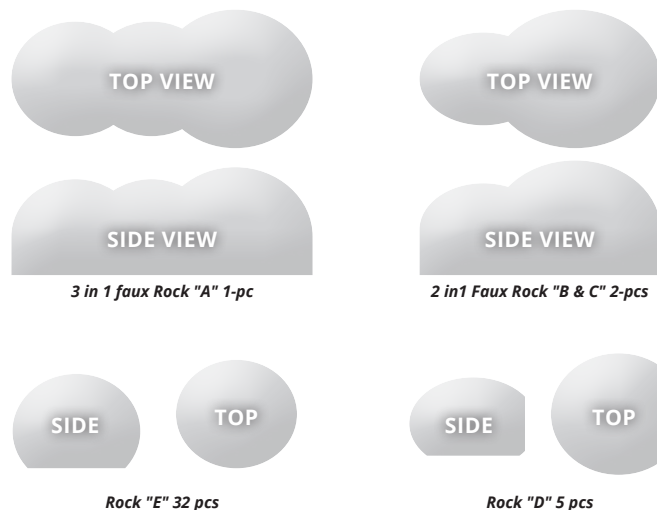
Figure 23.c Pushing the Rock Guard down into place.

**STEP 4:** Slide the rock guard locator tabs behind the Burner. The rocks on the Rock Guard should line up between the air inlets of the burner



Figure 23.d Pushing the Rock Guard down into place.

**STEP 5:** Remove the glass door as described in the previous instruction.



**STEP 6:** Install Rear faux "A" ceramic 3 in 1 Rock as shown



Figure 23.e H34DF's Fireplace Base.

**STEP 7:** Install Centre (2) Two faux "B" and "C" ceramic 2 in 1 Rock as shown. Note: Ensure the rocks do not cover the Burner holes, (reference lines of burner holes (straight lines) and outline or rocks (ovals))



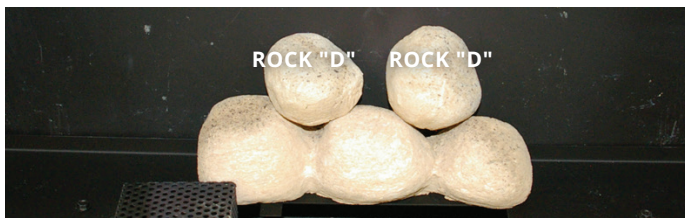
Figure 23.f Placement of faux ceramic rock "B" & "C". Note decreasing size of rock diameters toward centre of burner.

**STEP 8:** Install Front (3) three of the supplied (5) five faux ceramic "D" Rocks as shown. Note cut surfaces of Rocks.



**Figure 23.g** Place (3) three faux "D" ceramic Rocks between burner and front of firebox frame. (flat surfaces of rock against the front of door opening and bottom pan of the fireplace). Note similar size of rock diameters.

**STEP 9:** Install the last (2) two faux ceramic "D" Rocks as shown in Figure 32c. Note cut surfaces of Rock toward back of firebox.



**Figure 23.h** Place the remaining (2) two faux "D" ceramic Rocks on top of faux the "A" (3 in 1 ceramic rock.) (flat surfaces of rock against back of firebox).

**STEP 10:** Begin placement of the faux "E" ceramic rocks in the Left side of the firebox. Note approximate placement.



**Figure 23.i** Left side of firebox.



**Figure 23.j** Continue placing.

**STEP 11:** Continue placing the faux "E" ceramic rocks to the Right side of the firebox. Note approximate random locations.



**Figure 23.k** Right side of firebox.



**Figure 23.l** Continue placing.



**Figure 23.m** Completed lower layer of ceramic Rock.

**STEP 12:** Install the first faux ceramic "E" Rocks on top of the lower level of rocks. Continue placement of ceramic "E" Rocks as shown.



**Figure 23.n** Place the first Top faux Rock.



**Figure 23.o** Place the second Top faux Rock between the far left and centre inlet Ports.



**Figure 23.p** Place the third Top faux Rock between the far right and centre inlet Ports.



**Figure 23.q** Place the fourth Top faux Rock on top of the previous (2) two Rocks.



**Figure 23.r** Place the fifth Top faux Rock on top, behind the pilot assembly cover.



**Figure 23.s** Place the sixth Top faux Rock on top, behind the pilot burner faux Rocks.



**Figure 23.t** Place the seventh Top faux Rock in the front.



**Figure 23.u** Place the eight Top faux Rock in the front to the Right of the last Rock.

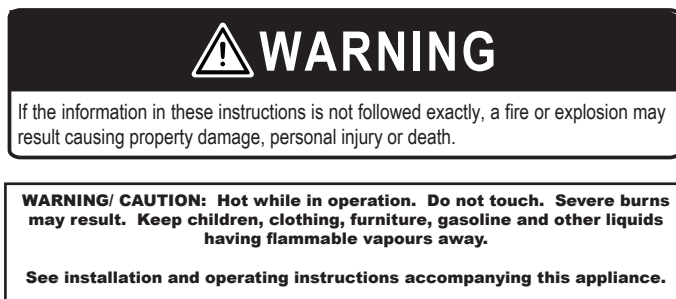
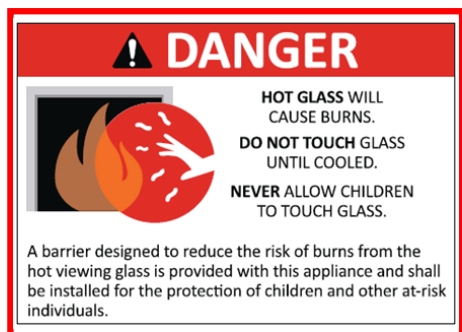


**Figure 23.v** Completed faux Rock installation.

*Note: You may have to move or rotate the Top faux rocks to assure the best possible flame pattern and effect.*

## Section 10: Start up Sequence

### For Your Safety - READ BEFORE LIGHTING:



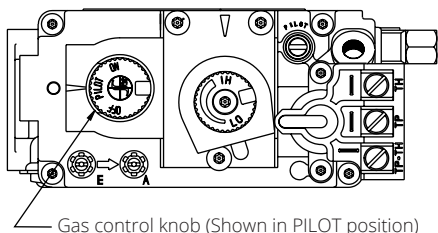
- A. This appliance is equipped with an ignition system that lights the pilot burner automatically. Do not attempt to light the pilot by hand.
  - B. BEFORE LIGHTING smell all around the appliance area for gas. Be sure to smell next to the floor because some gas is heavier than air and will settle on the floor.
- WHAT TO DO IF YOU SMELL GAS:
- Do not try to light any appliance.
  - Do not touch any 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.

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

### Standing (Continuous) Pilot Ignition (SIT NOVA 820)

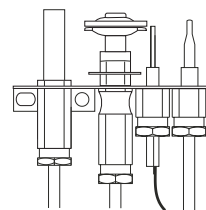
#### Lighting Instructions:

1. STOP! Read the safety information above on this label.
2. Lift out the lower Horizontal access panel.
3. Push in gas control knob and turn clockwise to "OFF."
4. Wait five (5) minutes to clear out any gas. Smell for gas, including near the floor. If you then smell gas, STOP! Follow "B" in the safety information above on this label. If you don't smell gas, go to the next step.
5. Locate pilot burner (See illustration at right.) and follow steps below.
6. Turn knob on gas control counter clockwise to "PILOT."



NOTE: Gas control knob cannot be turned from "PILOT" to "OFF" unless knob is pushed in slightly. Do not force.

7. Push in gas control knob completely and hold. Light with Piezo Igniter button. Continue to hold the control knob in for about (1) minute after the pilot is lit. Release the knob and it will pop back up. Pilot should remain lit. If it goes out repeat steps 3 through 8.
- If knob does not pop up when released. Stop and immediately call your service technician or gas supplier.
- If the pilot will not stay lit after several tries, turn the gas control knob to "OFF" and call your service technician or gas supplier.
8. Push in gas control knob and turn counter-clockwise to "ON."
9. Replace the lower Horizontal access panel.
10. Turn on remote switch to ignite fire.



### To Turn Off Gas To Appliance:

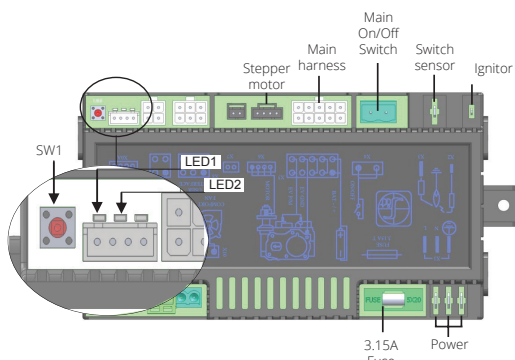
1. Turn off remote switch.
2. Lift out the lower Horizontal access panel.

3. Push in gas control knob slightly and turn clockwise to "Off". Do not force.
4. Replace the lower Horizontal access panel.

## SIT Proflame 2 Electronic Ignition

### **For Your Safety - READ BEFORE LIGHTING:**

1. STOP! Read the safety information above on this label.
2. Remove the lower Horizontal access panel.
3. Turn "ON" manual "ON/OFF" switch located below the horizontal access panel (if available).
4. Turn Incoming gas valve to the "ON" position.
5. Wait 5 minutes to clear out any gas. If you smell gas, STOP! Follow "B" in the safety information above on this label. If you don't smell gas, go to the next step.

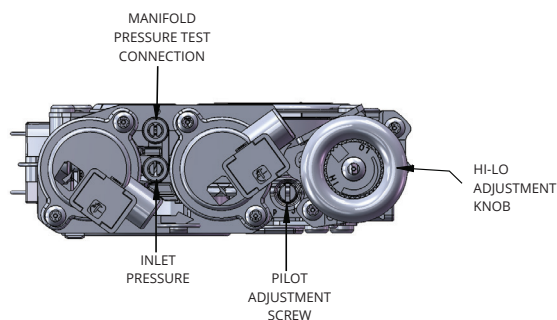


SW1 = Programing Button

LED1 = Red Diagnostic Light

LED2 = Amber Programing Remote Control Light

6. Turn fireplace "ON" using wall switch or remote control.
7. If the Fireplace does not light, the System will cycle through two trials, (one minute audible clicking, thirty seconds of silence, and then another one minute of audible clicking). If the system locks out due to inadequate gas flow, refer to "Troubleshooting" in instruction guide.
8. After completion of the information in the Troubleshooting section, Repeat step 5.
9. If the system will not function correctly, follow the instructions "To Turn Off Gas To Appliance" and call your service technician or gas supplier.



### **To Turn Off Gas To Appliance:**

1. Turn off fireplace using wall switch or remote control.
2. Remove the lower Horizontal access panel.
3. Turn the incoming gas control valve to "Off".
4. Replace the lower Horizontal access panel.

## Remote Operation

The Proflame 2 System consists of the following elements:

1. Pilot Assembly
2. Proflame Gas Valve.
3. Proflame 2 Control Module
4. Wiring Harness
5. Variable Speed fans (If applicable)
7. Proflame 2 remote control
8. Battery Pack
- 9 Manual override switch

**NOTE:** Can not be used with home automation systems.

The Proflame 2 Transmitter controls the following fireplace functions

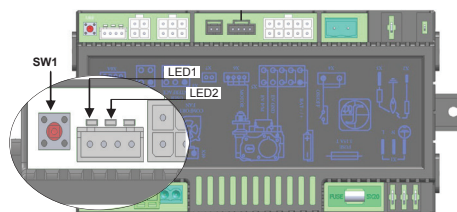
(all functions may not be available):

1. Main Burner On/Off
2. Main Burner flame modulation (6 levels).
3. Choice of standing or intermittent pilot (CPI/IPI).
4. Thermostat and Smart thermostat functions.
6. Fan speed modulation (6 levels).

The Proflame 2 Transmitter uses a streamlined design with a simple button layout and informative LCD display. A Mode Key is provided to index between the features and a Thermostat Key is used to turn On/Off or index through Thermostat functions, see Figure 27. Additionally, a Key Lock feature is provided.



Figure 27. Proflame 2 Remote



SW1 = Programing Button

LED1 = Red Diagnostic Light

LED2 = Amber Programing Remote Control Light

Figure 27.b Proflame 2 Control Module

### ! WARNING

Do not expose remote control to temperatures below 0°C (32°F) or above 50°C (122°F)

### ! CAUTION

**Property Damage Hazard. Excessive heat can cause property damage.**  
The appliance can stay lit for many hours. Turn off the appliance if it is not going to be attended for any length of time.

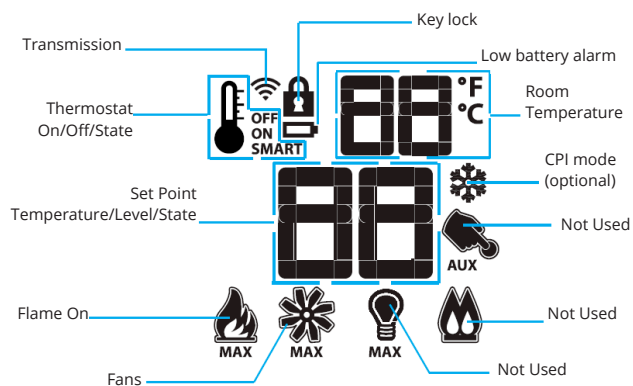


Figure 27.c Remote Control LCD Display

## Initializing the System for the first time

1. Set master override switch to off position.
2. Install four (4) AA batteries into the battery holder.
3. Install three (3) AAA batteries in the back of the remote control. Note the polarity of batteries and install them as indicated by the silk screen (+/-) on the holder.
4. Connect AC Power (115 volts, 60 Hz) to fireplace.

## Operating the System for the first time

Press SW1 button on the control module. The control module will beep three (3) times and an amber LED is illuminated to indicate that the IFC (control board) is ready to synchronize with a remote control within 10 sec. Push the ON button. The control module will "beep" four (4) times to indicate transmitter's command is accepted.

The System is now initialized.

### ⚠ WARNING

**Battery operated device.** Read the battery instructions before installing them into the system. Do not expose any battery, or its holder, or a device in which batteries are installed, to a working temperature greater than 54°C / 129°F



Figure 27.d Remote Control Battery Compartment

## Temperature Indication Display

With the system in the "Off" position, press the Thermostat Key and the Mode Key at the same time. Look at the LCD screen on the Remote Control to verify that a C or F is visible to the right of the Room Temperature display.

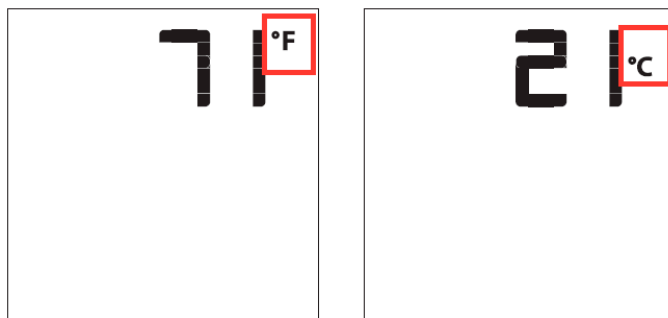


Figure 27.e Remote Control display in Fahrenheit & Celsius

## Turn On the Fireplace

With the system Off, turn the master override switch to on and press the On/Off Key on the Remote Control. The Remote Control display will show some other active Icons on the screen. At the same time the Control Module will activate the fireplace. A single "beep" from the Control Module will confirm reception of the command.

## Turn Off the Fireplace

With the system On, press the On/Off Key on the Remote Control. The Remote Control LCD display will only show the room temperature. At the same time the Control Module will turn off the fireplace. A single "beep" from the Receiver confirms reception of the command.



Figure 27.f Remote Control Display

## Remote-Flame Control

When you turn on the fireplace it starts on high. The proflame 2 has six (6) flame levels. Each time you press the Down Arrow Key once the flame height will reduce by one step.

You can continue this until the main burner flame turns off. You can still operate the accent lights and fans in this mode.

If the main burner flame is off and you press the up arrow key once, the flame will automatically go to high.

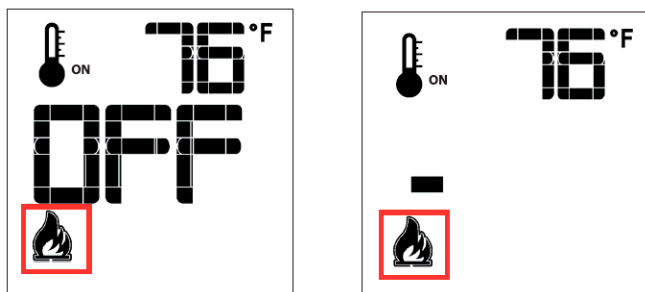


Figure 27.g Flame Off and Flame Level 1.

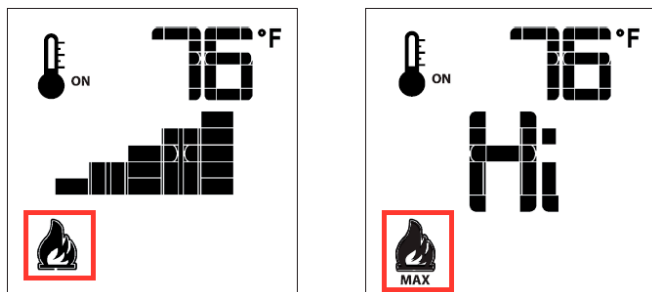


Figure 27.h Flame Level 5 and Flame Level Maximum

## Room Thermostat (Remote Control Operation)

The Remote Control can operate as a room thermostat. The thermostat can be set to a desired temperature to control the comfort level in a room. To activate the function, press the Thermostat Key, see Figure 27i. The LCD display on the remote control will change to show that the room thermostat is "On" and the set temperature is now displayed. To adjust the set temperature press the Up or Down Arrow Keys until the desired set temperature is displayed on the LCD screen of the Transmitter.

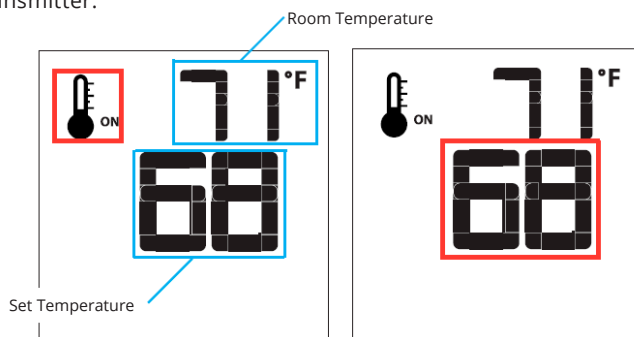


Figure 27.i Setting Room Thermostat

## Smart Thermostat (Remote Control Operation)

The Smart Thermostat function adjusts the flame height in accordance to the difference between the set point temperature and the actual room temperatures. As the room temperature gets closer to the set point the Smart Function will modulate the flame down. To activate the function, press the Thermostat Key, see Figure 27.j, until the word "SMART" appears to the right of the temperature bulb graphic, see Figure 27j.

NOTE: When smart Thermostat is activated, manual flame height adjustment is disabled.

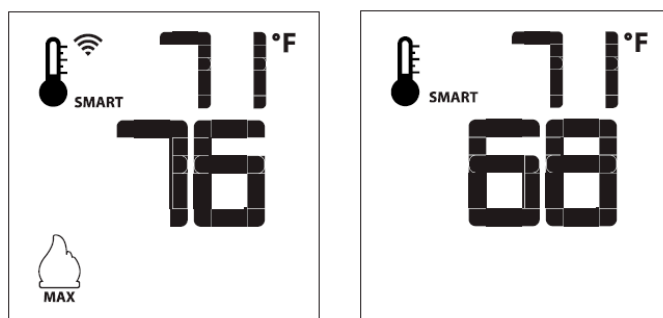


Figure 27.j Smart flame function

## Disabling Thermostat

Some jurisdictions and bedroom installations require the thermostat to be disabled.

1. Partially take out one battery, see Figure 27k.
2. Insert the battery while holding down the thermostat button. The remote screen will display 'Clr' while the button is held down. See Figure 27l.
3. To enable thermostat repeat steps 1-2. The remote screen will display 'set' while the thermostat button is held down.



Figure 27.k



Figure 27.l

## Fan Speed Control

The fireplace is equipped with optional hot air circulating fans. The speed of the fans can be controlled by the Proflame system. The fan speed can be adjusted through six (6) speeds. To activate this function use the Mode Key, see Figure 27, to index to the fan control icon, see Figure 27m. Use the Up/Down Arrow Keys to turn on, off, or adjust the fan speed. A single "beep" will confirm reception of the command.

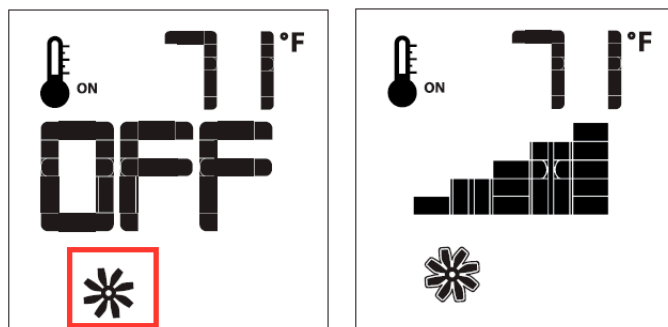


Figure 27.m Fan Speed Control

## Section 10: Cleaning and Maintenance

### General

- Have the fireplace and installation inspected yearly. The inspection must include, but is not limited to, the following:
  - A visual check of the entire vent system and termination, where accessible.
  - An inspection of the explosion relief flappers and the door gaskets to ensure a proper seal.
  - An inspection of the burner, vent run, and primary air openings.
  - An inspection of the gas valve, gas components, and pilot flame. For your convenience a 1/8" manifold pressure tap is supplied on the gas valve for a test gauge connection.
  - Inspection of all optional equipment; fans, thermostats, remote control lights, etc.
- For Natural Gas this appliance requires a minimum inlet pressure of 5.5" W.C. and a manifold pressure of 3.5" W.C.
- For Propane Gas this appliance requires a minimum inlet pressure of 11" W.C. and a manifold pressure of 10" W.C.
- Always keep the fireplace area clear and free of combustibile materials, as well as gasoline and other flammable vapors and liquids.
- Do not use this appliance if any part has been under water. Immediately call a qualified service technician to inspect the appliance and to replace any part of the control system and any gas control which has been under water.
- Inspection of glass doors and screen for damage and proper installation.

### Cleaning

When the fireplace is first activated, there may be some smoke and a visible film may be left on the glass. This is a normal condition, and is the result of burning of protective coatings on new metal.

- Glass must be cleaned periodically to remove any film (which is a normal by-product of combustion) which may be visible. Film can easily be removed by removing the door. Handle the door carefully, and clean it with non-abrasive, non-ammonia based glass cleaners. One of the most effective products is Kel-Kem.
- During the initial firing, Silicone seals will "off gas", leaving a visual deposit of a white substance on combustion chamber walls. This can easily be removed using normal household products.
- Use a vacuum cleaner or whisk broom to keep the control compartment, burner, and firebox free from dust and lint.

### NOTICE

Do not use ammonia or abrasive cleaners on the glass, they will permanently etch the surface. Use an approved gas fireplace cleaner such as Kel-Kem or White off.

### Hi-Lo Burner Adjustment: (SIT Nova 820).

The H\*34DF\* is equipped with an adjustable burner, allowing you to raise or lower the flames. To adjust the flames, locate the black knob marked 'Hi-Lo', in the centre of the gas control valve (See Figure 33).

- To raise the flame height, turn the black knob (located behind the lower control compartment) counter-clockwise.
- To lower the flame height, turn clockwise.

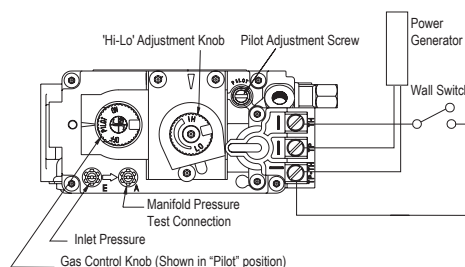


Figure 28. Hi-Lo' Adjustment on the SIT Nova 820 gas valve

### Hi-Lo Burner Adjustment: (SIT Proflame 2).

The H\*34DF\*I is equipped with an adjustable burner, allowing you to raise or lower the flames. To adjust the flames, locate the black knob marked 'Hi-Lo', in the centre of the gas control valve (See Figure 34).

- To raise the flame height, turn the black knob (located behind the lower control compartment) counter-clockwise.
- To lower the flame height, turn clockwise.

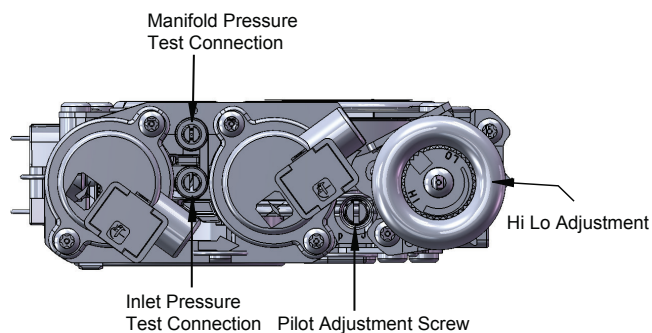


Figure 28.b 'Hi-Lo' Adjustment on the SIT Proflame 2 gas valve.

### Pilot Burner Adjustment.

1. Locate Pilot Adjustment Screw. (See figure 33 or 34.)
2. Adjust pilot screw to provide properly sized flame as shown.
3. After installing or servicing, leak test with a soap solution with main burner on. Coat pipe and tubing joints, gasket etc. with soap solution. Bubbles indicate leaks. Tighten any areas where the bubbles appear until the bubbling stops completely.

## Annual inspection list for determining safe operation of a direct vent gas fireplace

- 1) Inspect and operate the pressure relief mechanism to verify relief mechanisms are free from obstruction to operate.
- 2) Clean glass window with a suitable fireplace glass cleaner. Abrasive cleaners must not be used. Be careful not to scratch the glass when cleaning.
- 3) Inspect the operation of the flame safety system Pilot or Flame rectification device.
- 4) Inspect and ensure the lighting of the main burner occurs within 4 seconds of the main gas valve opening. Visual inspection should match that outlined in the appliance instruction manual. Inspect primary air openings for blockage.
- 5) Inspect condition of vent and vent terminal for sooting or obstruction and correct if present.
- 6) Vacuum and clean any debris in the firebox that is not supposed to be there.
- 7) Test and measure the flame failure response time of the flame safety system. It must de-energize the safety shutoff in no more than 30 seconds.
- 8) Check all accessible gas-carrying tubes, connections, pipes and other components for leaks.

## Troubleshooting SIT Nova 820

The following is a troubleshooting chart of possible problems:

PROBLEM	SOLUTION
Noisy Pilot Flame	Locate pilot adjustment screw on gas control valve. Flame is decreased by turning adjustment screw clockwise.
Pilot won't ignite	Disconnect remote wires and try to light pilot. If pilot now works, remote connections are faulty. Check wiring diagram figure 30.
Main burner will not light	1. Check wiring (see figure 30) 2. Check wall switch for proper connection

## Troubleshooting SIT Proflame 2

The following is a troubleshooting chart of possible problems:

PROBLEM	SOLUTION
Pilot Igniter won't spark	1. Check the MAIN ON-OFF switch (typically located below the valve cover) and turn ON 2. Ensure main power is ON or new batteries are installed in the remote control and backup battery pack (if available). 3. Check the 3.15A fuse in the control box and replace if necessary
Pilot Igniter sparking, but Pilot burner will not light	1. Verify the Inlet and Manifold Gas Pressure are within acceptable limits 2. Check all connections to gas valve 3. Check connection to stepper motor (if available)
Pilot lights , but Main burner will not Light	1. Check and verify all wiring connections as per the wiring diagram. 2. Verify the inlet and Manifold Pressure are within acceptable limits
Pilot lights , but Main burner will not Light and igniter continues to spark	1. Check the Pilot Flame Sensor Rod and clean with steel wool or similar. 2. Check the Pilot hood and clean with steel wool if dirty. 3. Adjust pilot flame using the pilot adjustment screw if the pilot flame is too long or too short (Flame should fully engulf the sensor rod and must be stable). 4. Check and make sure the ground wire from the pilot is connected to the fireplace body.
Fans not working	1. Ensure main power is ON (fireplace may be operating on back up batteries). 2. Check the 3.15A fuse in the control box and replace if necessary

If your fireplace still does not operate correctly, consult your local Montigo dealer.

**All service and repairs should be performed by a qualified Technician.**

All spare parts, optional fans, and optional trim finishes are available from your local Montigo dealer.

## Replacement Parts

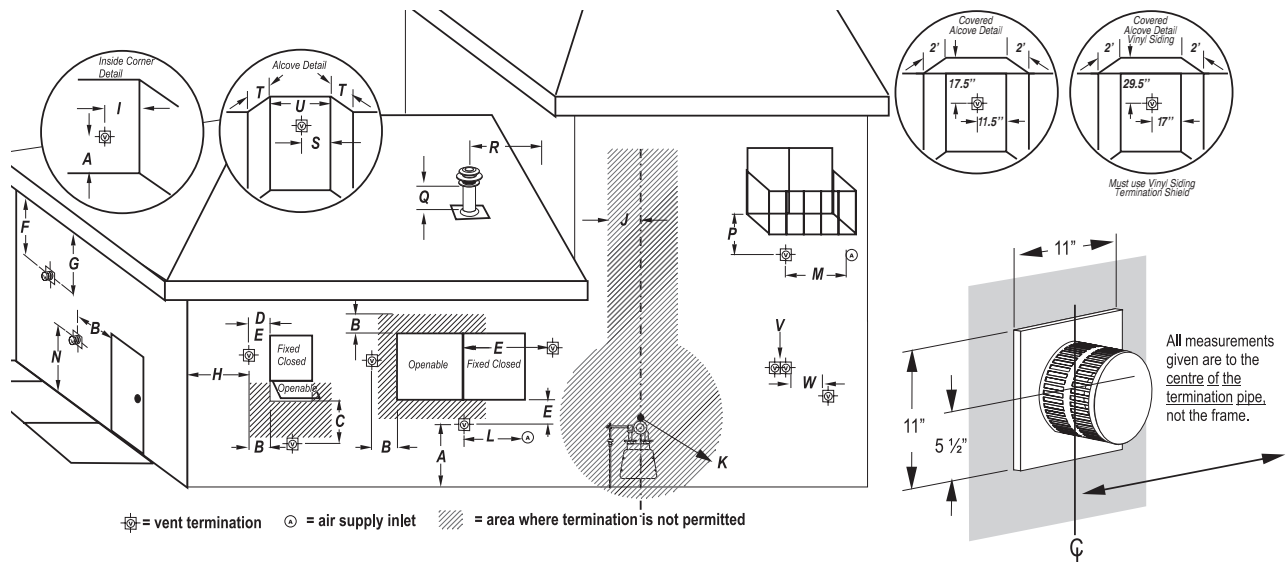
### Replacement Parts List - Standing Pilot

Part	H34DF
Log Set	RLGSH34
NG Gas Valve	RGC1006
Propane Gas Valve	RGC1005
NG Pilot	RPA020
Propane Pilot	RPA021
NG Burner	Contact Local Montigo Dealer
Propane Burner	Contact Local Montigo Dealer
Thermocouple	RTC182
Thermopile	RPG001
Piezo Ignitor	PIEZO
Pilot Tubing	RPTA03
Door	RDTH34
Replacement Screen	RSCH34

### Replacement Parts List - SIT IPI Proflame 2

Part	H34DF*I	HLB34DF*I	HLB34DF*I-2
Log Set	RLGSH34	N/A	N/A
NG Gas Valve (hi low)	RGC3044		
Propane Gas Valve (hi low)	RGC3045		
NG Gas Valve (with stepper motor)	RGC3033		
Propane Gas Valve (with stepper motor)	RGC3034		
NG Pilot Assembly	RPA035		
Propane Pilot Assembly	RPA036		
Ignitor Probe Assembly	RGC3075		
Flame sensor rod assembly	RGC3076		
Pilot Tubing	RPTA03		
Control Module	RGC3094		
Proflame Transmitter	RGC3063		
Door	RDTH34		
Replacement Screen	RSCH34		

# Appendix A: Venting Terminations



	Location	Canada*	USA**
A	clearance to the termination frame above grade, veranda, porch, deck, or balcony	12 inches	12 inches
B	clearance to top of doors or operable windows	12 inches	12 inches
C	clearance to sides or bottom of door or operable windows	12 inches	9 inches
D	clearance to permanently closed window when installed with approved glass penetration termination	0	0
E	clearance to permanently closed window Recommended to prevent condensation	16 inches	16 inches
F	clearance to ventilated soffit located within a horizontal distance to 24 inches from centerline of termination	22 inches	22 inches
G	clearance to unventilated soffit	30 inches to combustibles 16 inches to non-combustibles	30 inches to combustibles 16 inches to non-combustibles
H	clearance to outside corner	9 inches	9 inches
I	clearance to inside corner	12 inches	12 inches
J	clearance to each side of the vertical centerline of a metre or regulatory assembly to a maximum vertical distance of 15ft	3 feet	3 feet
K	clearance to service regulator vent outlet	3 feet	3 feet
L	clearance to non mechanical air supply inlet to the building or combustion air inlet to other appliance for appliance <= 100,000 BTU/H (30 kW)	12 inches	12 inches
M	clearance to forced air supply inlet	6 feet	3 feet above air inlet
N	clearance above paved sidewalk or paved driveway located on public property	7 feet	7 feet
P	clearance under veranda, porch, deck, or balcony	22 inches to combustibles 16 inches to non-combustibles	22 inches to combustibles 16 inches to non-combustibles
Q	clearance above roof	2 feet	2 feet
R	clearance to adjacent walls and neighboring buildings	2 feet	18 inches
S	clearance from corner in recessed location	12 inches	12 inches
T	Maximum depth of recessed location	4 feet	4 feet
U	Maximum width for back wall of recessed location	2 feet	2 feet
V	Horizontal clearance between two terminations that are level	0	0
W	Horizontal clearance (centre to centre) between two terminations that are not level	18 inches	18 inches

Note 1: For N a vent shall not terminate directly above the sidewalk or paved driveway which is located between two single family dwellings and serve both dwelling.

Note 2: For P only permitted if veranda, porch, deck, or balcony is fully open on a minimum of two sides beneath the floor

Note 3: For J, K, and as specified in CGA B149 installation code. Local codes or regulations may vary.

\* Based on CGA B149.1 Natural Gas and Propane installation code. Local codes may vary, please check with local regulatory agency.

\*\* Based on ANSI Z223.1/NFPA 54 National Fuel Gas Code. Local codes may vary, please check with local regulatory agency.

## Appendix B: Warranty

### MONTIGO RESIDENTIAL WARRANTY PROGRAM

Canadian Heating Products Inc. and/or Montigo DelRay Corp (collectively referred to herein as "The Companies"), warrants the Montigo gas appliance (referred to herein as 'the appliance') to be free from defects in materials and workmanship at the time of manufacture. The gas appliance and related components are further subject to the terms and conditions set forth below.

**This warranty covers the following Montigo product series: Distinction, H, I, L, Linear P and PL, R and Mahana**

Component	Coverage Period	Labor Coverage
Firebox, heat exchanger	15 years	1 year
Main burner	15 years	1 year
Gas control valve and related control components (pilot assembly, spark electrode flame sensors, thermopile)	1 year	1 year
Electrical components (internal blowers, ignition control module, wiring, switches, remote control systems, blower control module, accent bulbs)	1 year	1 year
Firebox media (logset, glass beads, river rocks)	1 year	1 year
Glass (thermal breakage)	1 year	1 year
Plated, painted finishes (including interior reflective glass)	1 year	1 year
Refractory lining	1 year	1 year
Mesh/Glass safety barriers	1 year	1 year
Power Vent Control box	1 year	1 year
Montigo Venting (excluding terminations)	15 years	1 year

### QUALIFICATIONS TO THE WARRANTY

This Warranty only covers gas appliances installed in the United States or Canada.

To receive the benefits of this warranty, the appliance must be purchased, installed and serviced annually by a dealer authorized by the Companies for the warranty to be valid.

The gas appliance must be installed by a licensed professional in accordance with The Companies' installation instructions and local building codes. The warranty on the appliance covers only components manufactured by The Companies. The use of components manufactured or supplied by other manufacturers and used in conjunction with the appliance could create serious safety hazards, may result in the denial of certification by recognized national safety agencies and could violate local building codes. Such use may untimely void this warranty. This warranty does not cover any damages occurring from the use of any components not manufactured or supplied by The Companies.

The appliance must be subjected to normal use. The appliance is designed to burn natural gas (NG) or liquefied petroleum (LP) only. Burning conventional fireplace fuels such as wood, coal or any other solid fuel will cause damage to the appliance, produce excessive temperatures will result in a fire hazard and void all warranties. This warranty is transferable. The appliance must remain in its original place of installation to be valid.

If the components of the appliance covered by this warranty are found to be defective within the time frame stated (see The Companies investigation of claims), the companies will, at its option, replace or repair defective components of the appliance manufactured by the company at no charge and will also pay for labor costs (in accordance with schedule) incurred in replacing or repairing components. If repair or replacement is not commercially practical, the companies will, at its sole discretion, provide a current or most like unit, excluding the cost of labor unless the labor is covered by the terms of the warranty.

This warranty covers only parts and labor as provided above. In no case shall the companies be responsible for materials, components or construction. All replacement or repair components will be shipped F.O.B. from the nearest Company factory.

### LIMITATION ON LIABILITY

It is agreed and understood that The Companies sole obligation, and purchaser's exclusive remedy under this warranty, under any other warranty, expressed or implied, or in contract, tort or otherwise, shall be limited to repair or replacement as specified above. The opinion of The Companies with respect to these matters shall be final.

In no event shall The Companies be responsible for any incidental or consequential damages caused by (but not limited to) improper installation, installation by an unqualified or unauthorized installer, accident, lack of regular maintenance, user error, abuse, misuse, Acts of God, power surges, floods, natural disasters, force majeure, defects in its appliance whether such damage occurs or is discovered before or after replacement or repair, and whether or not such damage is caused by The Companies negligence. Some jurisdictions do not allow the exclusion or limitation of incidental or consequential damages, so the above limitation or exclusion may not apply to you. The duration of any implied warranty with respect to the appliance is limited to the duration of the foregoing warranty. Some jurisdictions do not allow limitations on how long an implied warranty lasts, so the above limitation or exclusion may not apply to you.

## Appendix B: Warranty Continued

### EXCLUSIONS TO WARRANTY

Corrosion or rust of any kind due to a lack of maintenance, inadequate combustion air or improper venting and corrosive chemicals/environments, expansion and contraction of metals or minor movements of components causing noise are not covered by this warranty.

Willful misconduct (i.e. use of the appliance with problems known to the purchaser and causing further damages), including unauthorized or self-performed 'fixing' or exploration of the appliance's internal workings will void the warranty.

Appliances on which the serial number has been altered, defaced, removed or made illegible will void the warranty.

Costs incurred for diagnosis, service work, shipping and handling of defective or replacement parts are not covered under this warranty.

The published warranties are not applicable for any equipment manufactured by The Companies that has been sold direct to the consumer via internet or auction websites. The Companies do not endorse, approve or certify any online sale of its products through auction websites, online retailers or any other method of online sales direct to consumers.

### INVESTIGATION OF CLAIMS AGAINST WARRANTY

The Companies reserve the right to investigate any and all claims against this warranty and decide upon method of settlement.

The Companies are not responsible for work done without written consent of The Companies.

The Companies shall in no event be responsible for any warranty work done without first obtaining the Companies written consent.

The Companies employees and dealers have no authority to make any warranties to neither alter this warranty nor authorize any remedies in addition to or inconsistent with those stated within this warranty.

### IF WARRANTY SERVICE IS NEEDED

To make a claim under this warranty, contact your installing dealer or contractor. The installing dealer is responsible for providing service and will contact the companies to initiate warranted parts replacements. In the event the installing dealer is unavailable, contact your nearest authorized Montigo dealer ([www.Montigo.com](http://www.Montigo.com)) or contact Montigo direct at [techsupport@montigo.com](mailto:techsupport@montigo.com). Ensure you have your sales receipt and the model and serial number of your appliance.

### DO NOT ATTEMPT TO DO ANY SERVICE WORK YOURSELF

If you cannot locate the installing dealer, or nearest dealer/distributor, you must notify The Companies in writing, colors, styles and products.

### USA Offices

6955 Salashan Parkway  
Ferndale WA, 98248  
[techsupport@montigo.com](mailto:techsupport@montigo.com)

### Canadian Offices

27342 Gloucester Way  
Langley, BC V4W 4A1  
[techsupport@montigo.com](mailto:techsupport@montigo.com)

The terms and conditions of this warranty may be altered or amended from time to time without prior notice.

**WARRANTY PERIOD:** Warranty coverage begins on the date of original purchase. In the case of new construction, warranty coverage begins on the date of first occupancy of the dwelling or six months after the sale of the product by an independent, authorized Company dealer/ distributor, whichever occurs earlier.

## Appendix C: Amendment

### (Gas Fireplace / Equipment sold in the State of Massachusetts) 5.08: Modifications to NFPA-54, Chapter 10

- (1) Revise NFPA-54 section 10.5.4.2 by adding a second exception as follows:

Existing chimneys shall be permitted to have their use continued when a gas conversion burner is installed, and shall be equipped with a manually reset device that will automatically shut off the gas to the burner in the event of a sustained back-draft.

- (2) Revise 10.8.3 by adding the following additional requirements:

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

1. **INSTALLATION OF CARBON MONOXIDE DETECTORS.** At the time of installation of the side wall horizontal vented gas fueled equipment, the installing plumber or gas fitter shall observe that a hard wired carbon monoxide detector with an alarm and battery back-up is installed on the floor level where the gas equipment is to be installed. In addition, the installing plumber or gas fitter shall observe that a battery operated or hard wired carbon monoxide detector with an alarm is installed on each additional level of the dwelling, building or structure served by the side wall horizontal vented gas fueled equipment. It shall be the responsibility of the property owner to secure the services of qualified licensed professionals for the installation of hard wired carbon monoxide detectors
  - a. In the event that the side wall horizontally vented gas fueled equipment is installed in a crawl space or an attic, the hard wired carbon monoxide detector with alarm and battery back-up may be installed on the next adjacent floor level.
  - b. In the event that the requirements of this subdivision can not be met at the time of completion of installation, the owner shall have a period of thirty (30) days to comply with the above requirements; provided, however, that during said thirty (30) day period, a battery operated carbon monoxide detector with an alarm shall be installed.
2. **APPROVED CARBON MONOXIDE DETECTORS.** Each carbon monoxide detector as required in accordance with the above provisions shall comply with NFPA 720 and be ANSI/UL 2042 listed and IAS certified.
3. **SIGNAGE.** A metal or plastic identification plate shall be permanently mounted to the exterior of the building at a minimum height of eight (8) feet above grade directly in line with the exhaust vent terminal for the horizontally vented gas fueled heating appliance or equipment. The sign shall read, in print size no less than one-half (1/2) inch in size, "GAS VENT DIRECTLY BELOW. KEEP CLEAR OF ALL OBSTRUCTIONS".

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

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

1. The equipment listed in Chapter 10 entitled "Equipment Not Required To Be Vented" in the most current edition of NFPA 54 as adopted by the Board; and
  2. Product Approved side wall horizontally vented gas fueled equipment installed in a room or structure separate from the dwelling, building or structure used in whole or in part for residential purposes.
- (c) **MANUFACTURER REQUIREMENTS - GAS EQUIPMENT VENTING SYSTEM PROVIDED.** When the manufacturer of Product Approved side wall horizontally vented gas equipment provides a venting system design or venting system components with the equipment, the instructions provided by the manufacturer for installation of the equipment and the venting system shall include:
1. Detailed instructions for the installation of the venting system design or the venting system components; and
  2. A complete parts list for the venting system design or venting system.
- (d) **MANUFACTURER REQUIREMENTS - GAS EQUIPMENT VENTING SYSTEM NOT PROVIDED.** When the manufacturer of a Product Approved side wall horizontally vented gas fueled equipment does not provide the parts for venting the flue gases, but identifies "special venting systems", the following requirements shall be satisfied by the manufacturer:
1. The referenced "special venting system" instructions shall be included with the appliance or equipment installation instructions; and
  2. The "special venting systems" shall be Product Approved by the Board, and the instructions for that system shall include a parts list and detailed installation instructions.
- (e) A copy of all installation instructions for all Product Approved side wall horizontally vented gas fueled equipment, all venting instructions, all parts lists for venting instructions, and/or all venting design instructions shall remain with the appliance or equipment at the completion of the installation.

- (3) After NFPA-54 section 10.10.4.2 add a new section 10.10.4.3 as follows:

When more than four gas appliances are to be vented through a common gas vent or common horizontal vent manifold, a plan of the proposed vent installation shall be submitted to the Inspector and the serving gas supplier for review and approval.

Extraction from: Massachusetts Rules and Regulations

5.00: Amendments To 2002 Edition Of ANSI Z223.1-NFPA-54

# **H34DF, HLB34DF, HLB34DF-2**

## Single Sided Gas Fireplace

This image shows a full page of blank white paper with horizontal ruling lines. The lines are evenly spaced and run across the width of the page, typical of notebook or legal stationery. There are no margins, text, or other markings present.