



WARNING: If the information in this manual is not followed exactly, a fire or explosion may result causing property damage, personal injury or loss of life.

- Do not store or use gasoline or other flammable vapors or 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 neighbor's phone. Follow the gas suppliers instructions
- If you can not reach your gas supplier, call the fire department

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

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

57-DVRS50N

DIRECT VENT GAS FIREPLACE HEATER

SERIAL NUMBERS 510095 AND HIGHER

USERS' INSTALLATION OPERATION AND MAINTENANCE MANUAL

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

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



DANGER

HOT GLASS WILL CAUSE BURNS.

DO NOT TOUCH GLASS UNTIL COOLED.

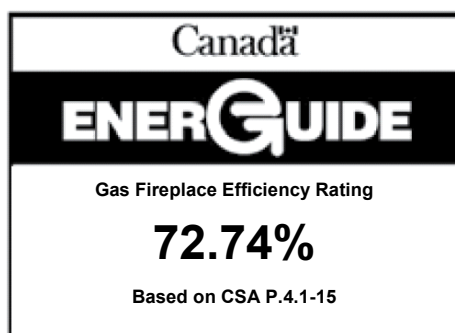
NEVER ALLOW CHILDREN TO TOUCH GLASS.



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.



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



Archgard Fireplace Products
7116 Beatty Dr
Mission, BC V2V 6B4
Canada

200-0057-10

April 27, 2021

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INTRODUCTION

Congratulations on choosing an Brigantia fireplace!

The 57-DVRS50N is one of the most advanced direct vent fireplace heaters available. It is solidly designed using the latest technology and manufactured to the highest quality. It is our aim to provide you with an appliance for many trouble-free years of reliable service.

The following are just some of the many features of your new gas fireplace:

Heater Classification	The 57-DVRS50N is classified as a heating appliance. In conjunction with an optional thermostat, it can be operated continuously for zone heating.
High Efficiency	The 57-DVRS50N has one of the highest efficiencies of any fireplace, which means that it is less expensive to operate.
Adjustable Flame	The flame aesthetics and heat output can be adjusted to suit your heating needs.
Solid Construction	The 57-DVRS50N is constructed mainly of 14 and 18 gauge galvanized and aluminized steel for long life and durability.
Electronic Control System	This fireplace uses a gas control valve that is operated by a Multi-function Remote Control. It can be set up as either an Intermittent Pilot Ignition (IPI) system, or Continuous Pilot on Demand Ignition (CPI) system (also known as a Pilot on Demand (POD)).

CPI vs IPI:

Continuous Pilot on Demand Ignition (CPI): In this mode the pilot runs continuously even when the main burner is off. The Continuous Pilot on Demand Ignition operates on a seven day cycle. If the main burner is not turned on for seven continuous days, the pilot will turn itself off. When the main burner is lit again the cycle repeats. The pilot will remain lit for seven days, even after the main burner is turned off. If the main burner is lit during a seven day timing cycle, the seven day timer will reset.


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

This appliance is shipped in IPI mode. IPI mode is often the preferred method, however, there are some situations where it may be preferable to switch the fireplace into CPI mode. For example, in colder climates the glass door or the front of the fireplace could become very cold to the touch. Dynamic Start Advantage will solve most problems experienced by older IPI operated fireplaces.

Please read the manual carefully prior to installation and operation of the appliance. Proper installation, operation and maintenance of the appliance will provide you with many years of enjoyment.

RATING PLATE

DO NOT REMOVE THIS LABEL



MODEL: 57-DVRS50N
Manufactured as Natural Gas.

VENTED GAS FIREPLACE HEATER
Tested to: ANSI Z21.88-2017 / CSA 2.33-2017, CSA - P.4.1-15, and CSA C22.2 No.3 - M1988(R.2014).
This vented gas fireplace heater is not for use with air filters. Certified for use in both CANADA and USA.

VENTED GAS FIREPLACE HEATER-NOT FOR USE WITH SOLID FUEL.

	NG	LPG
Input rating	21,000 - 50,000 BTU/hr (6.1 - 14.7 kW)	19,000 - 50,000 BTU/hr (5.6 - 14.7 kW)
Manifold Pressure	1.6 - 3.5 in. W.C. (0.4 - 0.9 kPa)	1.0 - 6.4 in. W.C. (2.5 - 1.6 kPa)
Orifice size - Center	#35 DMS (2.79 mm dia.) x 1	#33 DMS (1.51 mm dia.) x 1
Orifice size - Sides	#48 DMS (1.93 mm dia.) x 2	#38 DMS (1.07 mm dia.) x 2
Supply pressure (Min - Max)	5.0 - 14.0 in. W.C. (1.25 - 3.5 kPa)	5.0 - 14.0 in. W.C. (2.74 - 3.5 kPa)
Burner Primary Air Setting	1/16" (3mm) Open	1/4" (12mm) Open
Altitude	0 - 2000 ft (0 - 610 m)	0 - 2000 ft (0 - 610 m)
Electrical rating	120 V, 60 Hz, less than 2 A.	
Gas Control	S1385 Proflame II with Continuous P.O.D.	
P.4.1 Fireplace Efficiency (FE)	72.74%	
Keep burner and control compartment clean. See instructions accompanying the heater.	Minimum clearances to Combustibles: Chase side, back & top from fireplace standoffs: 0" (0 cm). Interior side, from fireplace door 18" (45.72 cm). Mantle: 8" (20.32 cm) mantle at min 18" (45.72 cm) from the top of the fireplace door. Vent pipe: Sides & Bottom: 1" (2.54 cm), Top: 2" (5.08 cm). Ceiling: 30" (76.20 cm) from the top of the fireplace door. See owner's manual for additional dimensions and clearances	
Optional fuel conversion kit: See Manual		

This appliance must be installed in accordance with local codes, if any; if none, follow the National Fuel Gas Code, ANSI Z223.1/NFPA 54, or Natural Gas and Propane Installation Codes, CSA B149.1. Electrical connections and grounding must be in accordance with local codes, if any; if none, follow the current CAN/CSA C22.1 in Canada and ANSI/NFPA 70 in the US. This appliance is certified for installation in a bedroom or a bed sitting room. This appliance is only for use with the gas indicated on the rating plate and may be installed in an aftermarket, permanently located, manufactured (mobile) home where not prohibited by local codes. See owner's manual for details. This appliance is not convertible with other gases, unless a certified kit is used.

WARNING: Improper installation, adjustment, alteration, service, or maintenance can cause injury or property damage. Refer to the owner's information manual provided with this appliance. For assistance or additional information consult a qualified installer, service agency, or the gas supplier. This appliance must be properly connected to a Direct Vent venting system in accordance with the manufacturer's installation instructions.



WARNING: Failure to install this appliance per the manufacturer's instructions or failure to use only parts specifically approved with this appliance may result in property damage or personal injury.

WARNING: Do not operate the appliance until all sections have been assembled and installed in accordance with the manufacturer's instructions.

WARNING: Operation of this appliance when not connected to a properly installed and maintained venting system can result in carbon monoxide (CO) poisoning and possible death.

ONLY DOORS CERTIFIED WITH THE APPLIANCE SHALL BE USED.
For use only with barrier part #57-BS. Follow installation instructions.

Made in Canada by:
Arehard Industries Ltd.
7116 Battie Dr., Mission, BC
February 2020 303-6057-04

MANUFACTURE DATE:	2020	2021	2022	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
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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: _____			
Appliance Install:	YES	IF NO, WHY NOT?	
Standoffs and side nailing flanges are installed.			
Fireplace is leveled and secured.			
Venting:	YES	IF NO, WHY NOT?	
Venting configuration complies with vent diagrams.			
Venting installed and secured in place maintaining proper clearances.			
Maintained 1/4" rise for every 1 ft. on horizontal run.			
Terminations installed and sealed in compliance with local building code.			
Direct vent termination is highest point in vent assembly.			
Wiring / Electrical:	YES	IF NO, WHY NOT?	
Connected to household 110/120v per local codes.			
Unit is properly grounded.			
Gas:	YES	IF NO, WHY NOT?	
Proper appliance for fuel type?			
Was a conversion performed?			
Leak check performed & inlet and manifold pressures verified?			
Verified proper air shutter setting?			
Finishing	YES	IF NO, WHY NOT?	
Only noncombustible material installed in noncombustible areas.			
Clearances meet installation manual requirements.			
Mantels and/or projections comply with install manual.			
Appliance Setup:	YES	IF NO, WHY NOT?	
Burner media / log set, glass door, and screen installed according to manual			
Manual given to home owner.			
Did you check flame modulation?			
Comments: _____			

Safety Information

Caution

FOR YOUR SAFETY - Do not install or operate your **57-DVRS50N** without reading and understanding this manual. Any installation or operational deviation from this instruction manual voids the warranty and may prove hazardous.

- This appliance must be installed by a qualified gas installer and the installation must conform to the installation codes
- Provide adequate clearance around air openings into combustion chamber
- Never obstruct front openings
- Provide adequate clearances for proper operation and servicing of the appliance
- This appliance must be properly connected to an approved venting system and must not be connected to a chimney flue serving a separate solid fuel burning appliance
- Flow of combustion and ventilation air must not be obstructed - always provide adequate combustion and ventilation air
- Always provide adequate clearance around the intake and exhaust openings

Safety

- Due to high temperatures, the appliance should be located out of traffic and away from furniture and draperies
- Children and adults should be alerted to the hazards of high surface temperature and stay away to avoid burns or clothing ignition
- If this appliance is installed directly on carpeting, tile, or other combustible material other than wood flooring, the appliance shall be installed on a metal or wood panel extending the full width and depth of the appliance
- Young children should be carefully supervised when they are in the same room as the appliance. Toddlers, young children and others may be susceptible to accidental contact burns. A physical barrier is recommended if there are at risk individuals in the house. To restrict access to a fireplace or stove, install an adjustable safety gate to keep toddlers, young children and other at risk individuals out of the room and away from hot surfaces
- Do not store or place combustibles, gasoline, and other flammable vapors and liquids near the appliance
- Clothing or other flammable material should not be placed on or near the appliance
- **WARNING:** Do not operate appliance with the glass front removed, cracked, or broken. Removal of the glass should be done by a licensed or qualified service person. Do not to strike or slam the glass
- Any safety screen or guard removed for servicing an appliance must be replaced prior to operating
- Installation and Repair should be done by a qualified service person. The appliance should be inspected before use and at least annually by a professional service person. More frequent cleaning may be required due to excessive lint from carpeting, bedding materials, etc. It is imperative that the control compartments, burners and circulating air passageways of the appliance are kept clean
- Under no circumstances should any solid fuel (wood, coal, paper or cardboard, etc.) be used in this appliance
- Keep burner and control compartment clean
- 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
- **California Proposition 65 Warning:** This product can expose you to chemicals including Carbon Monoxide, that is an externally vented by-product of fuel combustion, which is [are] known to the State of California to cause cancer, birth defects, or other reproductive harm. For more information, visit www.P65Warnings.ca.gov.

Each Archgard Gas Fireplace is checked and tested at the factory prior to being packaged and shipped to our dealers and finally installed in your home. Before leaving this unit with the customer, the installer must ensure that the appliance is firing correctly and that the electrical system is in working order. The Installation Checklist should be used to ensure the proper installation of this gas fireplace heater and to document any deviations from a typical install.

Any alteration to the product that causes carbon or soot deposits that results in any damage or requires cleaning is not the responsibility of the manufacturer.

APPLIANCE CERTIFICATION

This appliance was listed by QAI Laboratories Inc to the following USA and Canadian gas appliance standards.

- ANSI Z21.88-2017/CSA 2.33-2017 Vented Gas Fireplace Heaters
- CSA P.4.1-15 Testing method for measuring annual fireplace efficiency.
- CSA C22.2 No.3 – M1988(R.2014) – Electrical Features of Fuel-Burning Equipment

Commonwealth of Massachusetts: This appliance has been manufactured in accordance with Massachusetts code 248 CMR 5.00.

Approval Code: G3-0119-103 . (<http://license.reg.state.ma.us/public/licque.asp>).

Please contact Archgard Industries Ltd., if you have any questions regarding the certification of this appliance.

INSTALLATION CODES

This appliance must be installed by a qualified gas appliance installer. The installation must conform with the local codes or, in the absence of local codes, with the current National Fuel Gas Code ANSI Z223.1/ NFPA 54 in the US, or Installation Code CAN/CGA-B149.1 in Canada. Electrical connections and grounding must conform with local code, or current National Electrical code ANSI/NFPA No. 70-1987 in the US, and in Canada the current Canadian Electrical Code CSA C22.1.

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

SPECIFICATIONS

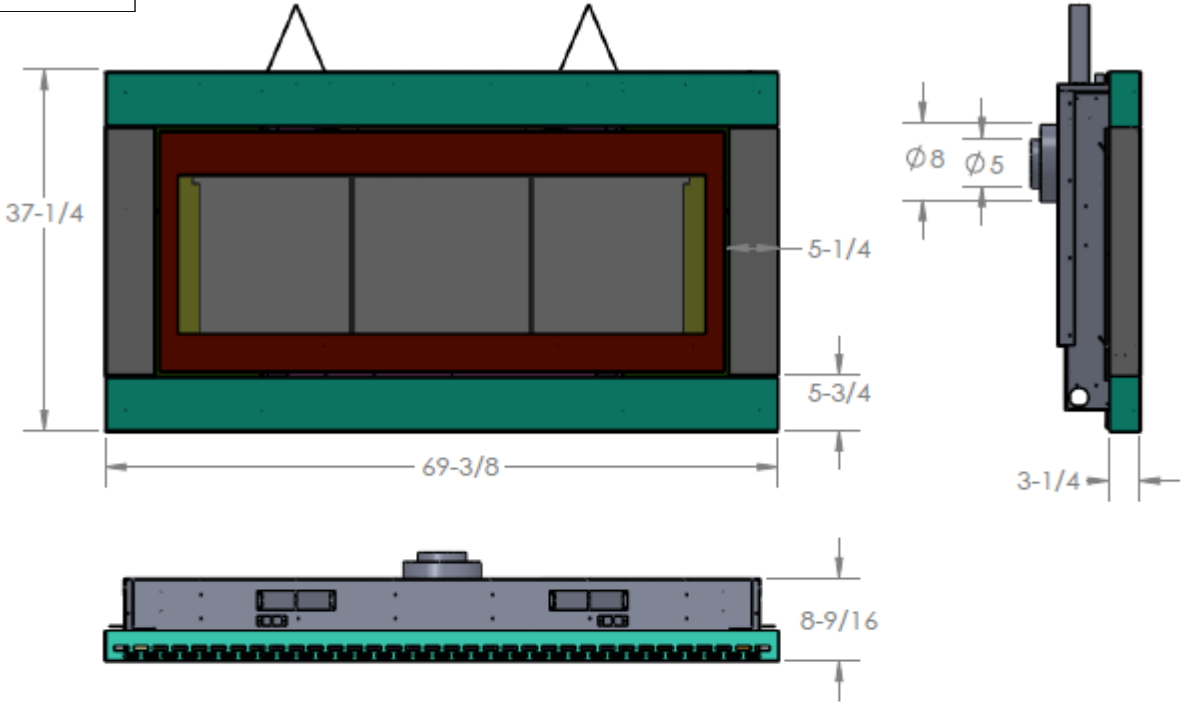
	Natural Gas (NG)	Propane (LP)
Manifold Pressure	1.6 - 3.5 in. W.C. (0.4 - 0.9 kPa)	6.4 - 10.0 in. W.C. (1.6 - 2.5 kPa)
Min. Supply Pressure	5.0 in. W.C. (1.2 kPa)	11.0 in. W.C. (2.74 kPa)
Max Supply Pressure	14.0 in. W.C. (3.5 kPa)	14.0 in. W.C. (3.5 kPa)
Orifice Size—Center	#35 DMS (2.79 mm dia) x 1	#53 DMS (1.51 mm dia) x 1
Orifice Size—Sides	#48 DMS (1.93 mm dia) x 2	#58 DMS (1.07 mm dia) x 2
Nominal Input Rating	21,000 - 50,000 BTU/hr (6.1– 14.7kW)	19,000 - 50,000 BTU/hr (5.6– 14.7kW)
P.4 Fireplace Efficiency (FE)	72.74%	72.74%
Electrical Rating	120 VAC, 60Hz less than 2 A.	120 VAC, 60Hz less than 2 A.
Gas Control	SIT 885 Proflame II with Continuous Pilot On Demand	
Altitude	0 - 2000 ft. (0 - 610 M)	0 - 2000 ft. (0 - 610 M)
Primary Air Opening	1/16" (3 mm) OPEN	1/4" (12 mm) OPEN

HIGH ALTITUDE INSTALLATION

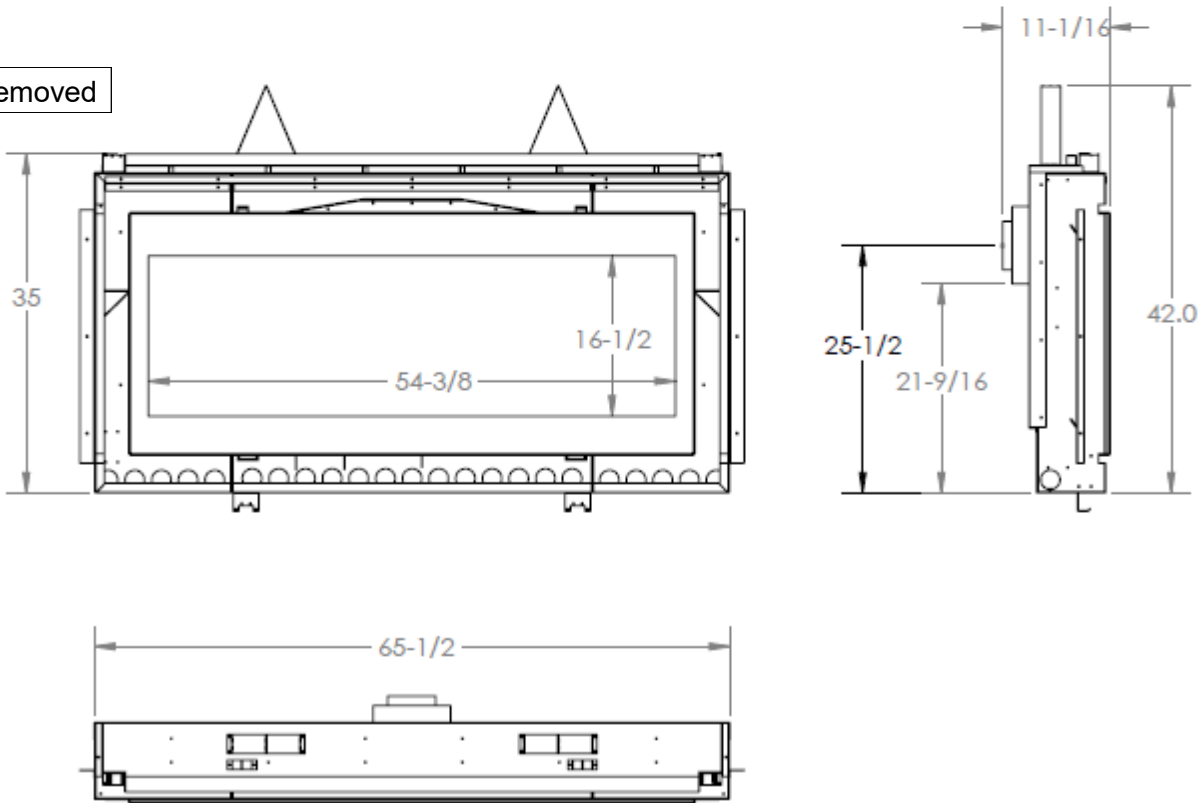
When installing this appliance beyond 2000 ft. (610M) above sea level, the appliance must be properly de-rated and installed according to local codes, in the absence of local codes, with the current National Fuel Gas Code, ANSI Z223.1/ NFPA 54, in the US or Installation Code, CAN/CGA-B149, in Canada.

APPLIANCE DIMENSIONS

Surround Attached



Surround Removed



Framing Dimensions

The following section describes the requirements for framing for the model 57-DVRS50N.

Note: Framing should be constructed as required by local building codes

2 x 6 Framing, opening in framing should be minimum of 66.50"W x 42.00"H.

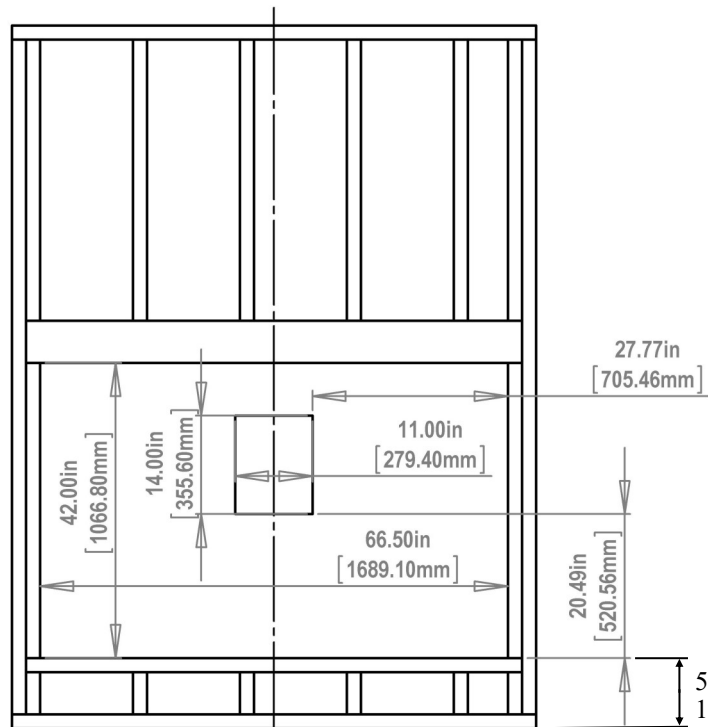


Figure 1

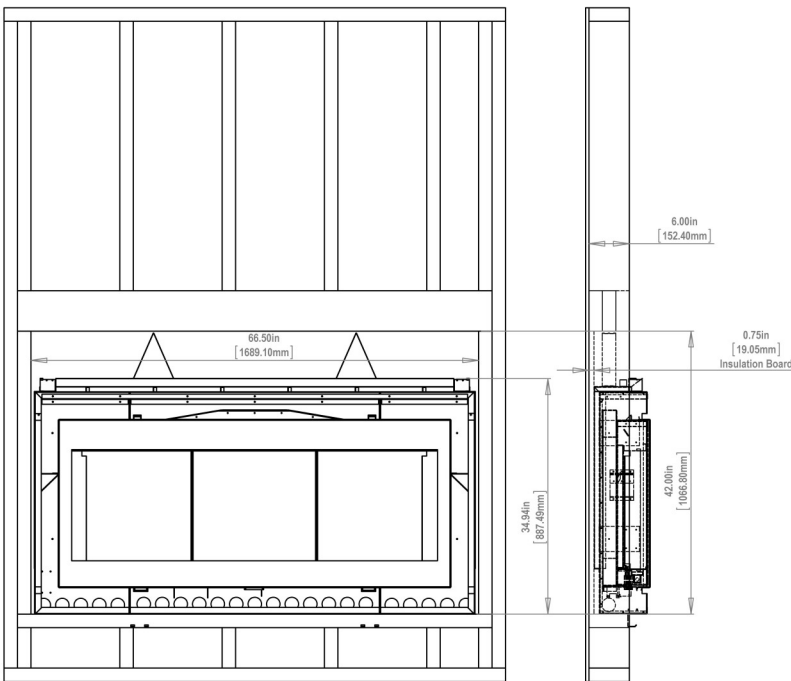
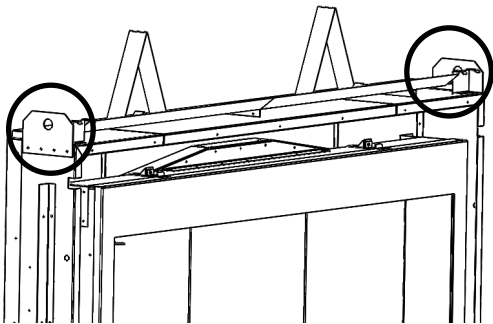


Figure 2

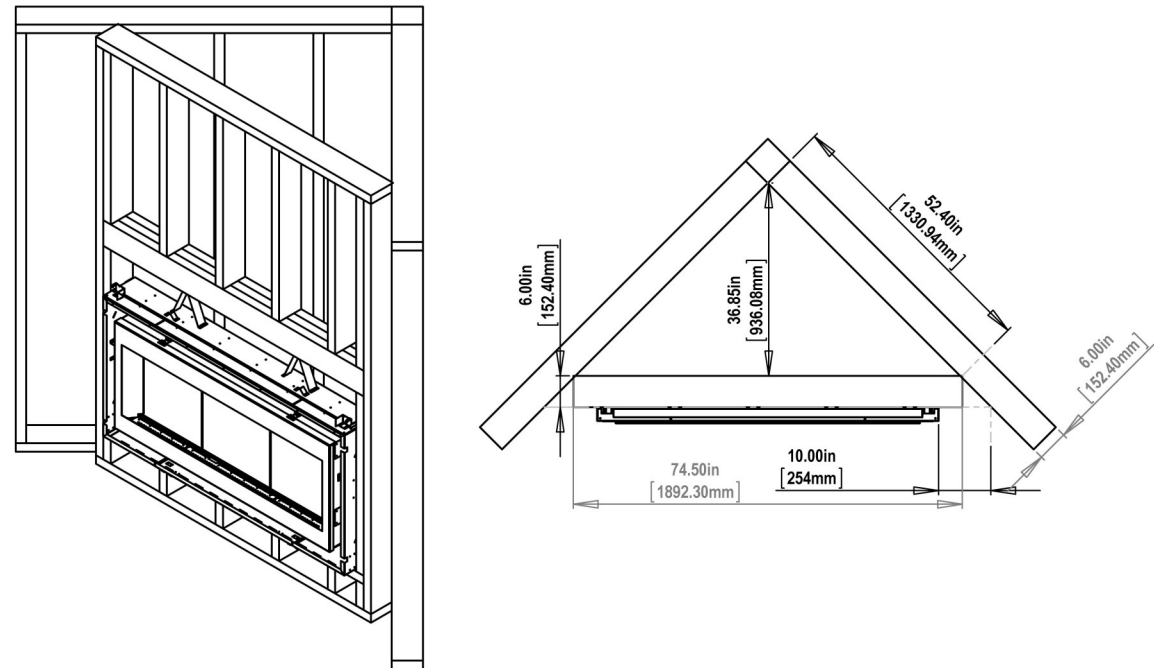
Minimum Distance to a Combustible Floor

Note: Lifting support brackets MUST be removed before placing the fireplace in framing.

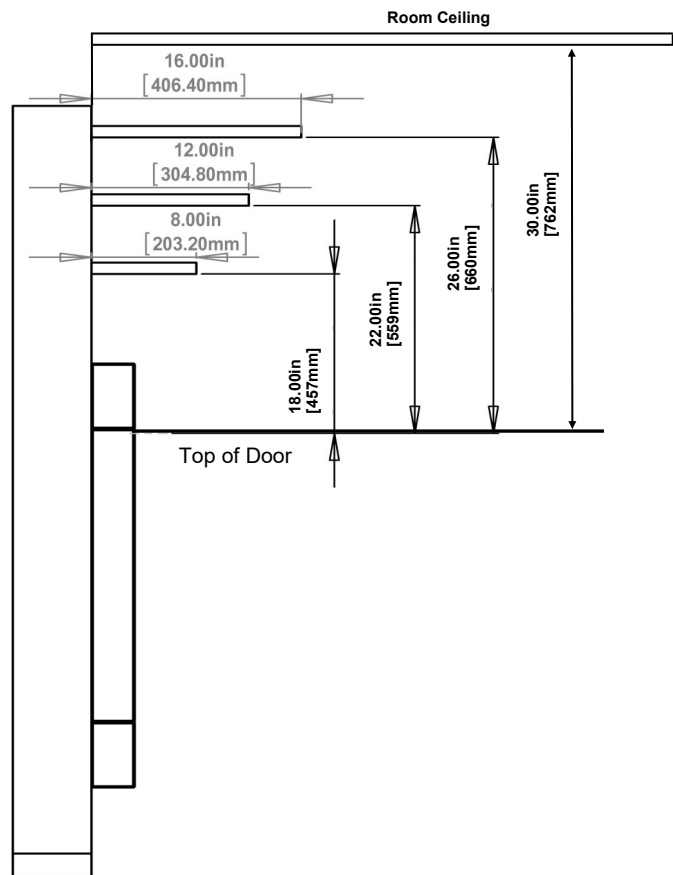


Corner Install View

Figure 3



Mantle Clearances



Clearance to Combustibles

Minimum measurements below are from the edge of door (unless otherwise noted).

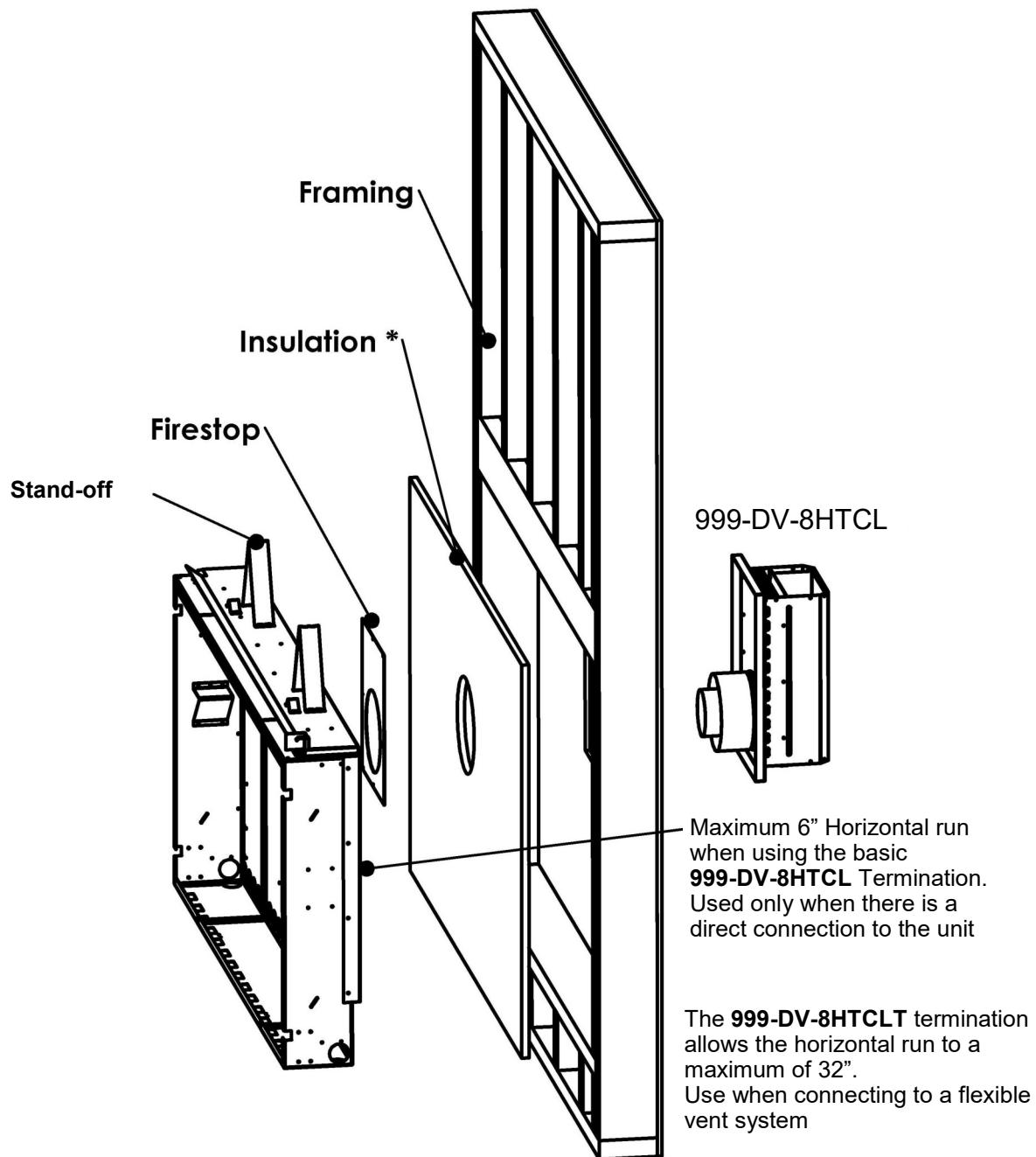
	Inches	MM
Top - to standoffs	0"	0
Sides-to standoffs	0"	0
Adjacent Side Wall	18"	457
Room Floor* (From bottom of fireplace shell)	5"	127
Vent - Top	2"	50
Vent - side/bottom	1"	25
Front	48"	1220
Room Ceiling* (From top of door)	30"	762

* Clearance to combustible floor must maintain clearances from the top surface of carpet, flooring, etc.

Installation Instructions

Exploded view rear vent installation

Figure 5



* Insulation board is recommended when installing the fireplace on an exterior wall in cold climates to reduce frost build-up inside the house.

Installation Instructions



Frame opening and cut out hole for the termination and thimble as shown in fig. #6

When installing on an exterior wall you must install the exterior wall insulation board (#57-IB). Place insulation board with the foil facing into the room. Install the wall thimble (as shown below) and seal it and the edges of the insulation board with a good quality silicone sealant to prevent cold drafts. (exterior wall only)

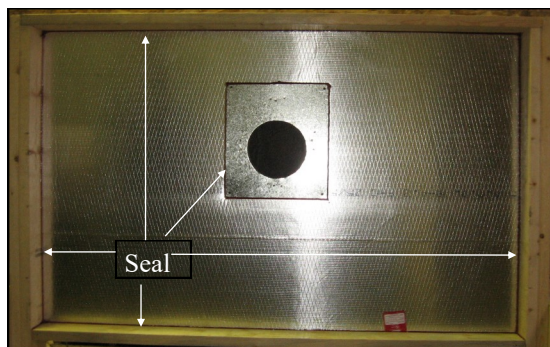
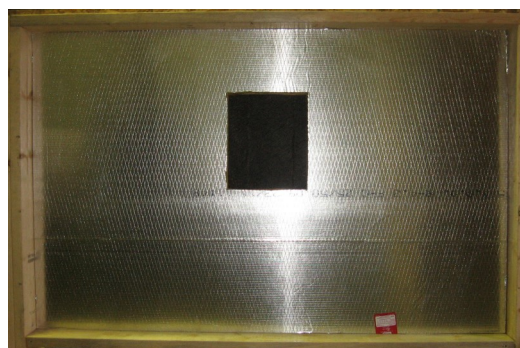


Figure 7

Nailing Flanges

Figure 8

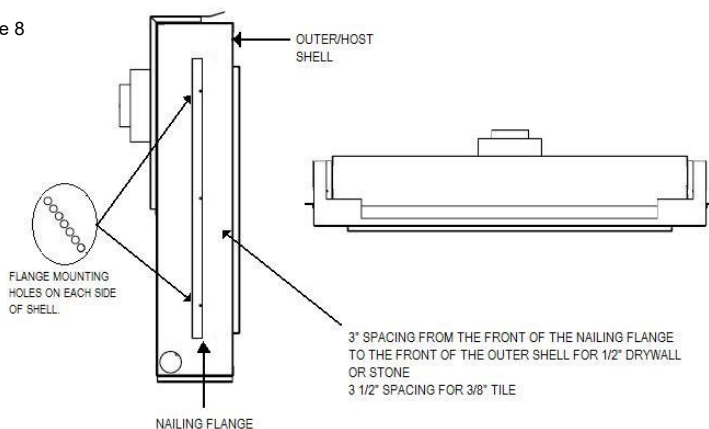
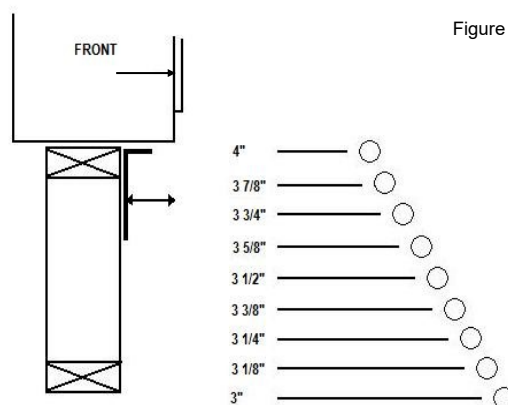


Figure 9



Install the nailing flanges provided, by screwing them to the side of the outer shell using the appropriate holes for the facing material. Place the fireplace into the framed opening and secure the nailing flanges to the wall.

Installation Instructions Cont.

Installed fireplace with stand-offs

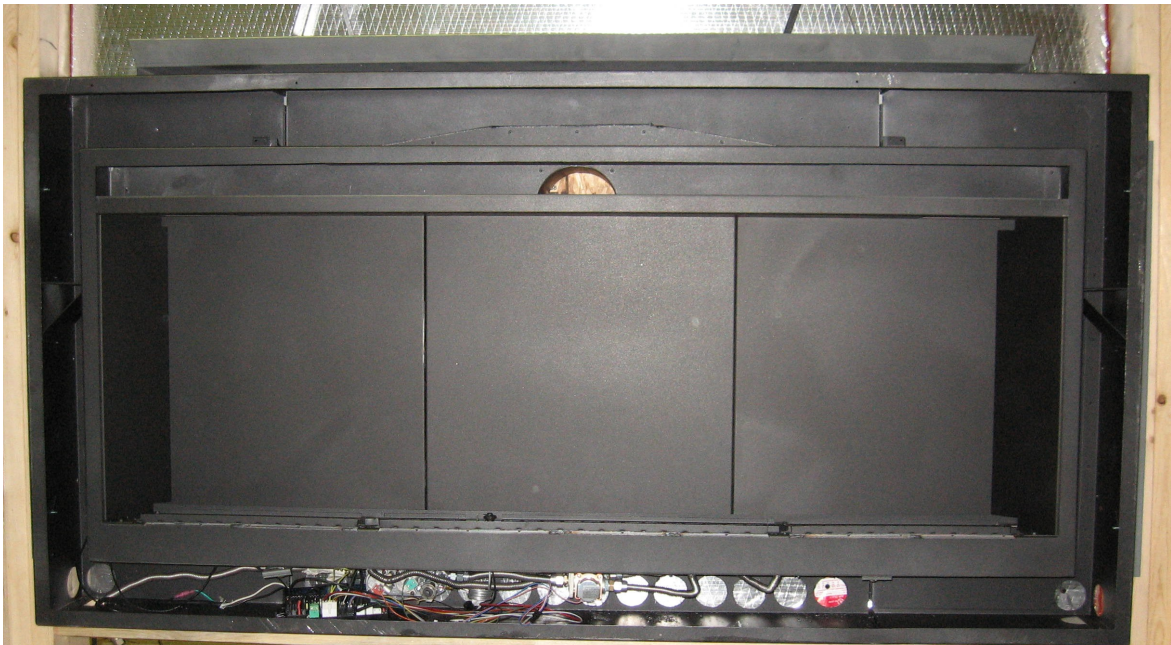


Figure 10

Figure 11



Caulk the outside portion of the vent collar to the fire-stop to prevent cold drafts. Next install the outer portion of the wall thimble and the termination.

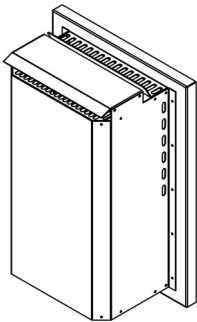
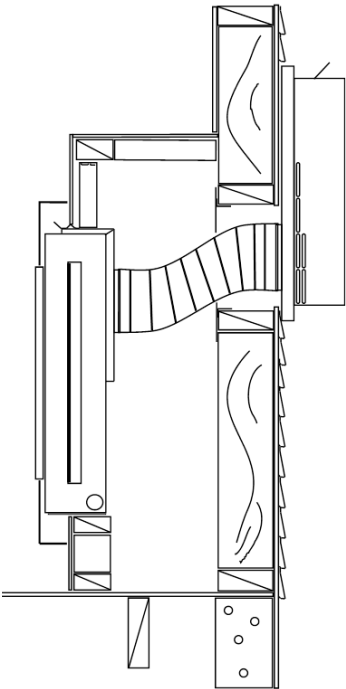


Figure 12

N O T E
For installations straight off the back of the 57-DVRS50N the Archgard 999-DV-8HTCL termination is required.
The maximum horizontal run straight out the back is 6.00" (no rise).
For horizontal venting of up to 32" use the 999-DV-8HTCLT.
When using the "TALL" termination a 1"/ft rise is recommended



Installation Instructions Cont.

The following vent systems are certified for use with the model 57-DVRS50N

Manufacturer	Termination	Adapter
Archgard	999-DV-8HTCL (Direct connect to unit) 999-DV-8HTCLT (Flex connect to unit)	N/A
Dura Vent	58DVA-HC - Square Horizontal Cap (requires adapter) 58DVA-VCH - Co-Axial High Wind Vertical Cap	Optional*: 58DVA-AD-M1
ICC/Excel	TM 5SVT - Small Vertical Term TM 5DHT - Delux Horizontal Term TM 5HT - Horizontal Term	TM-5AA7
Ameri-vent	DVC - Co-Axial Cap (requires adapter)	5DSC-N
Selkirk	Direct Temp DV Venting	5DT-AA
2-ply Aluminum	5" x 8" 2-ply Listed Aluminum Flexible pipe	N/A

* Typical installations do not require the optional adapter, however, the adapter shown may be used if needed for an atypical install.

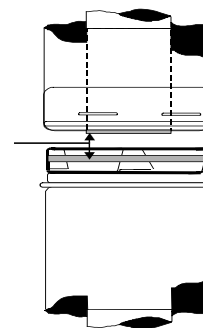
A T T E N T I O N

NO OTHER VENTING SYSTEM OR COMPONENTS MAY BE USED. Follow manufacturer instructions for installation of termination.

The listed chimney vent systems use a twist lock connection. Assemble the vent system using the desired combination of sections and elbows for your installation. Make sure you fully insert and twist the mating sections all the way to make a solid connection. Install as per manufactures instructions

If for any reason the vent pipe is disconnected it must be correctly resealed

Fig 14-A



VENTING

Clearance to combustibles

The following clearances must be maintained around the vent pipe:

Vertical runs: 1"

Horizontal runs: 2" on top, 1" sides and bottom

IMPORTANT: This appliance venting system is a sealed system (DV), which means that all combustion air is supplied from outdoors and the combustion products are exhausted to the outdoors.

Note: Only venting systems listed in this manual may be used with the model 57-DVRS50N

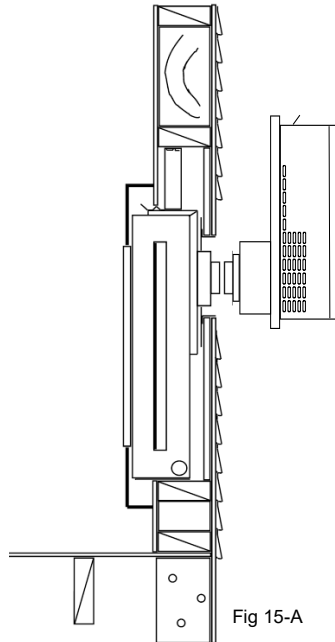
Planning your vent installation

This type of direct vent system may terminate in one of two ways: vertical termination using a vent cap, or horizontally using a wall termination. There are limitations to the vertical and/or horizontal lengths (see page 18 for venting chart).

When calculating the length of the vent pipe from the outlet of the appliance to termination, allowing for ceiling thickness, the vertical rise in the attic or second story and sufficient vertical height above the roof. Fire stops are required at each floor level the vent passes through.

Installation Instructions Cont.

Horizontal Wall Vent Terminations



Standard Installation:
Built in to exterior wall
999-DV-HTCL termination

The position of the horizontal vent termination must be positioned in such a way as to meet all local building codes.

Cut and frame the exterior wall to accept the Wall Thimble. Install the Wall Thimble shield using wood screws. If the wall being penetrated is constructed of non-combustible material concrete or block wall a 8" hole sufficient for the vent pipe is acceptable.

Venting terminals must not be recessed into wall or siding

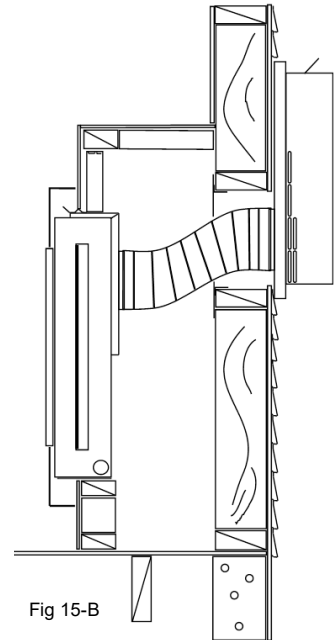
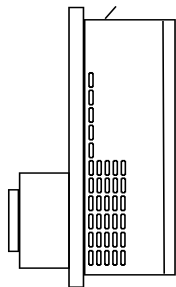


Fig 15-B

Build-in to room Installation:
Requires the
999-DV-8HTCLT termination

Standard Termination



N O T E

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

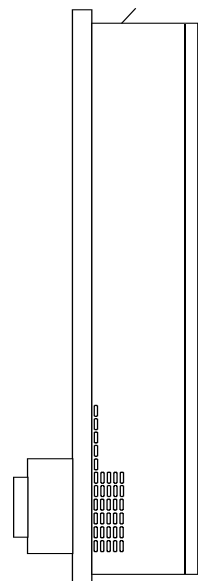
WHEN HORIZONTAL VENTING RISE IS REQUIRED SEE VENTING CHART FOR ACCEPTABLE VENTING CONFIGURATIONS

When the termination is to be attached to vinyl siding apply a bead of non-hardening mastic around the outside edge to form a seal between the standoff and the terminal. Attach the termination to the exterior wall using four wood screws through the holes in the corners. Complete the termination installation and apply a bead of mastic around the outer edge of the vinyl standoff.

With the termination installed you can now connect the completed vent assembly by sliding the unit back towards the wall and carefully inserting the pipe into the terminal.

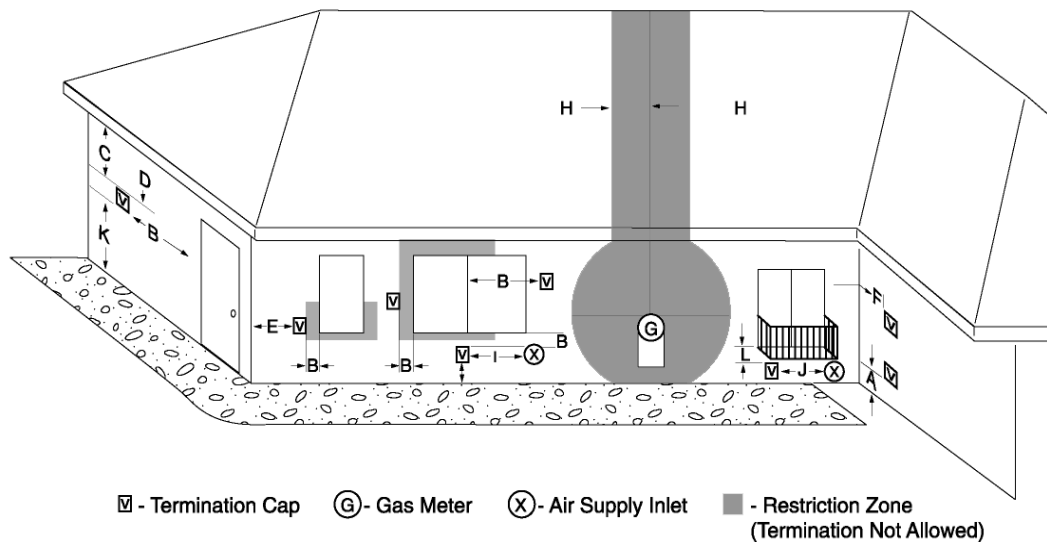
Slide the pipe into the vent, making sure that at least 1¼" overlap between the pipe and the termination.

Tall Termination



Installation Instructions Cont.

Figure 22 – Vent Termination Locations



Horizontal Installation

The horizontal run must have a 1/4" rise on an exterior wall and must meet all local and national building codes, and must not be easily blocked or obstructed. Termination clearances are as follows (see Figure 16):

- | | |
|--|---|
| <p>A. Clearance above ground, verandah, porch, deck, or balcony: 12" minimum (30 cm.)</p> <p>B. Clearance to a window or door that may be opened: 9" minimum (23 cm)</p> <p>C. Vertical clearance to a ventilated soffit located above the termination within a horizontal distance of 2 feet from the centerline of the termination: 18" minimum (46 cm). Note: Clearances are to be in accordance with local installation codes and the requirements of the gas supplier.</p> <p>D. Clearance to an unventilated soffit: 18" minimum (45 cm). Note: Clearances are to be in accordance with local installation codes and the requirements of the gas supplier.</p> <p>E. Clearance to an outside corner: 12" (30 cm). Note: Clearances are to be in accordance with local installation codes and the requirements of the gas supplier.</p> <p>F. Clearance to an inside corner: 12" (30 cm). Note: Clearances are to be in accordance with local installation codes and the requirements of the gas supplier.</p> <p>G. Do not install above a meter/regulator assembly within 3 feet (90 cm) horizontally from the centerline of the meter/</p> | <p>regulator. Note: Clearances are to be in accordance with local installation codes and the requirements of the gas supplier.</p> <p>H. Clearance to a service regulator vent outlet: 6' minimum (1.8 m)</p> <p>I. Clearance to a non-mechanical air supply inlet to a building or the combustion air inlet to any other appliance: 12" minimum (30 cm)</p> <p>J. Clearance to a mechanical air supply inlet: 6' minimum (1.8 m)</p> <p>K. Clearance above paved sidewalk or paved driveway located on public property: refer to local code</p> <p>L. Clearance under open verandah, porch, deck, or balcony: 12" minimum (30 cm). Note: Clearances are to be in accordance with local installation codes and the requirements of the gas supplier.</p> <p>M. Maximum horizontal run 5' after 2' vertical rise. Liquid Propane gas 5' horizontal run to 35' vertical rise. Natural Gas maximum 35' horizontal run with 7' vertical rise. Note: Clearances are to be in accordance with local installation codes and the requirements of the gas supplier.</p> |
|--|---|

Installation Instructions Cont.

Always maintain a 1" clearance around the vent pipe (vertical) and on horizontal venting 2" clearance on the top of the vent, when passing through ceilings, walls, roofs, enclosures, attic rafters or any combustible surfaces.

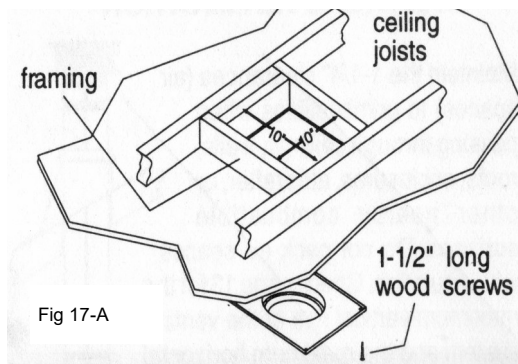
DO NOT PACK AIR SPACES WITH INSULATION.

Refer to the vent chart on page 18 for maximum allowable vertical and horizontal allowable installations.

When planning your installation, determine if ceiling joists, roof rafters or other framing will obstruct the vent system. You may have to use 45° elbows to navigate around any obstacles. When passing through a flat ceiling, install a Box/Wall thimble. Cut a 10" square hole and frame as shown in the diagram opposite.

Ensure all pipe sections are fully twist locked.

Through Roof / Floor Framing

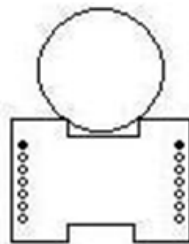


Use a suitable round or square support through the roof as supplied by the vent manufacturer.

NOTE: ALWAYS CHECK YOUR LOCAL CODES BEFORE INSTALLING VENTING. CLEARANCES, ETC, MAY VARY FROM STATE TO STATE (PROVINCE TO PROVINCE).

Adjust restrictor as required using appropriate hole position

Fig 17-B

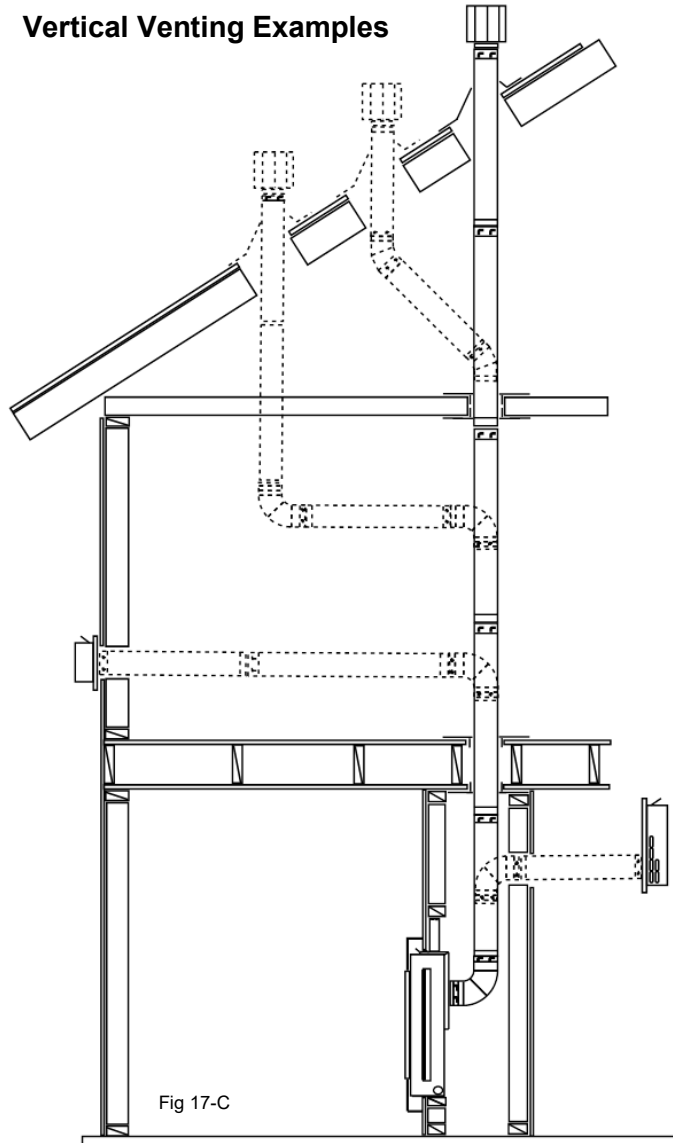


Vent Restrictors

Due to the extra flow produced by tall venting configurations the vent restrictors must be adjusted to maintain performance. The vent restrictor is designed into the appliance firebox.

When required, adjust the restrictor inside the unit firebox. Release the screws and adjust the restrictor position according to the venting charts.

Vertical Venting Examples



Installation Instructions Cont.

Venting Chart

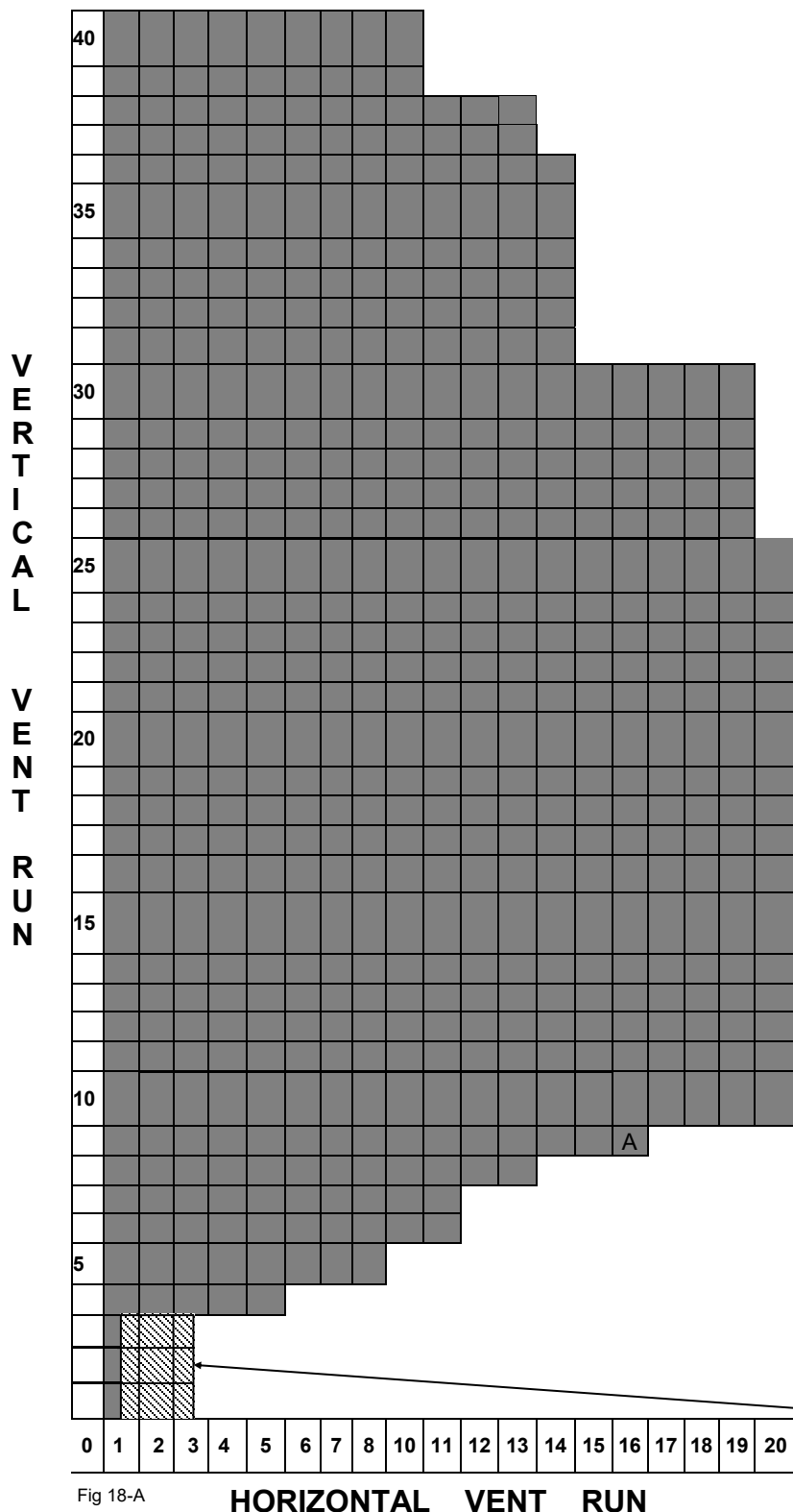


Fig 18-A

Maximum Total Venting Length

Maximum total venting allowed is 50ft. This would be when configured for 40ft vertical with 10ft horizontal.

Maximum vertical vent is 40ft.
Maximum horizontal vent is 20ft.
Minimum 10ft vertical vent rise required for maximum 20ft horizontal vent run.

See chart for allowable vent runs.

Maximum horizontal elbows allowed - 3

Note: if more than 1 90° elbow is used horizontally the maximum horizontal is reduced by 1ft.

Example:

If to reach the desired termination at point 'A' you use 2 90° elbows, you would be required to reduce the maximum horizontal from 16' to 15'.

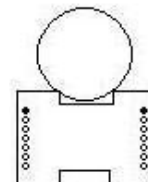
If 3 90° elbows were used to reach point 'A', the maximum horizontal would be reduced from 16' to 14'.

Restrictor

Note: The model 57 DVRS50N is supplied with an adjustable restrictor. The restrictor is not required for most installs. However if the flame is considered too lively, the restrictor may be installed and adjusted to provide the required flame picture.

Example: Using rigid pipe over 40' may require restriction.

Fig 18-B



6" - 32" Horizontal available with the use of the 999-DV-8HTCLT termination.

GAS CONNECTIONS

Before connecting the appliance to the gas supply line, double check that the appliance you have purchased is designed for the gas type you are using. The gas type markings are located on the certification label and also on the appliance’s gas valve.

Adequate clearance for proper installation and checking of the gas connections must be provided. **All gas connections must be checked for gas leaks.**

Have your gas supplier or a qualified gas fitter run a gas supply line into the fireplace. The line must be properly sized and fitted according to the installation codes. Immediately upstream of the supply connection, the fitter shall provide an accessible manual shut-off valve. When connecting the supply line to the gas valve, the installer shall brace the gas valve to ensure that the gas valve is not moved from its bracket. If the valve is not braced when the supply line is connected, the valve may be moved and cause a “break” in the main burner supply line. Such damage is not covered by the manufacturer’s warranty.

CAUTION: The appliance must be isolated from the gas supply piping system by closing its individual manual shutoff valve during any pressure-testing of the gas supply piping system at test pressures equal to or less than 1/2 psig (3.5 kPa). Failure to do so will damage the appliance’s gas valve. Such damage is not covered by the manufacturer’s warranty.

Natural Gas Pressure Settings:

The inlet supply or line pressure must be a minimum of 5.0” W.C. (1.2 kPa) and a maximum of 14.0” W.C. (3.5 kPa). The orifices are a #35 DMS (2.79 mm) drill size for the center burner and #48 DMS (1.93 mm) for the two outer burners.

ELEVATION	INPUT RATING
0-2,000 ft (0-610 M)	50,000 BTU/hr (14.7 kW)
2,000 ft (610 M) and above.	50,000 BTU/hr (14.7 kW) less 4% per 1000 ft. (305 M)

Please contact your local distributor for the appropriate orifice size you require.

Propane Pressure Settings:

The inlet supply or line pressure must be a minimum of 11.0” W.C. (2.8 kPa) and a maximum of 14.0” W.C. (3.5 kPa). The orifices are a #53 DMS (1.51 mm) drill size for the center burner and #58 DMS (1.07 mm) for the two outer burners .

ELEVATION	INPUT RATING
0-2,000 ft. (0-610 M)	50,000 BTU/hr (14.7 kW)
2,000 ft. (610 M) and above.	50,000 BTU/hr (14.7 kW) less 4% per 1000 ft. (305 M)

Please contact your local distributor for the appropriate orifice size you require.

NOTE: THE INPUT RATING SHOULD ALWAYS BE CHECKED WHEN FIRST RUNNING THIS APPLIANCE. To do this, reduce the background flow rate, time the meter, light the fireplace and take another reading after 15 minutes of operation. Check with your gas supplier for the gas BTU content at your elevation. Input is the rate of flow multiplied by the heating value of the gas (cubic feet/hour x BTU per cubic feet). Adjust the manifold pressure so that the unit does not operate above the rated input.

IMPORTANT: For high altitude installations above 2000 ft (610 meters), consult local gas distributor or the authority having jurisdiction for proper de-rating methods.

Rear Panel Installation Instructions

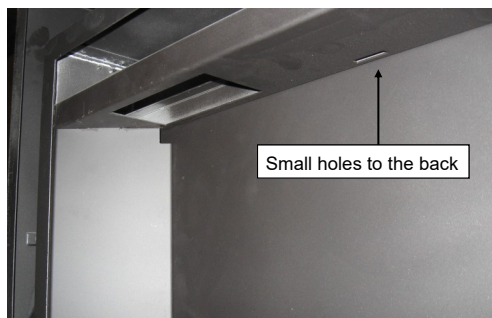
1. Hang the left and right side back panel onto the bracket in the back of the firebox. Align with the far outside edge of the bracket.
2. Hang the center back panel onto the bracket and slide the two outside panels in until they touch the center panel.



Side Panel & Baffle Installation Instructions

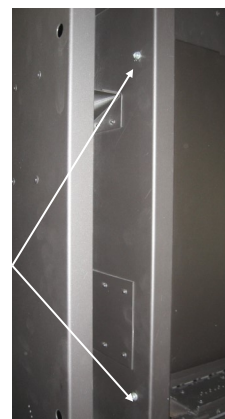


Set the right and left side panels by inserting the tabs into the slot of the support plate. Panel s should angle into the firebox (as shown)



Set the baffle on top of the side panel so the slot in the baffle sets over the tab on the side panel.

The side panels are secured thru the side of the firebox



Glass Bead Installation

Install the glass beads directly onto the burner so they are one layer deep and cover the entire burner pan. Do not use other media that is not approved by Archgard.



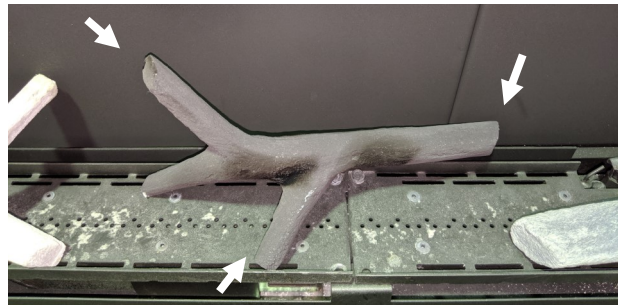
Silhouette Log Set Installation (Optional)

Your Brigantia Fireplace is approved for use with the Optional Silhouette Log Set. The logs come in White, Black, and Grey. Each set comes with 2 logs and you can install a max of 6 logs in your fireplace in any color combination you wish. To install the logs follow the directions below. The glass media has been removed in the pictures for clarity of port position relative to the logs.

Step 1: Place the first log on the far left of the fireplace as show. Make sure it is stable and sitting on the burner in front of the port at two points and leaning against the back of the firebox



Step 2: Place the second log beside the first log but turn the log so it faces opposite to the first log. The log will rest two points against the rear of the firebox and one point in front of the burner ports.



Step 3: Repeat this layout for the next four logs. Test fire the unit to make sure the flame looks good. Adjust the logs as needed.

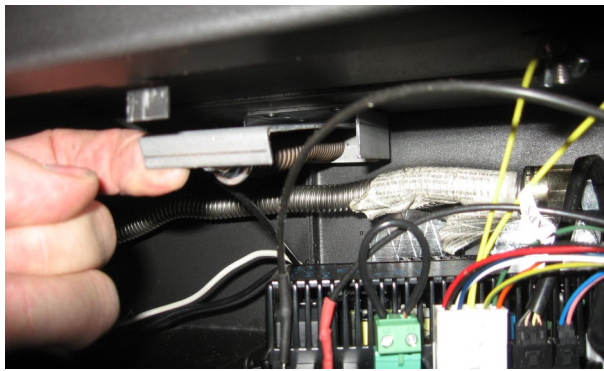


Door Installation

Install the top of the door so the slots in the door go over the tabs on the spring clips as shown to the right. Swing door down making sure it sits on top of the unit.

CAUTION: Only doors certified with the appliance shall be used. Do not use substitute glazing materials.

Beware the glass does not drop out!!



Pull the bottom spring clip out and over the tabs on the bottom of the door and release as shown below.

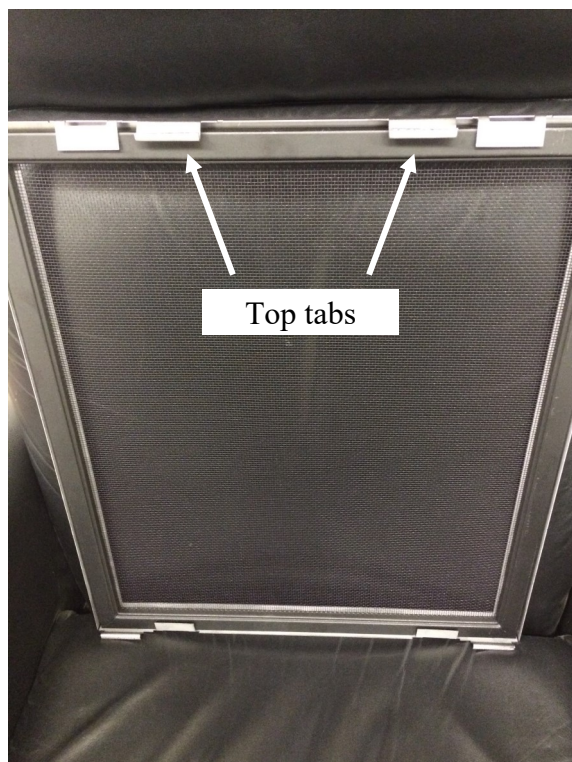
NOTE: Do not remove any components while the appliance is hot.

In the event your glass cracks or breaks, replace the original door assembly with Archgard replacement door assembly (part number 57-DB).

- Remove the barrier screen (See **Section 14.0**)
- Remove door as per the instructions above
- Replace with new door assembly and barrier screen

NOTE: the NEW door will emit some odor when the appliance is lit. The odor will dissipate after the gas-ket material within the door has cured. Be sure there are no fingerprints left on the glass panels as high temperatures can bake these prints on permanently.

Barrier Screen Installation



- Mounting tabs closer together located at the top of the screen
- Mounting tabs located on the corners at the bottom of the screen.



- Slightly twist top part of screen frame to position top mounting tabs inside upper edge of door frame



If barrier becomes damaged, the barrier shall be replaced with the manufacturer's barrier for this appliance (Part Number: 57-BS)

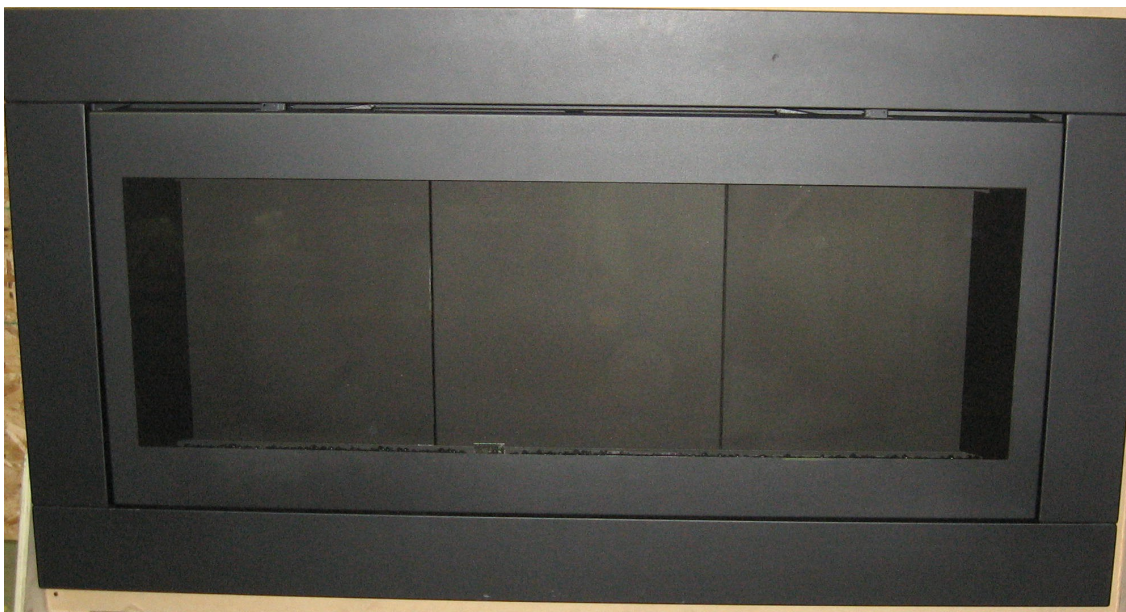
Surround Clip Installation

Install the four surround retaining clips so they are pushed back against the facing. Secure in place with the screws provided. See right



Surround Installation

The surround is held in place by clips buttons (two at the top, two at the bottom). Line up the clips with the fireplace and push until it locks in. You can adjust the surround by moving the brackets in and out on the fireplace

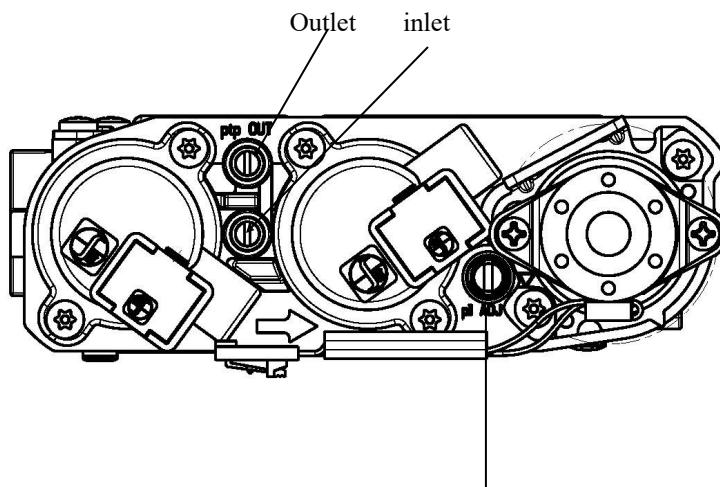


NOTE: Do not remove any components while the appliance is hot.

CHECKING INLET AND OUTLET GAS PRESSURE

1. Remove the surround.
2. The pressure test taps are located on the valve. The taps are located in the gas valve front face. The inlet is marked 'IN' and the outlet is marked 'OUT'.
3. Loosen the set screw inside the tap with a screwdriver.
4. Connect a 1/4" (6 mm) rubber tube to the tap post and a manometer.
5. Verify that the readings obtained are within specs (as shown on the appliance rating plate)
6. Be sure to tighten the set screw inside the tap after you have completed taking pressure readings.
7. Check for leaks.

Figure 18



The flame should not have yellow tips but should engulf the sensor. It can be adjusted by turning the screw marked "pilot" on the control valve.

Figure 19

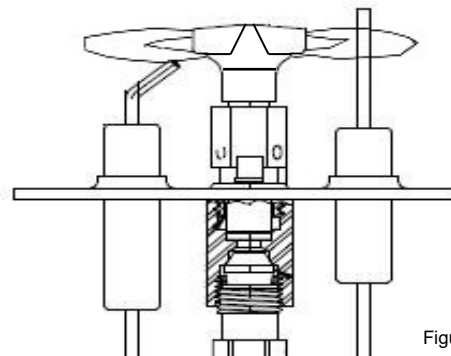
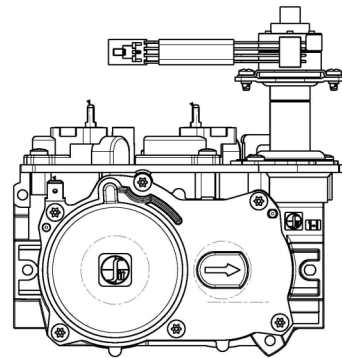


Figure 20

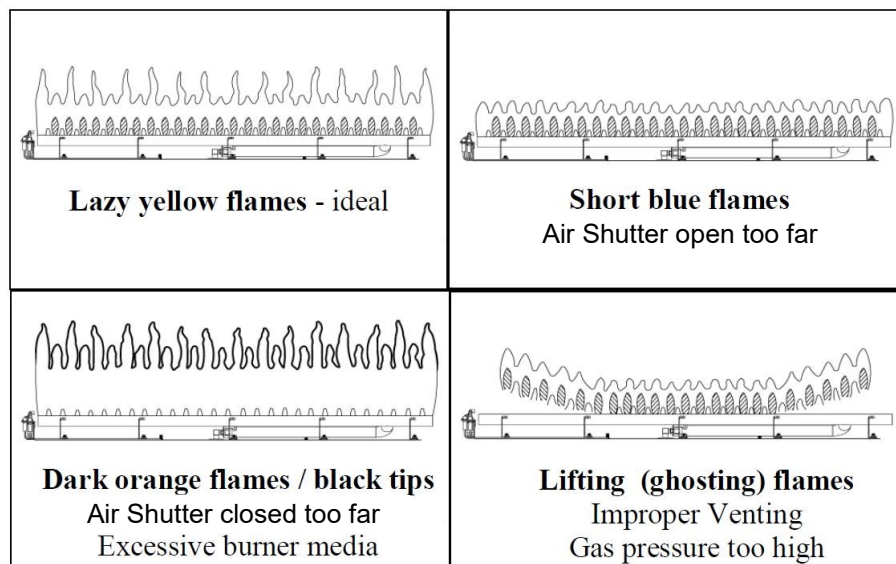
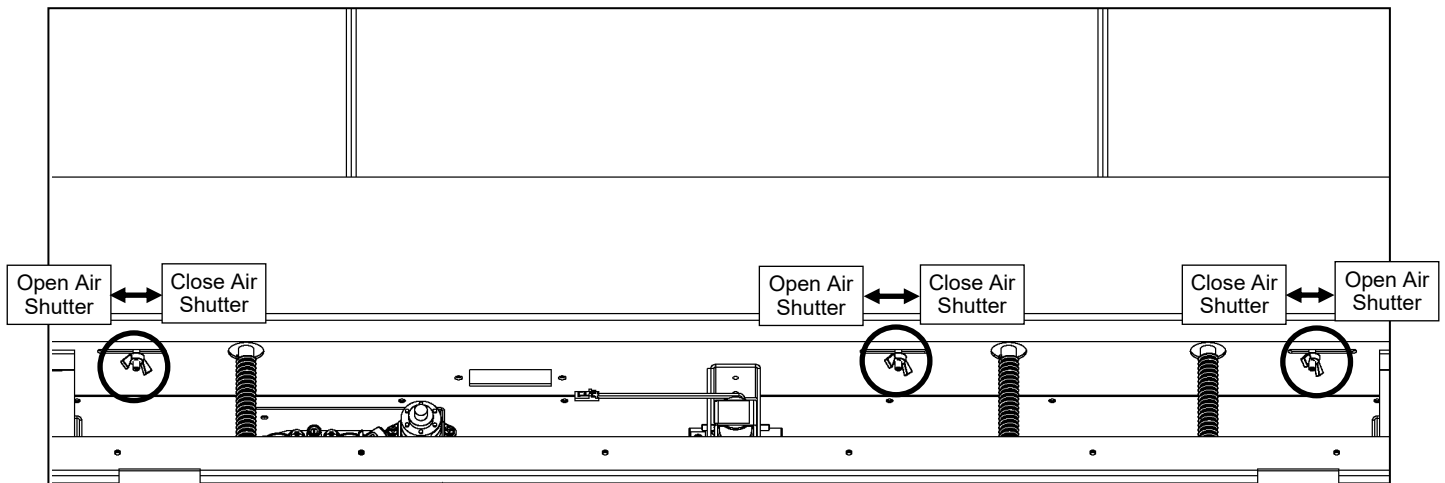
ADJUSTING PRIMARY AIR

Your fireplace includes three air shutters located under the door of the fireplace. These are used to adjust the primary air to achieve the ideal flame.

To increase air flow to the burner, loosen the wingnut and slide the air shutter away from the burner orifice as seen below. Retighten the wingnut.

To close the air shutter and decrease air flow to the burner, loosen the wingnut and slide the air shutter toward the burner orifice. Retighten the wingnut.

CAUTION: Do not adjust primary air below specified opening on the rating plate. Minor adjustments can make a large impact on the flame appearance.



The main burner flame should be about 1/3 height of the viewing area and be strong without wispy or ghosting tips.

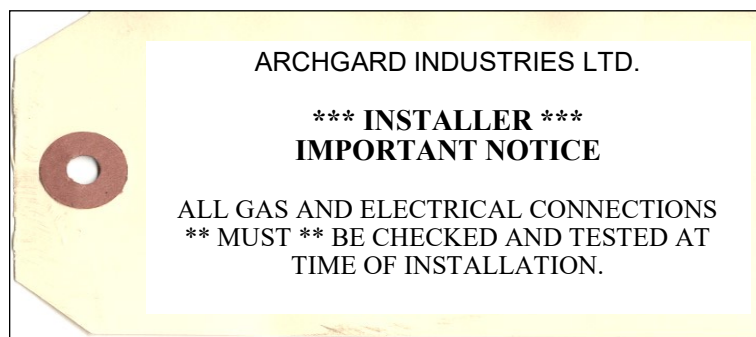
FINAL INSTALLATION CHECK

Each Brigantia Gas Fireplace is checked and tested at the factory prior to being packaged and shipped to our dealers and finally installed in your home. Archgard recommends that before leaving this unit with the customer, the installer must ensure that the appliance is firing correctly and that the electrical system is in working order. **This will include:**

1. Perform leak tests of supply line, gas control valve, supply line from gas control valve and pilot assembly.
2. Clocking the appliance to ensure the correct firing rate (see page 5 of this manual).
3. If required, adjusting the primary air to burner to ensure that the flame does not carbon or soot.
4. Check for proper operation including correct drafting.

As a reminder, a TAG is attached to all of our gas fireplaces. This TAG is located at the gas control valve. See Fig 21

Figure 21



Any alteration to the product that causes carboning or sooting that results in any damage or requires cleaning is not the responsibility of the manufacturer.

INITIAL OPERATION

1. Check that the appliance is properly vented and connected to the gas supply.
2. Check that all external parts, such as door and faceplate are properly attached and fastened.
3. Do not operate this appliance with broken, cracked glass doors or without the door (s) in its correct (and latched) position. Do not abuse the glass by either striking or slamming shut.
4. Check that there are no fingerprints left on glass panels, as high temperature can bake these prints on permanently.

LIGHTING INSTRUCTIONS ON RATING PLATE

FOR YOUR SAFETY READ BEFORE LIGHTING POUR VOTRE SÉCURITÉ VEUILLEZ LIRE AVANT L'ALLUMAGE

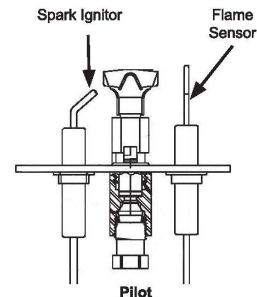
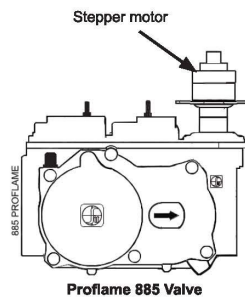
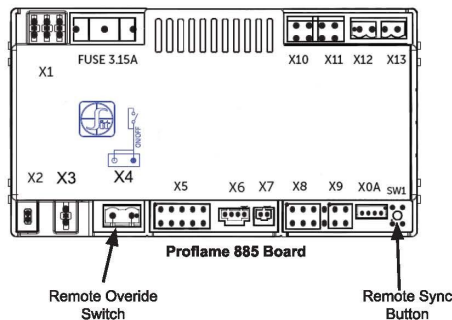
WARNING: If you do not follow these instructions exactly, a fire of explosion may result causing property damage, personal injury or loss of life.

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

- | | |
|--|--|
| <p>A. This appliance has a pilot which must be lighted by a spark ignitor. When lighting the pilot follow these instructions exactly.</p> <p>B. BEFORE OPERATING 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.</p> <p>WHAT TO DO IF YOU SMELL GAS</p> <ul style="list-style-type: none"> • 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. <p>C. Do not use this appliance if any part has been under water. Immediately call a qualified service technician to inspect the appliance and to replace any part of the control system and any gas control which has been under water.</p> | <p>A. Cet appareil est muni d'une veilleuse qui doit être allumée manuellement. Respectez les instructions ci-dessous à la lettre.</p> <p>B. AVANT D'ALLUMER la veilleuse, reniflez tout autour de l'appareil pour détecter une odeur de gaz. Reniflez près du plancher, car certains gaz sont plus lourds que l'air et peuvent s'accumuler au niveau du sol.</p> <p>QUE FAIRE SI VOUS SENTEZ UNE ODEUR DE GAZ:</p> <ul style="list-style-type: none"> • Ne pas tenter d'allumer d'appareil • Ne touchez à aucun interrupteur; ne pas vous servir des téléphones se trouvant dans le bâtiment • Appelez immédiatement votre fournisseur de gaz depuis un voisin. Suivez les instructions du fournisseur. • Si vous ne pouvez rejoindre le fournisseur, appelez le service des incendies. <p>C. N'utilisez pas cet appareil s'il a été plongé dans l'eau, même partiellement. Faites inspecter l'appareil par un technicien qualifié et remplacez toute partie du système de contrôle et toute commande qui ont été longés dans l'eau.</p> |
|--|--|

LIGHTING INSTRUCTIONS INSTRUCTION D'ALLUMAGE

- | | |
|---|---|
| <ol style="list-style-type: none"> 1. STOP! Read the safety information above on this label. This appliance is equipped with an ignition device which automatically lights the pilot. Do not try to light the pilot by hand. 2. Set the remote control switch to "OFF". 3. Open the lower louvers or remove trim. 4. Turn off all electric power to the appliance. 5. Open the gas isolation valve. 6. Wait 5 minutes to clear out any gas. Then smell for gas, including near the floor. If you smell gas, STOP! and follow "B" in the safety information above (and to the left) on this label. If you do not smell gas, go to the next step. 7. Turn on all electric power to the appliance. 8. Set the remote control switch to "ON". 9. If the fireplace does not light, the system will cycle through two trials (one minute of 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 manual. 10. If the system will not function correctly, follow the instructions "To turn Off Gas To Appliance" below and call your service technician or gas supplier. 11. Replace louver or trim. | <ol style="list-style-type: none"> 1. ARRÊTEZ! Lisez les instructions de sécurité sur la portion supérieure (à droite) de cette étiquette. 2. Réglez le commutateur à distance sur "OFF". 3. Ouvrez persiennes inférieures ou garnir. 4. Coupez l'alimentation électrique de l'appareil. 5. Vanne d'isolement de gaz ouverte. 6. Attendre cinq (5) minutes pour laisser échapper tout le gaz. Reniflez tout autour de l'appareil, y compris près du plancher, pour détecter une odeur de gaz. Si vous sentez une odeur de gaz, ARRÊTEZ! Passez à l'étape B des instructions de sécurité sur la portion supérieure (à gauche) de cette étiquette. S'il n'y a pas d'odeur de gaz, passez à l'étape suivante. 7. Réglez le commutateur à distance sur "ON". 8. Allumez l'alimentation électrique de l'appareil. 9. Si le foyer ne se allume pas, le cycle de la volonté du système grâce à deux essais (une minute de clic audible, trente secondes de silence, et puis un autre une minute de clic audible). Si le système se bloque en raison de l'écoulement de gaz insuffisante, voir le dépannage dans le manuel d'instruction. 10. Si le système ne fonctionne pas correctement, suivez les instructions «Pour couper le gaz de l'appareil» ci-dessous et appelez votre technicien d'entretien ou fournisseur de gaz. 11. Persienne fermée ou garnir. |
|---|---|



TO TURN OFF GAS TO APPLIANCE POUR COUPER LE GAZ À L'APPAREIL

- | | |
|--|--|
| <ol style="list-style-type: none"> 1. Set the remote control switch to "OFF". 2. Turn off all electric power to the appliance if service is to be performed. 3. Open louver or access panel. 4. Turn incoming gas isolation valve to "OFF" position. 5. Close louver or trim. | <ol style="list-style-type: none"> 1. Réglez le commutateur à distance sur "OFF". 2. Coupez l'alimentation électrique de l'appareil s'il faut procéder à l'entretien. 3. Ouvrez persiennes inférieures ou porte d'accès. 4. vanne d'isolement de gaz à proximité 5. Persienne fermée ou garnir. |
|--|--|

FIRST FIRE

When operated for the first few times, the appliance will emit some odor and fumes. This is due to the heat from the appliance evaporating the oils and solvents used in fabricating the appliance. Close off the room to the rest of the house and open all windows. Keep the room well ventilated, as smoke alarm may sound. Run the appliance for at least 6 hours at maximum setting to allow paint to cure. Smoke and fumes caused by the curing process may cause discomfort to some individuals.

LIGHTING INSTRUCTIONS - CAUTION

WARNING : If you do not follow these instructions exactly, a fire or explosion may result causing property damage, personal injury or loss of life. Do not operate the appliance with the glass front removed, cracked or broken. Replacement of broken glass should be done by a licensed or qualified service person.

WARNING : This appliance needs fresh air for safe operation and must be installed so there are provisions for adequate combustion and ventilation air.

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

WHAT TO DO IF YOU SMELL GAS:

- * Do not try to light any appliance.
- * Do not touch any electrical switch; do not use any phone in your building.
- * Immediately call your gas supplier from a neighbor's phone. Follow the gas supplier's instructions.
- * If you cannot reach your gas supplier, call the fire department.

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

1. **BEFORE LIGHTING**, smell all around the appliance area for gas. Be sure to smell next to the floor, because some gasses are heavier than air and will settle on the floor.
2. **IF YOU SMELL GAS**, follow the instructions as listed directly above or as shown on the front cover of this manual.
3. 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.
4. This appliance is equipped with an ignition device which automatically lights the pilot and main burner. The pilot and burner light automatically with the hand held remote or with the switch on the side of the surround if it is activated.

S.I.T. Proflame 2 IFC Ignition and Reset

Ignition Sequence

Starting from OFF, press remote control ON button. Approximately four (4) seconds after ON/OFF button is pushed, the IFC control module will start the spark. First ignition try will last approximately sixty (60) seconds.

If there is no flame ignition (rectification) during the first try for ignition, the IFC control module will stop sparking for approximately thirty five (35) seconds. After this wait time, the IFC control module will start the second try for ignition by sparking for approximately sixty (60) seconds. If ignition is successful on second ignition attempt, there will be a sixty (60) second delay before the main burner lights.

If after this second attempt there is still no positive ignition, the IFC control module will go into LOCK OUT and the red LED will blink three (3) times in intervals until the system is reset.

After ignition of the burner, the pilot flame should not lose contact with the flame sensor. If the pilot flame does lose contact with the flame sensor for 5 continuous seconds, the burner will turn off and the system will go into LOCK OUT.

LED Indicator Location: Corner of IFC control module. (IFC control module location determined by fireplace model and design. May be located in component housing behind lower grill or behind left side access panel).

LOCK OUT = LED blinks three (3) time in intervals until the system is reset.

In Summary:

- The IFC control module will try two (2) times for ignition
- Each try for ignition will last approximately sixty (60) seconds
- The wait time between the two tries is approximately thirty five (35) seconds

RESET IFC CONTROL MODULE WHEN SYSTEM GOES INTO LOCK OUT

Reset Using ON/OFF Switch:

Set ON/OFF switch to OFF position. Wait approximately two (2) seconds and move switch to the ON position. The ignition sequence will start again.

Reset Using Remote Control ON/OFF Button:

Turn the system off by pressing the remote control ON/OFF button. After approximately two (2) seconds press the remote control ON/OFF button again. The IFC control module will reset and the ignition sequence will start again.

Reset By Cycling Flame:

In the Manual Flame Control Mode, use the Down Arrow Button to reduce flame to off (indicated by OFF displayed on Remote Control Display Screen). Wait approximately two (2) seconds and press the Up Arrow Button, the ignition sequence will start.

Additional Diagnostic Indication Information

Low Battery Condition (<4V) Remote Control: Battery Icon will appear on LCD remote control display. Replace batteries.

Low Battery Condition (<4V) Battery Backup: Red LED Indicator will blink one (1) time in intervals. Low double-beep emitted from IFC control module when it receives an ON/OFF command from the remote control. Replace batteries.

Pilot Flame Error Condition: Red LED Indicator will blink two (2) times in intervals. Contact your dealer.

System Lock Out Condition: Red LED Indicator will blink three (3) times in intervals. Make sure gas is turned on. Make sure sensor is not shorted. Follow **Reset IFC Control Module When System Goes Into Lock Out** instructions above.

REMOTE CONTROL SETUP AND OPERATION

IMPORTANT

The Proflame Transmitter 2 is an integrated part of the Proflame 2 System, which consists of these elements:

- Proflame 2 Transmitter, to be used in conjunction with:
- Integrated Fireplaces Control (Proflame 2 IFC)

The Proflame 2 Transmitter provides for controlling the following hearth appliance functions:

1. Main Burner On/Off
2. Main Burner flame modulation (6 levels)
3. Choice of continuous pilot on demand ignition or intermittent pilot ignition (CPI/IPI)
4. Thermostat and Smart thermostat functions
5. Accent light modulation (6 levels) (future option)
6. Split flow valve
7. On/Off relay

The Proflame Transmitter uses a streamline 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.

SIMPLE INSTALLATION



Optional handheld remote



REMOTE CONTROL SETUP AND OPERATION, cont.

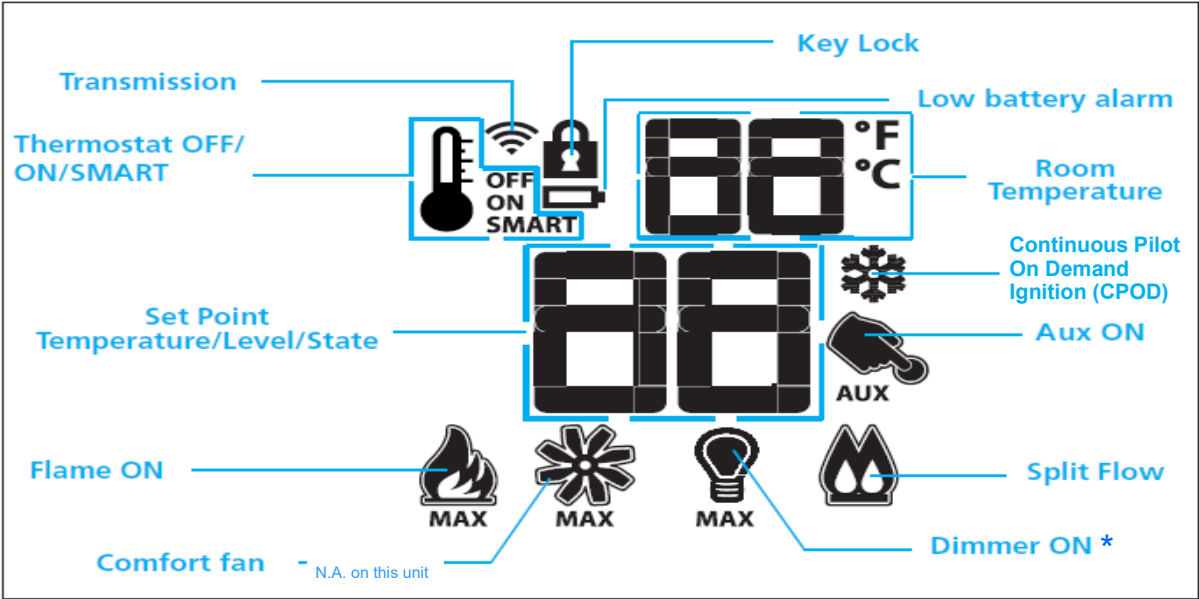


Fig. 2 Transmitter LCD display. * Future Option

TECHNICAL DATA

Remote Control	
Supply voltage	4.5 V (three 1.5 V AAA batteries)
Ambient temperature ratings	0 - 50 °C (32 - 122 °F)
Radio frequency	315 MHz

WARNING

THE TRANSMITTER AND RECEIVER ARE RADIO FREQUENCY DEVICES. PLACING THE RECEIVER IN OR NEAR METAL MAY SEVERELY REDUCE THE SIGNAL RANGE.

ATTENTION

TURN OFF THE MAIN GAS SUPPLY DURING INSTALLATION OR MAINTENANCE OF THE RECEIVER DEVICE
TURN OFF MAIN GAS SUPPLY TO THE APPLIANCE PRIOR TO REMOVING OR REINSERTING THE BATTERIES
IN CASE OF REMOTE CONTROL MALFUNCTION TURN OFF THE FIREPLACE BY REMOVING POWER SUPPLY (INCLUDING BACKUP BATTERIES)
FOR INSTALLATION/MAINTENANCE SWITCH OFF THE FIREPLACE BY REMOVING POWER SUPPLY (INCLUDING BACKUP BATTERIES)

REMOTE CONTROL SETUP AND OPERATION, cont.

OPERATING PROCEDURE

Initializing the System for the first time

Power the receiver. Activate the procedure of the receiver address programming, see the receiver instruction (*). The Receiver will "beep" three (3) times to indicate that it is ready to synchronize with a Transmitter. Install the 3 AAA type batteries in the Transmitter battery bay, located on the base of the Transmitter. (fig. 3) With the batteries already installed in the Transmitter, push the On button. The Receiver will "beep" four times to indicate the Transmitter's command is accepted and sets to the particular code of that Transmitter. The system is now initialized.

(*) The receiver may be independent or integral to the IFC hearth appliance control module. The receiver instruction may not be independent when part of the IFC.



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 Transmitter to verify that a C or F is visible to the right of the Room Temperature display.



Remote Control display in Farenheit.



Remote Control display in Celsius.

Turn on the Appliance

With the system OFF, press the ON/OFF Key on the Transmitter. The Transmitter display will show some other active Icons on the screen. At the same time the Receiver wil activate the appliance. A single "beep" from the Receiver will confirm reception of the command.

Turn off the Appliance

With the system ON, press the ON/OFF Key on the Transmitter. The Transmitter LCD display will only show the room temperature At the same time the Receiver will turn off the appliance. A single "beep" from the Receiver confirms reception of the command.



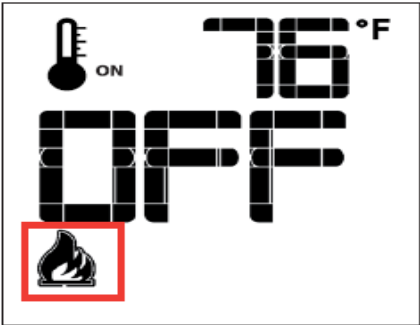
Remote Control display.

REMOTE CONTROL SETUP AND OPERATION, cont.

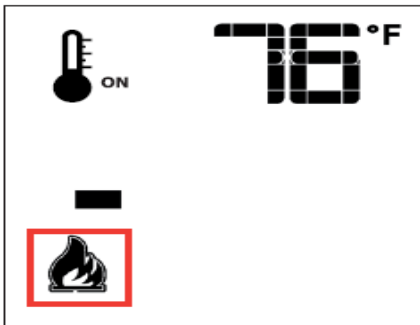
Remote-Flame Control

This function is disabled when in SMART Thermostat Mode

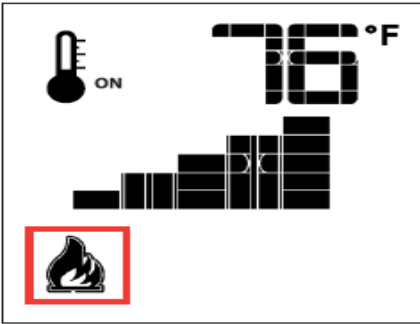
The proflame has six (6) flame levels. With the system on, and the flame level at the maximum in the appliance, pressing the Down Arrow Key once will reduce the flame height by one step until the flame is turned off.
The Up Arrow Key will increase the flame height each time it is pressed. If the Up Arrow Key is pressed while the system is on but the flame is off, the flame will come on in the high position.
A single "beep" will confirm reception of the command.



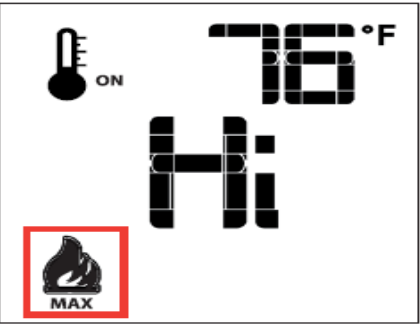
Flame Off



Flame Level 1



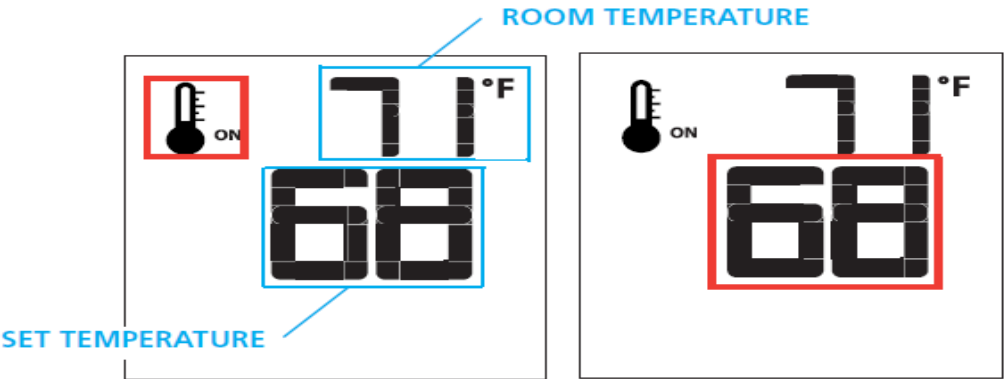
Flame level 5



Flame Level Maximum

Room Thermostat (Transmitter 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 this function, press the Thermostat Key (Fig. 1). The LCD display on the Transmitter 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.



REMOTE CONTROL SETUP AND OPERATION, cont.

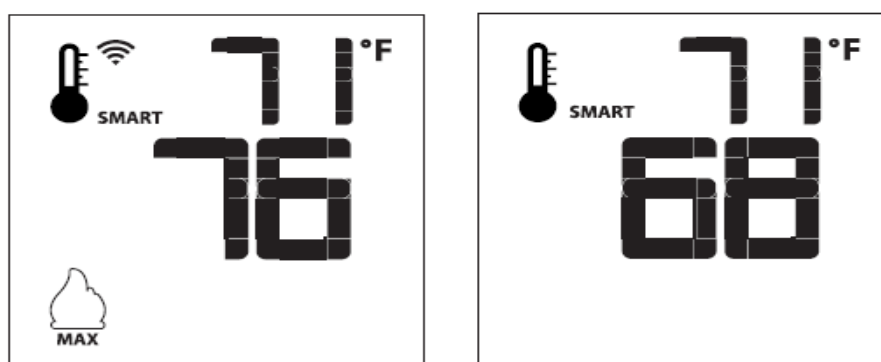
Smart Thermostat (Transmitter Operation)

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 this function, press the Thermostat Key (Fig. 1) until the word "SMART" appears to the right of the temperature bulb graphic (

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 (

Note. When Smart Thermostat is activated, manual flame height adjustment is disabled.

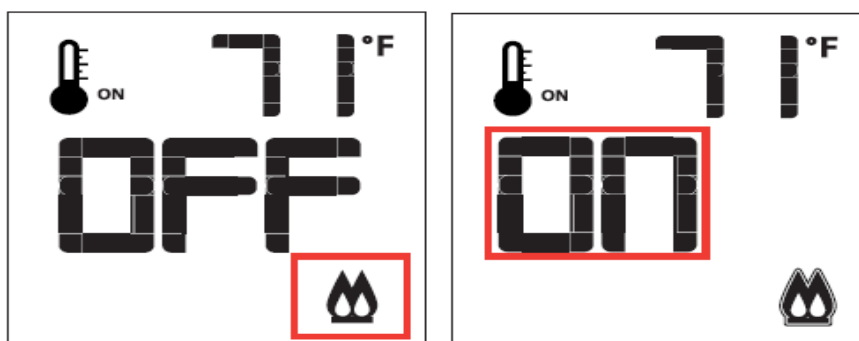


Smart flame function

Split Flow control

The secondary burner is controlled by the split Flow. To activate this function use the Mode Key (fig. 1) to index to the SPLIT FLOW mode icon

Pressing the Up Arrow Key will activate the secondary burner. Pressing the Down Arrow Key will turn the secondary burner off. A single "beep" will confirm the reception of the command.

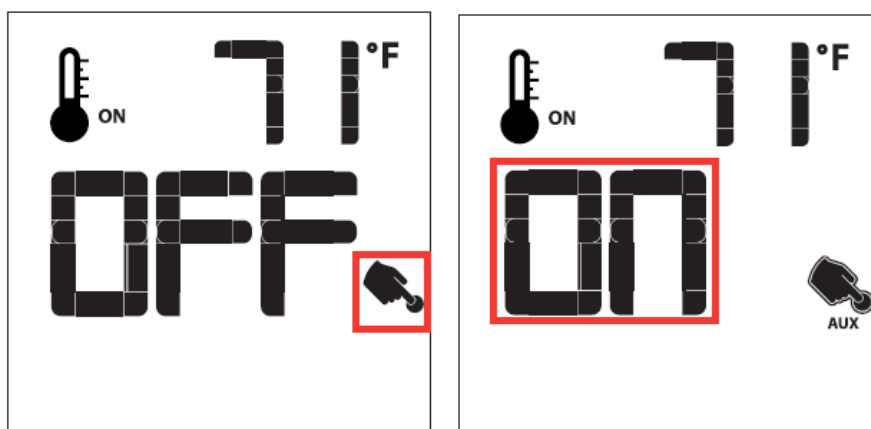


REMOTE CONTROL SETUP AND OPERATION, cont.

Remote auxiliary relay control

The auxiliary function controls the AUX relay outlet. To activate this function use the Mode Key (fig. 1) to index to the AUX icon

Pressing the Up Arrow Key will activate the outlet. Pressing the Down Arrow Key will turn the outlet off. A single "beep" will confirm the reception of the command.



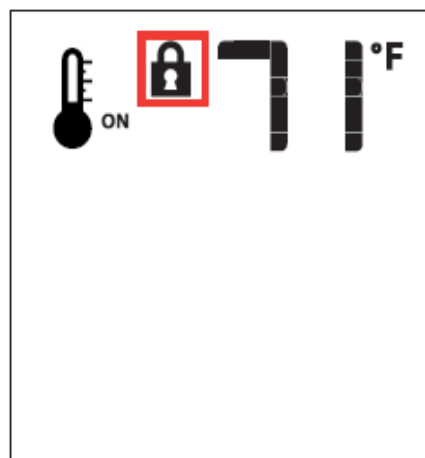
REMOTE CONTROL SETUP AND OPERATION, cont.

KEY LOCK

This function will lock the keys to avoid unsupervised operation.

To activate this function, press the MODE and UP Keys at the same time

To de-activate this function, press the MODE and UP Keys at the same time.



LOW BATTERY POWER DETECTION

Transmitter

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

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



MAINTENANCE**CAUTION:**

Do not conduct maintenance on the appliance while it is operating or while it is still hot. Always verify proper operation after servicing.

Cleaning and Routine Maintenance

The exterior painted surfaces, glass, and metal plated trims may be cleaned with a soft, non-abrasive cloth and water or a suitable, mild, non-abrasive cleaner. Be sure there are no fingerprints left on the glass panels as high temperatures can bake these prints on permanently.

Regularly:

- Frequent cleaning of the ceramic glass is recommended. We recommend using a good quality ammonia free gas fireplace glass cleaner that is available at any hearth retail location. Take care to avoid scratching glass while cleaning. **DO NOT CLEAN WHILE HOT.** Never use common household cleaners to clean the glass.
- Keep the appliance area free from combustible materials, such as paper, wood, clothing, gasoline and flammable solids, liquids and vapors
- Visually check the height and color of the burner and pilot flames

Once a year, have a qualified service technician:

- Perform the regular services listed above
- Inspect and operate the pressure relief mechanism (door buckles) to verify they are free from obstruction and operate properly
- Carefully remove the logs and gently brush off any loose carbon deposits. This job is best done outside the house, wearing a dust mask. The logs are very fragile, take care not to break them. Do not wash logs with any liquid. While the logs are removed, check that all burner openings are not obstructed and it is recommended you use a vacuum cleaner to clean off any dust or lint
- Vacuum and clean any lint accumulations or debris in the firebox, on the burners, on the pilot, at the primary air opening, on the convection air blower and in any combustion and convection air passageways
- After cleaning, the logs and embers must be replaced according to the instructions in this manual
- Inspect the operation of the flame safety system pilot and gas valve
- Inspect and ensure the lighting of the main burner occurs within 4 seconds of the main gas valve opening.
- Completely inspect the appliance and the venting system, if the vent pipe or seal is found to be defective, replace and or reseal (follow the instructions found in the venting instructions in this manual)
- Inspect the condition of the vent and vent terminal for sooting or obstruction and correct if present
- 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
- Check all accessible gas-carrying tubes, connections, pipes and other components for leaks

WARNING:

All parts removed or disturbed, including guards and grills, must be properly replaced after maintenance. Service and repair must be conducted by a qualified service person. If these instructions are not followed, a fire or explosion may result, causing property damage, personal injury or loss of life.

CONVERSION KIT INSTRUCTIONS

IMPORTANT: This fireplace is Natural gas ready. If converting to LP gas, follow instructions below

KIT NUMBER: 57-CKNG for NAT GAS

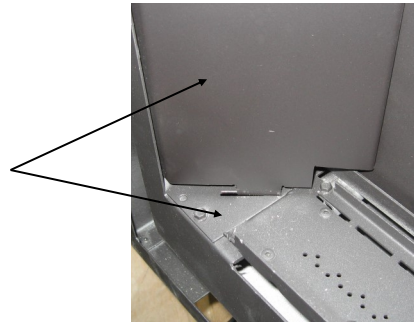
KIT NUMBER: 57-CKLP for LPG

Step # 1 - PREPARATION

Remove outer surround and door. Place to the side to prevent them from being damaged.

Step # 2 - PREPARATION

Remove the angled side panels and upper baffle.
Remove side panel support plates on each side of the fireplace



Step #3 - BURNER REMOVAL

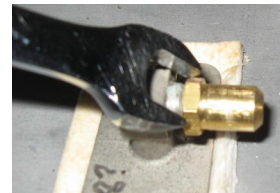
Remove the burner media.
Remove burners by loosening and removing the wing nuts from underneath
The outer burners are removed by sliding towards the outside of the firebox and lifting out. The center burner slides to the left and lifts out.

Step #4 - ORIFICE CHANGE

This fireplace uses three orifices. The two (2) outside burner orifices and the center burner orifice.

Care must be taken not to install the center orifice in an outside burner position. This will result in an unstable burn pattern that may cause venting and soot problems.

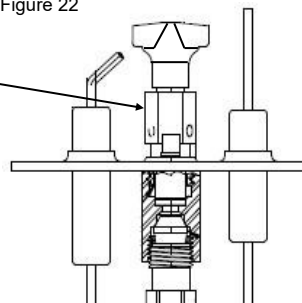
Using a 1/2" wrench remove and replace the existing orifices one at a time. This will help prevent errors with the new orifice installation.



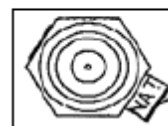
Step #5 - PILOT CONVERSION

Using a 7/16" wrench and loosen the pilot hood 1/4 turn. Slide the tab at the bottom of the orifice hood all the way so the red side (propane) with the hole in it is showing. Tighten the pilot hood back up so that it is lined up with the two probes on both sides of the pilot assembly.

Figure 22



LP has hole and red dot



Natural Gas

Figure 23

**WARNING: SHUT OFF GAS SUPPLY AND ELECTRICAL POWER TO FIREPLACE
SHUT OFF GAS SUPPLY BEFORE DISCONNECTING ELECTRICAL POWER**

CONVERSION KIT INSTRUCTIONS, con't

Step # 7 Valve Conversion

PROFLAME

STEPPER MOTOR Modulating Conversion Kit



WARNING!

The installation of this conversion kit must only be undertaken by a qualified and certified gas appliance installer.

STEPPER MOTOR PRESSURE REGULATOR CONVERSION KIT INSTALLATION OR REPLACEMENT INSTRUCTIONS.

Verify that the following items are present in the package.

- Pressure regulator assembly (E)
- Two (2) screws (F)
- Identification label (G)
- Installation instructions (this document).

- 1 Shut off the gas supply to the valve and shut down the electric supply.
- 2 See Fig. 1. Using a Torx T20, or slotted screwdriver, remove and discard the two (2) pressure regulator mounting screws (A), pressure regulator tower (B), and the spring and diaphragm assembly (C), (If applicable).
- 3 Ensure the rubber gasket (D), which is prefitted as part of assembly (E), is properly positioned, see Fig. 2, otherwise fit the gasket as shown Fig. 2.
- 4 Install the new STEPPER MOTOR pressure regulator assembly, as shown in Fig. 3 and Fig. 4. Use the supplied screws (F), M4 x 0.7 threaded, length of thread $L = (16 \text{ mm} + 0 - 0.5 \text{ mm})$, steel material, resistance class 8.8 (see Fig. 5).
- 5 Manually thread the two conversion kit mounting screws into the valve body. Use a standard screwdriver or T20 Torx bit and tighten to the screws with a fixing torque of $25 \text{ lb-in} \pm 5\%$.
IN THE EVENT THAT THE THREADS OF THE VALVE ARE STRIPPED OR DAMAGED, **REPLACE** THE VALVE.
- 6 Install the enclosed identification label (G) to the valve body where it can be easily seen.
- 7 Make STEPPER MOTOR and valve electrical connections, apply gas to system and relight appliance according to manufacturers instructions.
- 8 With the main burner "ON", test the new pressure regulator assembly for leaks using a soap solution.
- 9 Relight the main burner and verify proper burner ignition and operation.

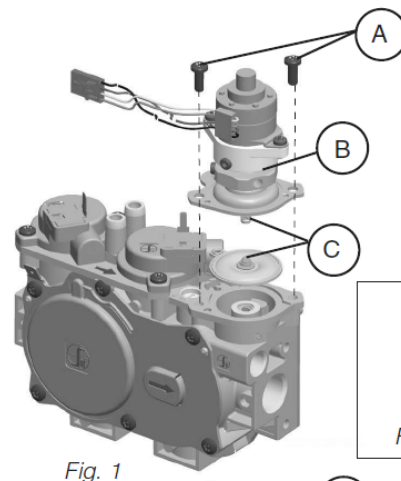


Fig. 1

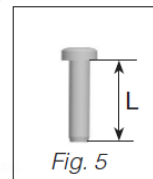


Fig. 5

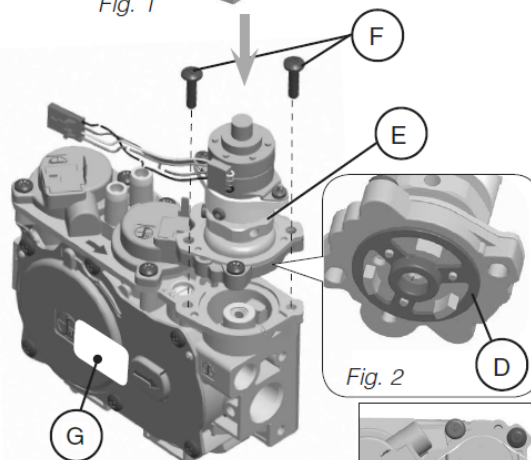


Fig. 3

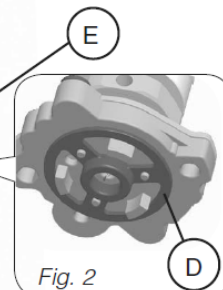


Fig. 2

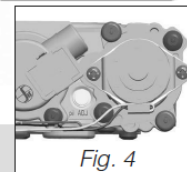


Fig. 4

WARNING!

Installation should be carried out in a clean environment.

WARNING!

This modulating conversion kit must **ONLY** be applied as part of a conversion kit supplied by the **APPLIANCE MANUFACTURER** for the specific appliance, and type of gas, being converted.

WARNING!

Correct operation of the system cannot be guaranteed if the conversion kit or valve has been dropped or has sustained a strong impact.

INSTALLER NOTICE. These instructions must be left with appliance.

CONVERSION KIT INSTRUCTIONS, con't

Step # 8 Complete the Conversion

Fill out and attach conversion label to the fireplace near the valve
Change Rating Plate to show new fuel configuration

Reinstall the burners, support plates and baffle by reversing the removal process.
Turn on the gas and electrical supplies.
Check for leaks using approved means
Confirm correct incoming and manifold pressures
Test fire the fireplace to confirm correct operation.

Reinstall door assembly and surround
Run through a complete firing cycle to confirm correct operation

Field Fuel Conversion

This appliance has been converted to _____ gas

By _____

(Name and address of organization making this conversion which accepts the responsibility that this conversion has been properly completed)

Kit # _____ Date ____ / ____ / ____

303-0128

Figure 24

KIT NUMBERS: "57-CKELP" for LP gas and "57-CKENG" for Natural Gas

KIT INCLUDES:

- 1- Gas conversion label (303-0128)
- 1- Center burner orifice (301-0068-53, #53 DMS for LPG) (301-0068-35, #35 DMS for Natural Gas)
- 2 - Side burner orifices (301-0068-58, #58 DMS for LPG) (301-0068-48, #48 DMS for Natural Gas)
- 1- Instruction Sheet
- 1- SIT 885 Valve conversion kit c/w instructions & gas type label

IMPORTANT: For high altitude installations above 2000 ft (610 meters), consult local gas distributor or the authority having jurisdiction for proper de-rating methods.

WIRING SCHEMATIC

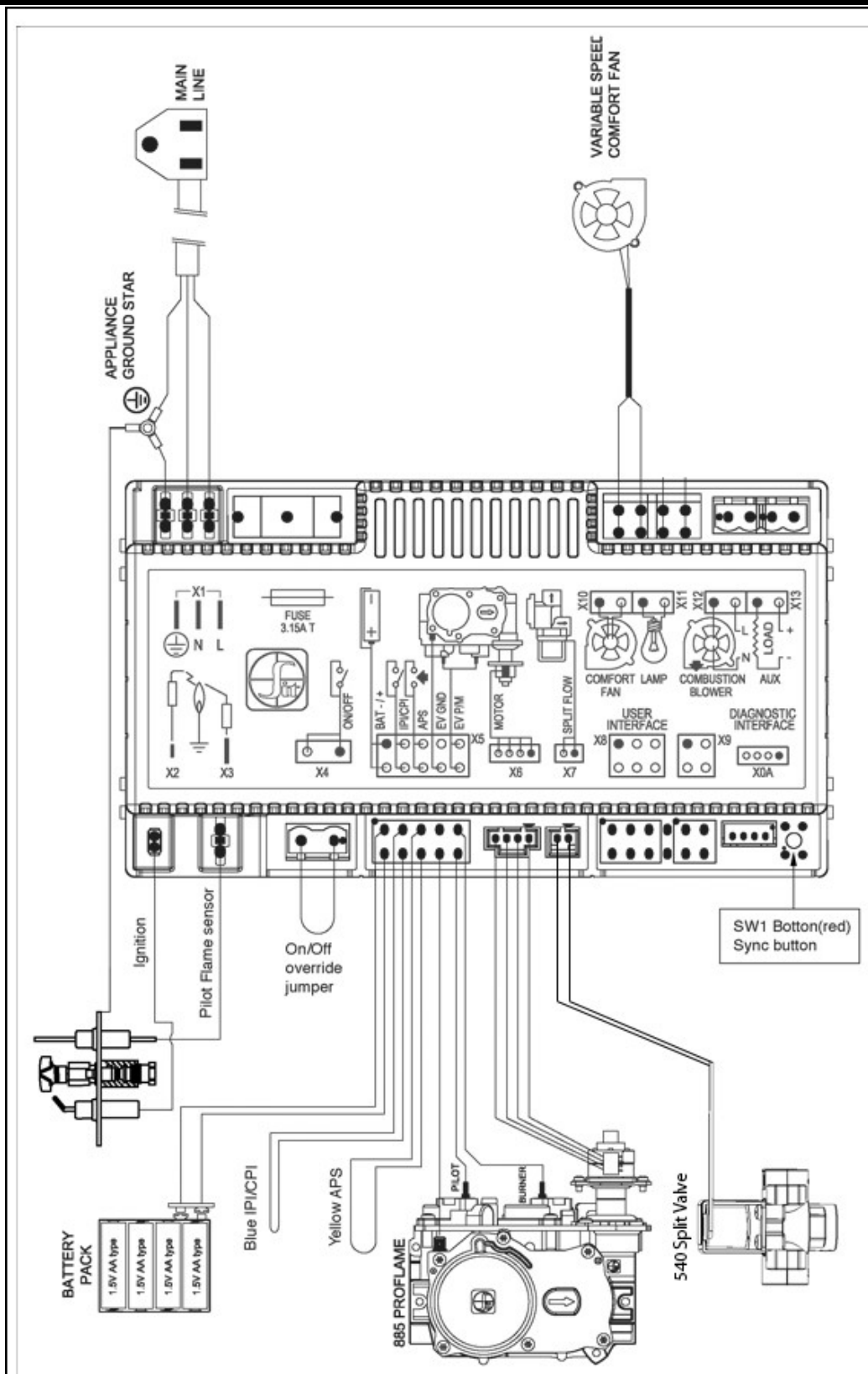


Figure 25

PARTS LIST

Item #	Item Description	Unit
308-6070	SIT PROFLAME II CONTROL MODULE	Main control module
308-6012	WIRING HARNESS	Main wiring for module
308-6016	WIRING HARNESS SPLIT FLOW	Split flow wiring harness
308-6013	BATTERY HOLDER	AA Battery holder
308-6024	WALLMOUNT REMOTE	Wallmount remote control
RP-305-2080	Fuse, 3.15A, 250V (pack of 5)	Fuse for control module
308-6017	SIT 885 VALVE W/STEP MOTOR	Main gas valve
308-0123	PILOT ASSEMBLY	PSE pilot assembly
857-0014	REPLACEMENT SPLIT FLOW KIT (units prior to S/N: 510071)	Split flow valve
857-0015	REPLACEMENT SPLIT FLOW KIT (units S/N: 510071 and up)	Split flow valve
857-0050-C	CENTER PAN BURNER	Burner
857-0050-L	LEFT SIDE PAN BURNER	Burner
857-0050-R	RIGHT SIDE PAN BURNER	Burner
57-FBJB	BURNER GLASS MEDIA - JET BLACK	Glass bead media
57-BS	BARRIER SCREEN	Barrier Screen
57-DB	DOOR ASSEMBLY ** (BLACK)	Door frame, glass & gasket
300-0134	INTEGRITY SPRING	Relief spring for door system

** The door shall only be replaced as a complete unit as supplied by the manufacturer.

Do not abuse glass doors by striking or slamming shut.
Do not operate with broken glass.

Substitute materials shall not be used.

Optional fuel conversion kit : **57-CKELP LP Conversion** (instructions supplied in kit)
 57-CKENG NG Conversion (instructions supplied in kit)

FREQUENTLY ASKED QUESTIONS

Listed below are some frequently asked questions regarding Brigantia Gas Fireplaces. If you have questions that are not listed below, or are not answered in this manual, please contact your Authorized Brigantia Dealer.

Q. My glass has a condensation “fog” when the appliance is first lit.

A. Condensation is normal and will disappear in a few minutes after the glass is heated.

Q. I have a white “film” on my glass. What is the best way to clean the inside of the glass.

A. Frequent cleaning of your glass is recommended. Archgard recommends using a good quality “gas fireplace” glass cleaner that is available at all authorized dealers. Do not use abrasive materials, and do not clean the glass or the appliance when the unit is hot.

Q. How do I care for my plated trims.

A. Clean with a damp cloth. DO NOT use chemical cleaners as they may harm the finish, and void your warranty. NOTE: If the top louvers, or top overlay starts to discolor, check the door gasket seal and replace if necessary.

Q. I hear a “ticking”, “cracking” or “pinging” sound when my fireplace is running, and after it is turned off.

A. The different gauges of steel used to manufacture your fireplace will expand and contract at different rates when your fireplace is on, and will continued as your fireplace completes its heating function. You will likely hear these same sounds more on start up and shut down. This is normal for steel fireplaces.

Q. When my appliance is OFF and my pilot light is lit, I hear a “whisper” sound.

A. The lit pilot can make a small noise. Sometimes in extreme wind conditions you may be able to hear air entering into the firebox chamber.

Q. I hear a “click” when my main burner turns ON or OFF.

A. Your Gas Control Valve will make a clicking sound when it opens to allow gas to flow to the main burner. This is a normal part of the operating system.

Q. Can I burn wood and other materials in my gas fireplace.

A. No! Burning anything other than natural or LP gas in a gas fireplace or stove will create a potential fire hazard and present a danger to your home and its occupants. Only burn the gas fuel for which the unit was originally designed.

Q. Can I shut my pilot off in the summer?

A. You will save energy by turning off the pilot light if you are not using your appliance for the hot summer months. When in continuous pilot ignition on demand (CPI) mode the pilot will remain lit for seven days after the fireplace is used. When seven days have passed the system will turn the pilot off. When in IPI mode, the pilot will only remain on when the main burner is on.

BRIGANTIA LIMITED WARRANTY

This Limited Warranty is made by Archgard Industries, hereinafter referred to as "Brigantia". Brigantia warrants to the original purchaser of a Brigantia gas burning fireplace (s) that the product will be free of defects in materials and workmanship under normal use and service, for a "lifetime".

INCLUSIONS: "LIFETIME LIMITED WARRANTY" (to original purchaser)

- ❖ All heat exchangers, combustion chamber, burner tubes and pans.
- ❖ Ceramic Panels against splitting or cracking from heat exposure.
- ❖ Ceramic Glass against thermal breakage (i.e.: flaking)
- ❖ NOTE: Discoloration and some minor movement of certain parts are normal and are not a defect and therefore, not covered under warranty.

The above will be covered "parts & labor" to the original purchaser for FIVE years and "parts" only thereafter from original date of purchase.

INCLUSIONS: "FIVE YEAR LIMITED WARRANTY"

- ❖ Five year limited warranty on the Burner System. Warranty will cover any defective burner if defect is deemed as original by the manufacturer.

The above will be covered "parts & labor" to the original purchaser for TWO years and "parts" only thereafter from original date of purchase.

INCLUSIONS: "ONE YEAR LIMITED WARRANTY"

- ❖ All plated trims and accessories against tarnishing.
- ❖ All trim accessories against tarnishing and paint defects.
- ❖ Rocker switches and wiring.
- ❖ Gas control valves, pilot assemblies including electrodes, and igniters.

The above will be covered "parts & labor" to the original purchaser for ONE year from date of purchase.

EXCLUSIONS:

- ❖ Ember material.
- ❖ Travel time or mileage to original purchasers residence. Archgard suggests that you pre-arrange travel expenses with your Authorized Brigantia Dealer.

WHAT TO DO IN THE EVENT OF A PROBLEM:

- ❖ Thoroughly read your manual.
- ❖ If you cannot solve the problem, contact your Brigantia Dealer or representative.
- ❖ When calling for help please have the following information:

Model of your Fireplace	Serial Number	Place of Purchase
Date of Purchase	Problem Description	

- ❖ NOTE: Warranty may be void if work is carried out by an unqualified person (s). Only original Brigantia parts may be used. Please consult your Brigantia dealer or representative if in doubt about a replacement part (s).

OBTAINING WARRANTY SERVICE:

To obtain warranty service, the original purchaser shall return the defective part (s) to the original authorized Brigantia selling dealer transportation prepaid, along with the serial number of the appliance and proof of purchase. Any defective part, in our judgment, will be repaired or replaced at Archgard's discretion. The dealer must obtain approval from Brigantia before any repairs are made.

WARRANTY LIMITATION:

THIS LIMITED WARRANTY IS MADE IN LIEU OF ALL OTHER WARRANTIES, EXPRESSED OR IMPLIED AS TO QUALITY, MERCHANTABILITY OR FITNESS FOR PARTICULAR PURPOSE.

The appliance is only warranted for the use as intended by the installation and operating instruction and local building codes. The warranty will not cover damage due to accident, misuse, abuse, alteration, improper installation or "Acts Of God".

This limited warranty is void unless the appliance is installed by a qualified installer, in accordance with the instructions furnished with the appliance. Some Provinces or States do not allow limitations on how long an implied warranty lasts, so the above limitation may not apply to the original purchaser. Any damage resulting from defects in this product, is limited to the replacement of the defective part (s) and does not include incidental and consequential exposures sustained in connection with the product. This includes facing (s), mantle (s), cabinet (s), tile (s) or any other finishes resulting from removal of any gas appliance. This warranty is limited to residential use only and gives the consumer specific rights. These rights may vary from State to State or Province to Province.

NOTES

POSTAGE

WARRANTY REGISTRATION

**ARCHGARD INDUSTRIES
7116 BEATTY DRIVE
MISSION, B.C. CANADA
V2V 6B4**

FOLD DOWN AT LINE

FOLD DOWN AT LINE & TAPE CLOSED

Model # : **57-DVRS50N** Serial #: _____ Date Installed: _____ / _____ / _____
mm did yyyy

Name: _____ Address: _____

City: _____ State/Prov: _____ ZIP: _____ Phone: (_____) _____

Dealer's Name & Address: _____

City: _____ State/Prov: _____ ZIP: _____ Phone: (_____) _____

Installer's Name & Address: _____

City: _____ State/Prov: _____ ZIP: _____ Phone: (_____) _____

Why did you choose this product? _____

Thank you for purchasing our product and filling out this warranty card.

NOTES

ARCHGARD INDUSTRIES

7116 BEATTY DRIVE
MISSION, B.C. V2V 6B4
CANADA

WEBSITE: WWW.ARCHGARD.COM