



WARNING: IF THE INFORMATION IN THESE INSTRUCTIONS ARE NOT FOLLOWED EXACTLY, A FIRE OR EXPLOSION MAY RESULT, CAUSING PROPERTY DAMAGE, PERSONAL INJURY, OR LOSS OF LIFE.

- DO NOT STORE OR USE GASOLINE OR OTHER FLAMMABLE VAPORS AND LIQUIDS IN THE VICINITY OF THIS OR ANY OTHER APPLIANCE.
- WHAT TO DO IF YOU SMELL GAS?
 - DO NOT TRY TO LIGHT ANY APPLIANCE
 - DO NOT TOUCH ANY ELECTRICAL SWITCH; DO NOT USE ANY PHONE IN YOUR BUILDING.
 - IMMEDIATELY CALL YOUR GAS SUPPLIER FROM A NEIGHBOR'S PHONE. FOLLOW THE GAS SUPPLIER'S INSTRUCTIONS.
 - IF YOU CANNOT REACH YOUR GAS SUPPLIER, CALL THE FIRE DEPARTMENT.
- INSTALLATION AND SERVICE MUST BE PERFORMED BY A QUALIFIED INSTALLER, SERVICE AGENCY OR GAS SUPPLIER.

! 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.

NATIONAL FIREPLACE INSTITUTE



CERTIFIED
www.nficertified.org

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

NOTICE

INSTALLER: Leave this manual with appliance

CONSUMER: Retain this manual for future reference.

Installation & servicing of this appliance **MUST** be performed by a qualified NFI certified technician.

MASSACHUSETTS: The piping and final gas connection must be performed by a licensed plumber gas fitter in the state of Massachusetts.

Modern Gas Fireplaces – Linear Fireplaces

FLARE FIREPLACES | POWER VENT INSTALLATION MANUAL
[MAXITROL PV SYSTEM] LOW VOLTAGE (LEGACY)

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WARNING!

- The direct vent system appliance must be installed as an OEM installation in manufactured homes (USA only), or an aftermarket permanently located, or a mobile home, where not prohibited by local codes and must be installed in accordance with Manufacturer's instructions and the Manufactured Home Construction and Safety Standard, Title 24 CFR, Part 3280, in the United States, or the Standard for Installation in Mobile Homes, CAN/CSA Z240 MH Series, in Canada.
- This appliance is only for use with the type(s) of gas indicated on the rating plate. A conversion kit is supplied with the appliance.
- This product is listed to ANSI standards for ANSI Z21.50b-2009 / CSA 2.22b- 2009 Vented Gas Fireplaces CAN/CGA 2.17-M91 Gas-Fired Appliance for use At High Altitude
If the information in these instructions is not followed exactly, a fire or explosion may result causing property damage, personal injury, or loss of life.
Installation and service must be performed by a qualified installer, service agency or the supplier.
- 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
Never leave children or other at-risk individuals alone with the appliance.
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
- Due to high temperatures, the appliance should be located out of traffic and away from furniture and draperies. Children and adults should be alerted to the hazards of high surface temperature and should stay away to avoid burns or clothing ignition.
- This appliance must be electrically wired and grounded in accordance with local codes or, in the absence of local codes, with National Electric Code ANSI/NFPA 70- latest edition or the Canadian Electric Code CSA C22.1.
- A 110-120V AC circuit for this product must be protected with ground-fault circuit- interrupter protection, in compliance with the applicable electrical codes, when it is installed in locations such as in bathrooms or near sinks.
- Proposition 65 Warning: Fuels used in gas, wood burning, or oil- fired appliances, and the products of combustion of such fuels, contain chemicals known to the State of California to cause cancer, birth defects and other reproductive harm. California Health & Safety Code Sec. 25249.6. In the state of Massachusetts, only a licensed plumber and gas fitter may install this product. See Note for the Commonwealth of Massachusetts.

FLARE FIREPLACES – FRAMELESS IN EVERY WAY

Flare Fireplaces is where innovation, quality and luxury come together to form new ideas. By combining superior raw materials, contemporary design, creative technology, and a frameless way of thinking, we have created a full line of direct-vent fireplaces that are luxurious, simple to operate and efficient. Our Fireplaces are distinguished by their clean design, superior build quality and unique features.

SAFETY

CSA CERTIFICATION

All our fireplaces are tested and have been certified to meet stringent CSA guidelines, ensuring optimum quality, safety, and efficiency. All our fireplaces have been certified and tested to work with Natural Gas or Propane. Certification Information:

ANSI Z21.88/CSA 2.33-2014- Vented Gas Fireplace Heaters

CSA CLASSES:

CLASS 2901 84 / CLASS 2901 04

MANUAL MODEL LIST & INFORMATION

The Following manual should be used for Flare Fireplaces Models:

- Flare Front 30-100 “
- Flare See-Through 30-100”
- Flare Corner Right and Left 30-100”
- Flare Double Corner 30-100”

- Flare Room Definer 45-100”

Installation **MUST** comply with local, regional, state and national codes and regulations. Consult insurance carrier, local building inspector, fire officials or authorities having jurisdiction over restrictions, installation inspection and permits.

To simplify the installation and operation, all models above share the same gas valve system, remote, gas connection, glass type. All warnings and instructions apply to all models. Flare Fireplaces Power Vent system must only be connected to M&G 3x5 venting system. For detailed chimney installation information please use the M&G DuraVent direct vent installation manual:

<https://www.duravent.com>

POWER VENTING OVERVIEW

In the event of a vent route that is unsupported based on the Gravity Vent Tables shown in the [Flare Install Manual](#), Flare Fireplaces may use a power vent to accommodate any extremely long, or negative degree venting routes. The 3 power vent options allow the fireplace to operate in vent conditions that would not be possible without the powered fan. **With a power-vent you can install a 90-elbows right off the top of the fireplace.** When using the power vent system, it is critical that the vent path remain completely sealed for the power vent system to operate. The vent length and restrictor level should be set based on number of feet, number of elbows, and the vent termination.

The Flare power vent system is an optional feature and can be used on a Flare Fireplace using Double Glass or our Invisible Mesh safety screen. It comes in 3 different models:

- End of Line Power Vent Vertical
- End of Line Power Vent Horizontal
- In-Line Power Vent

The system is designed and tested with DuraVent 3x5 gasket direct vent pipes. It is critical for the safety and operation of the system to use the DuraVent 3x5 gasket system.

See the link below for a DuraVent catalog & vent parts with part numbers:

https://www.DuraVent.com/docs/product/CVS_Catalog.pdf

All three Flare Power Vent systems can be installed to include 8 elbows and run up to 100ft vent run.

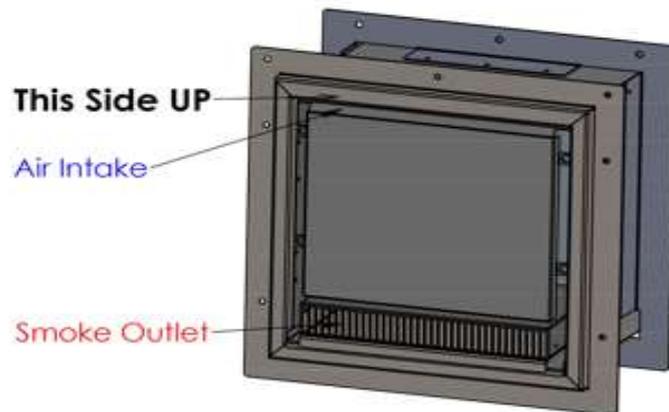
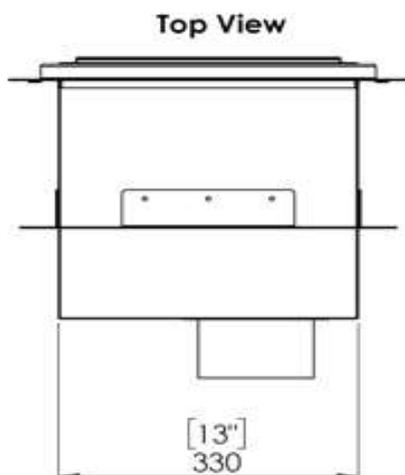
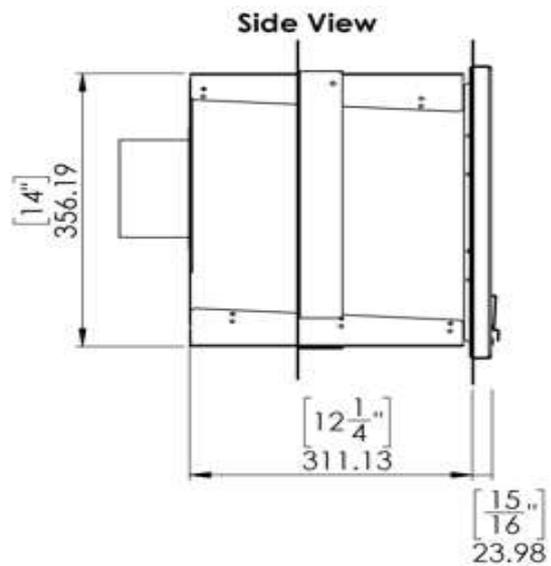
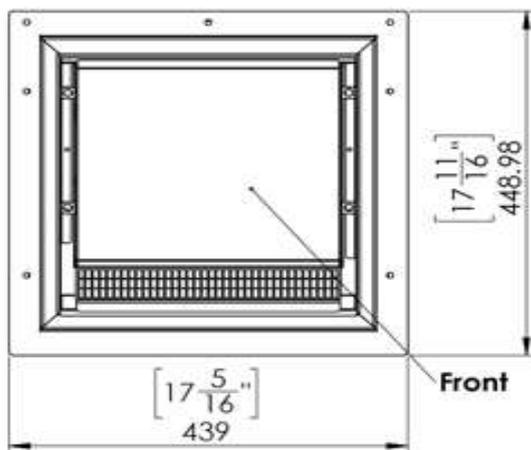
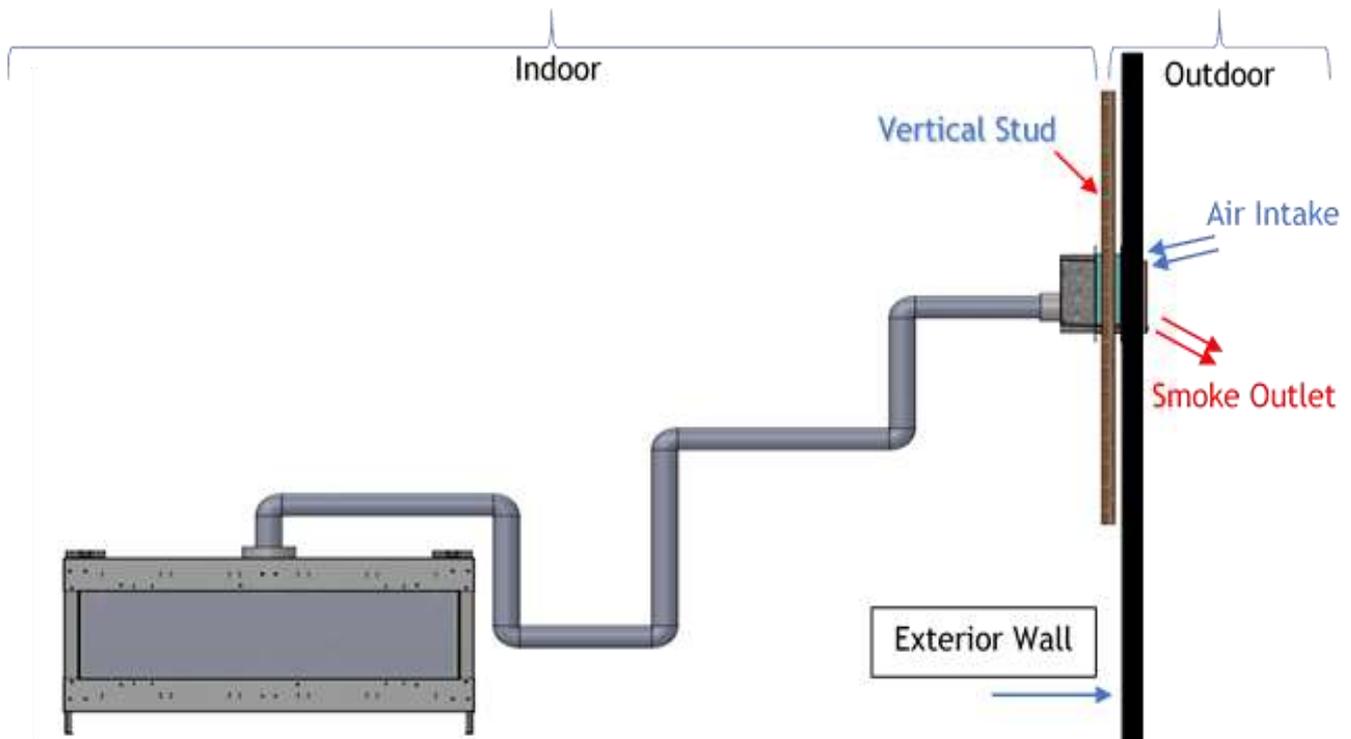
- A minimum length of **12ft venting** is required between the Fireplace and the PV, Flare Fireplaces sizes **30"-70"**. A minimum length of **15ft**, Flare sizes **80"-100"**, is required between the fireplace and the PV.
- Elbows, whether 45 or 90 degrees, do not count towards the minimum distance requirements.
- Do not install any Power Vent system if the minimum length is below listed above. The three Power Vent systems can be installed with a maximum of 5ft vent run below the fireplace.
- Do not install any of the Flare Power Vent fans inside the fireplace cavity, as this increases the risk of overheating
- Do not snake 3x5 vent pipe within cavity to achieve minimum length, as this will lead to increased heat buildup.

This installation must conform to local codes. In the absence of local codes, you must comply with the National Fuel Gas Code, **ANSI Z223.1-Latest Edition in the U.S.A. and the CAN/CGA B149 Installation Codes in Canada.**

Improper installation, adjustment, alteration, service or maintenance can cause injury or property damage. For assistance or additional information, consult a qualified service technician, service agency or your dealer.

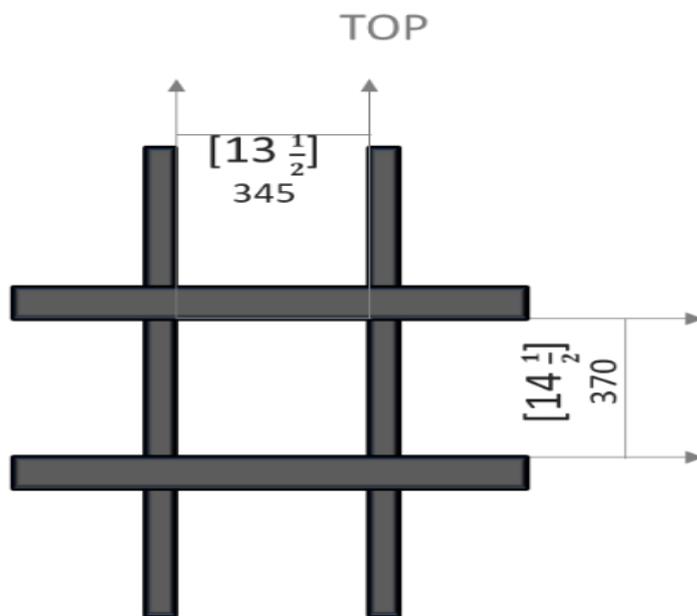
POWER VENT DRAWINGS

HORIZONTAL END OF LINE POWER VENT DRAWING

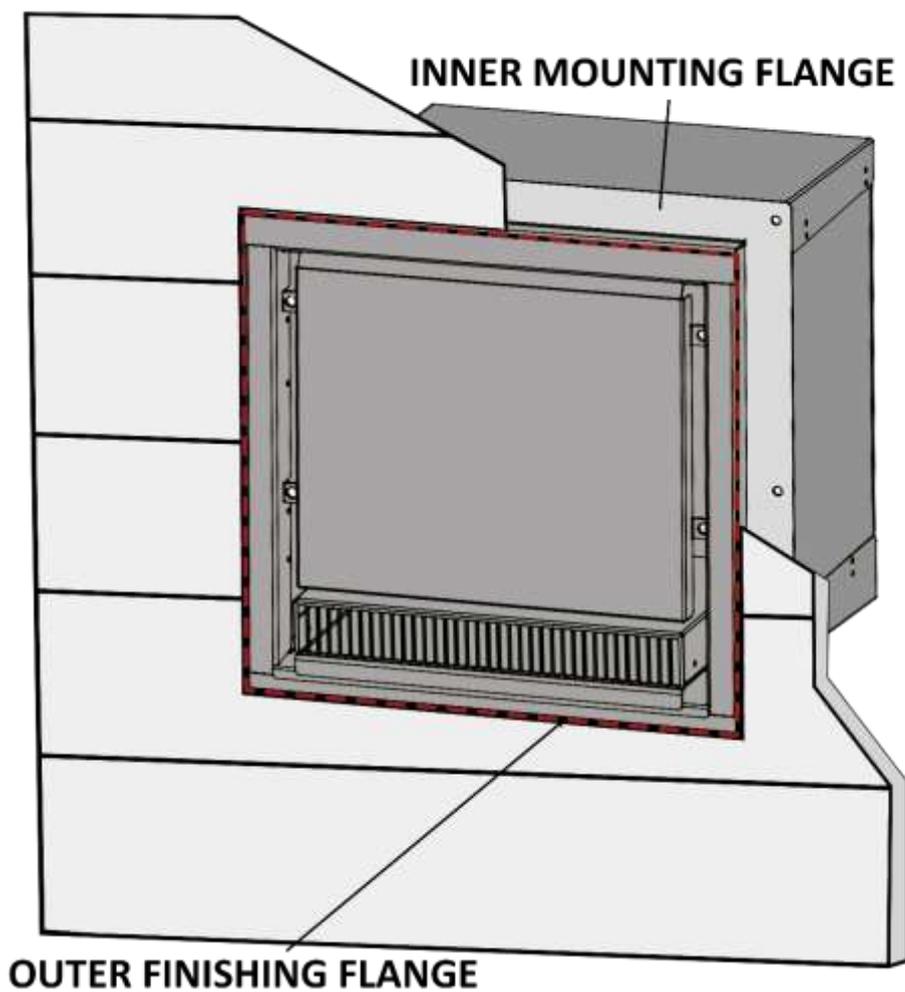


HORIZONTAL END-OF-LINE POWER VENT FRAMING DIMENSIONS

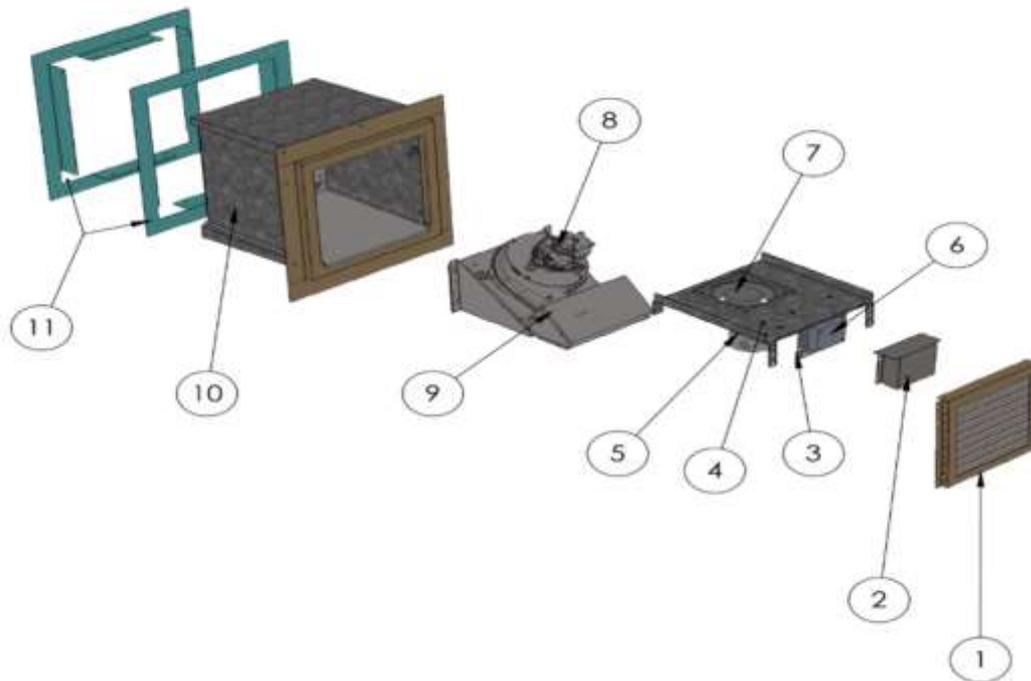
ROUGH OPENING CUT-OUT DIMENSIONS: 13 ½ W x 14 ½ H



HORIZONTAL END-OF-LINE POWER VENT MOUNTING AND FINISHING FLANGE



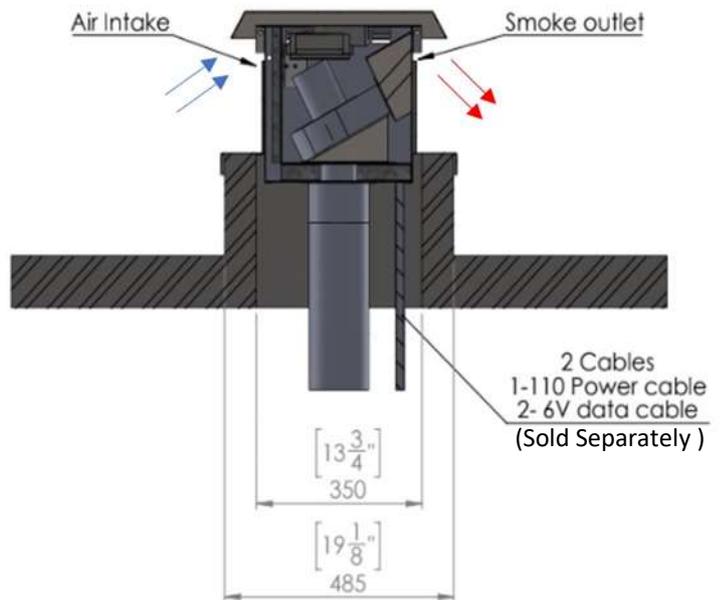
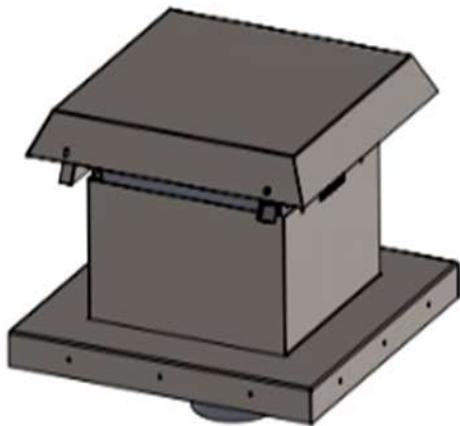
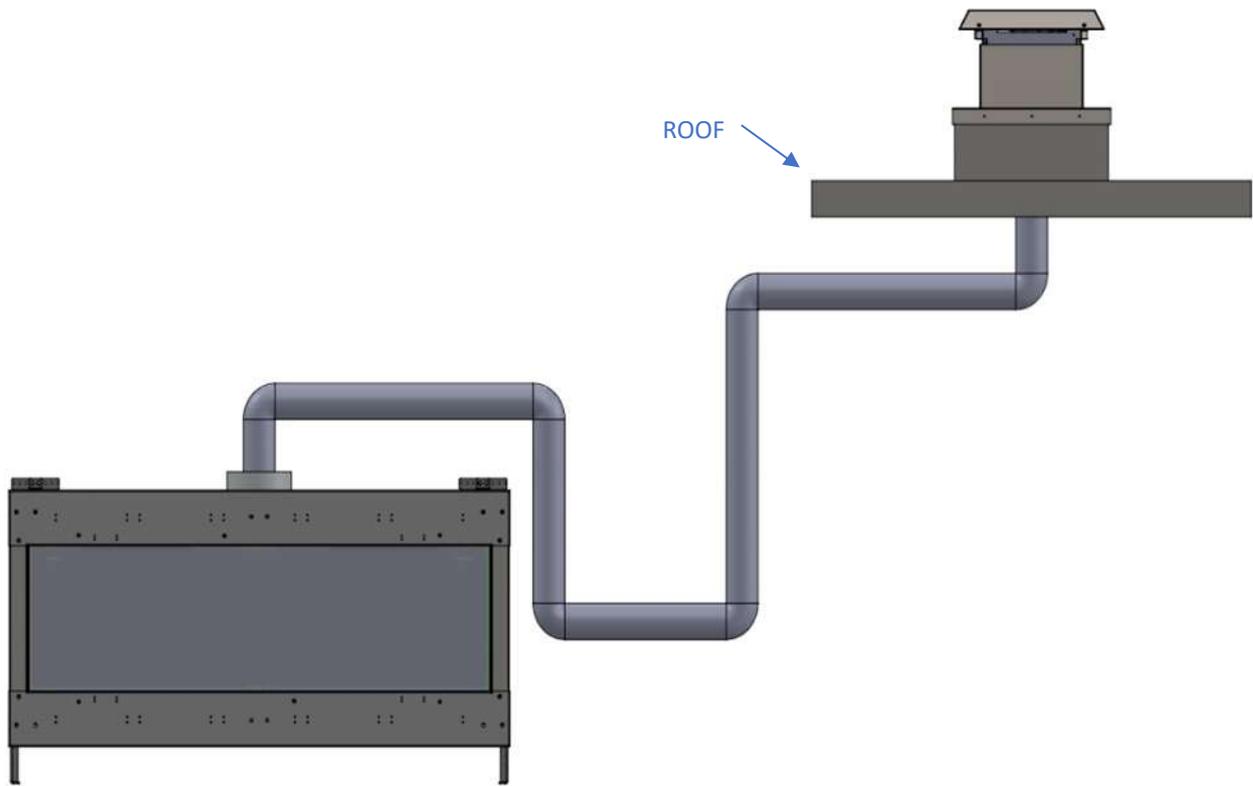
HORIZONTAL POWER VENT PARTS LIST



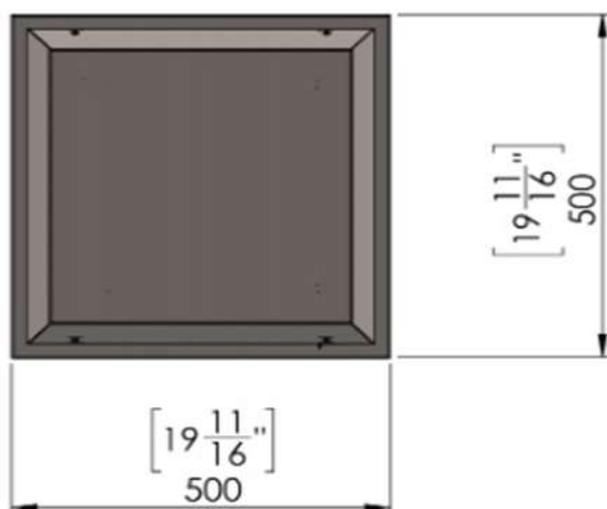
HORIZONTAL POWER VENT PART LIST:

ITEM NUMBER	PART NUMBER	DESCRIPTION
1	W-F-08	PV External Cover
2	W-F-14	PV Board Cover
3	W-F-19	PV Board Holder
4	W-F-17	M4 Stainless Steel Screws
5	Draft Switch	HUBA control to measure fan pressure
6	Electronic Board	Electronic Board
7	Fan	Cooling Fan
8	Exhaust Blower	Main Exhaust Fan
9	Exhaust Blower Carrier	Exhaust Outlet Holder
10	Housing of Exhaust Blower	PV Whole Block
11	W-F-10	Bracket for fixing PV hole.

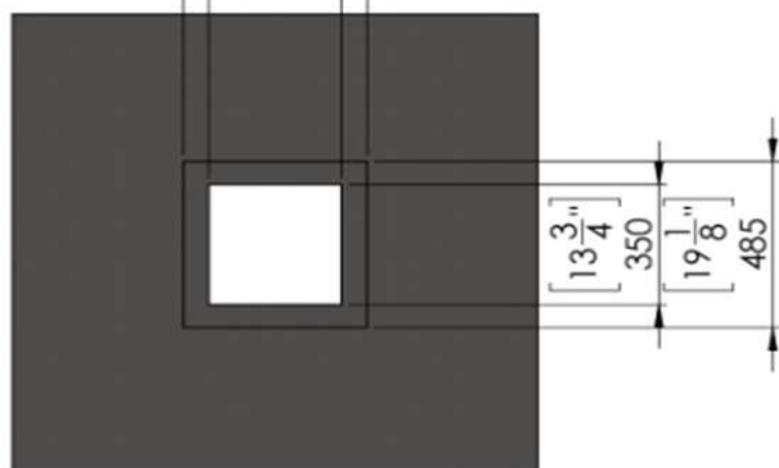
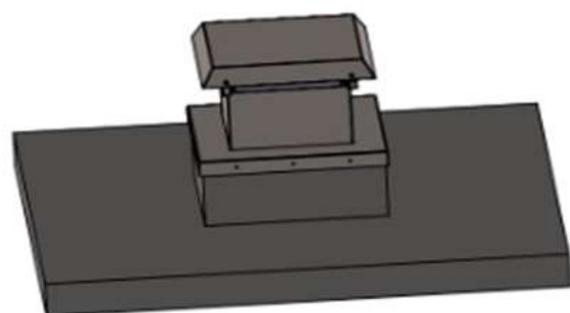
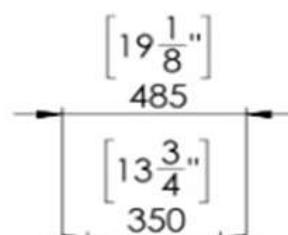
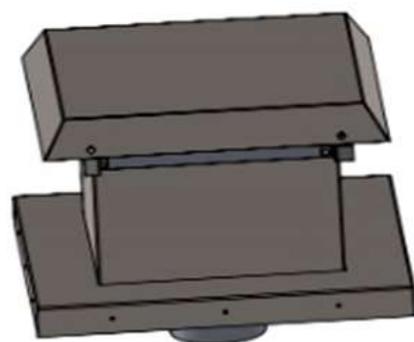
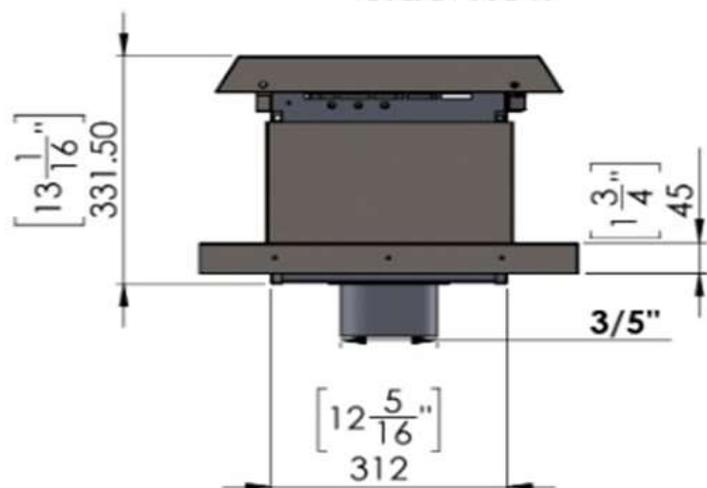
VERTICAL END-OF-LINE POWER VENT DRAWING



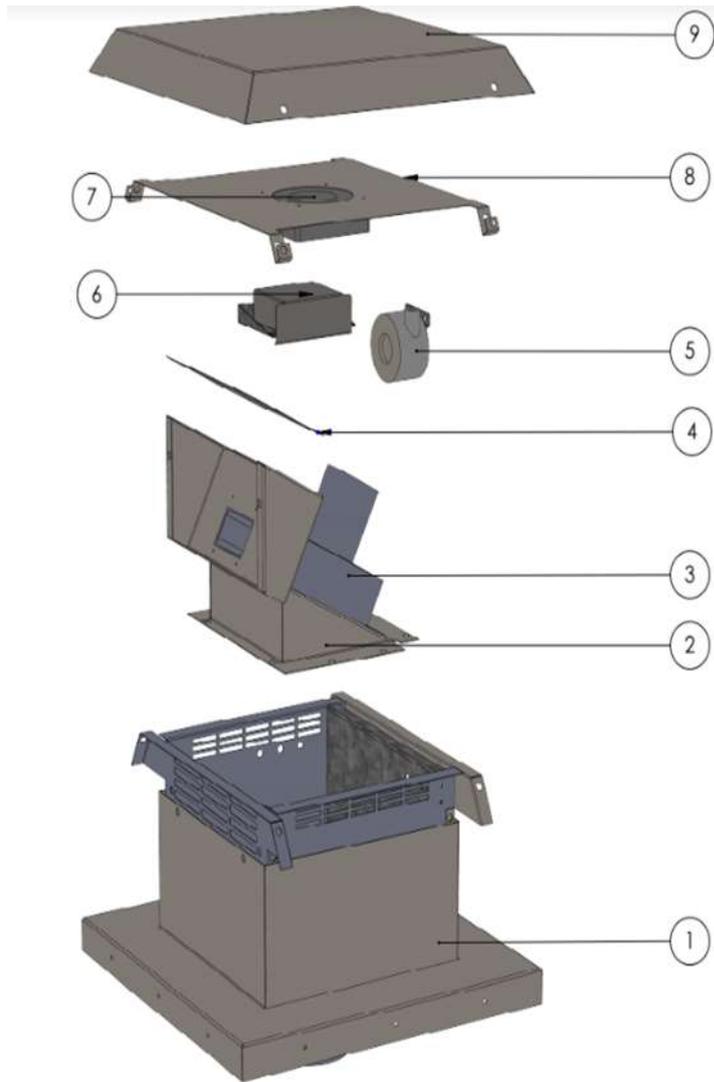
Top view



Side view



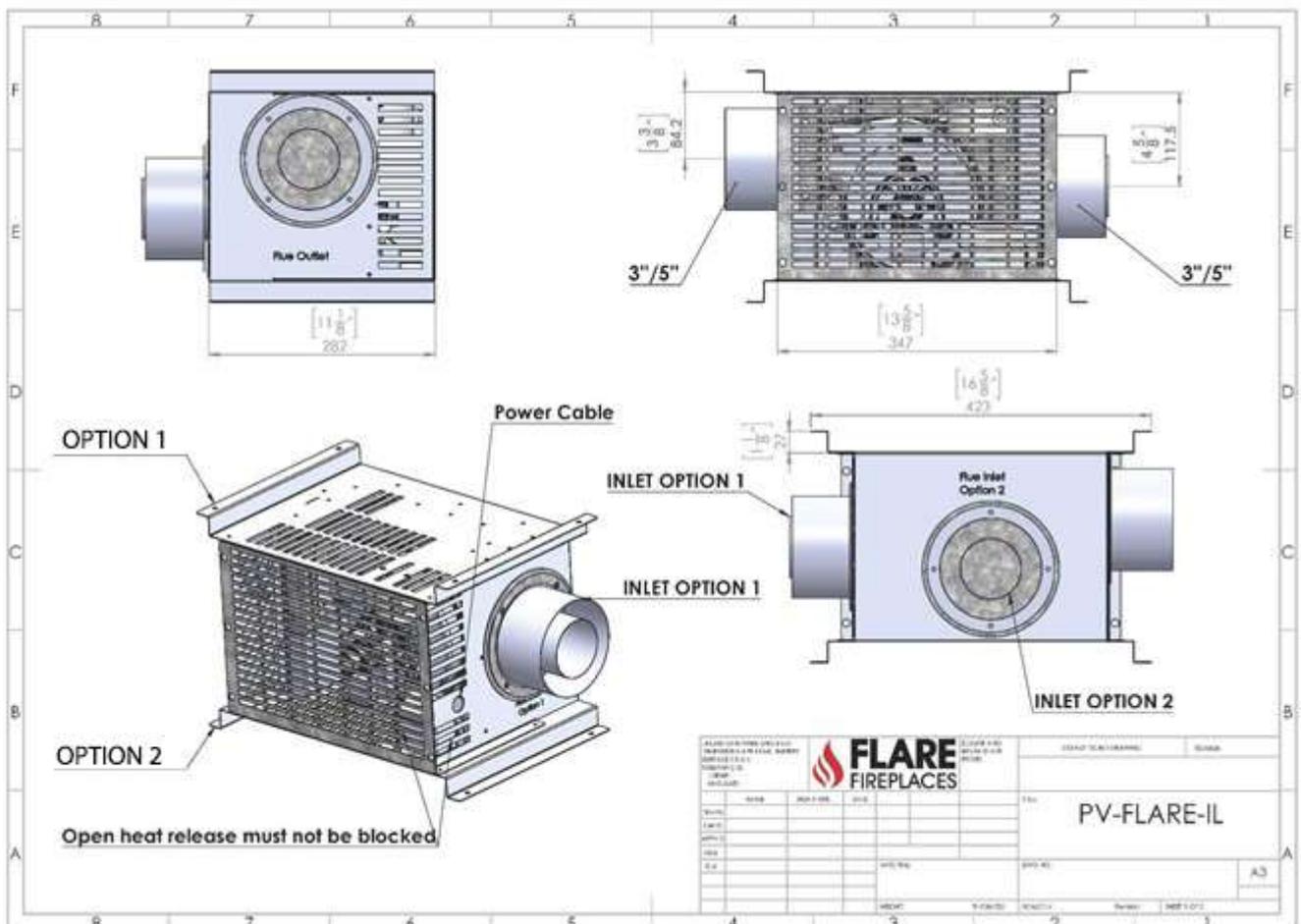
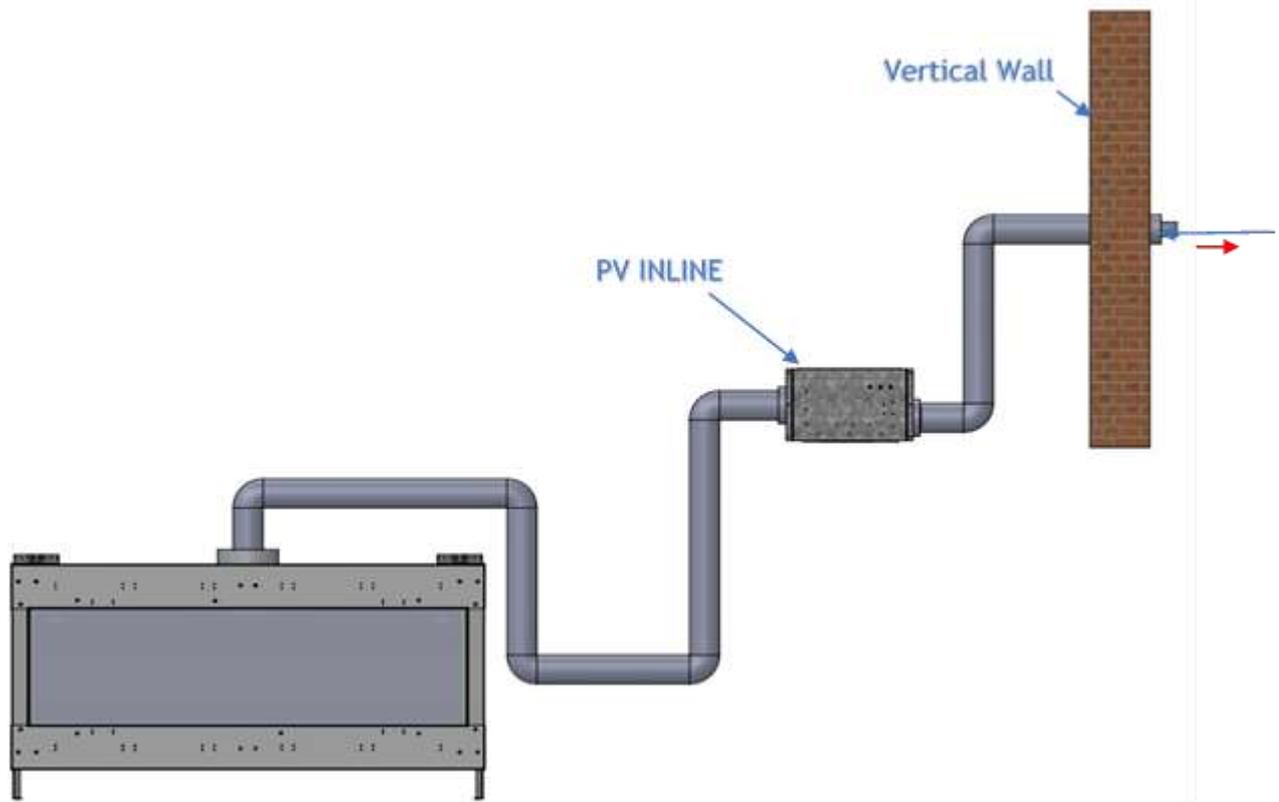
VERTICAL POWER VENT PARTS LIST



VERTICAL POWER VENT PARTS LIST:

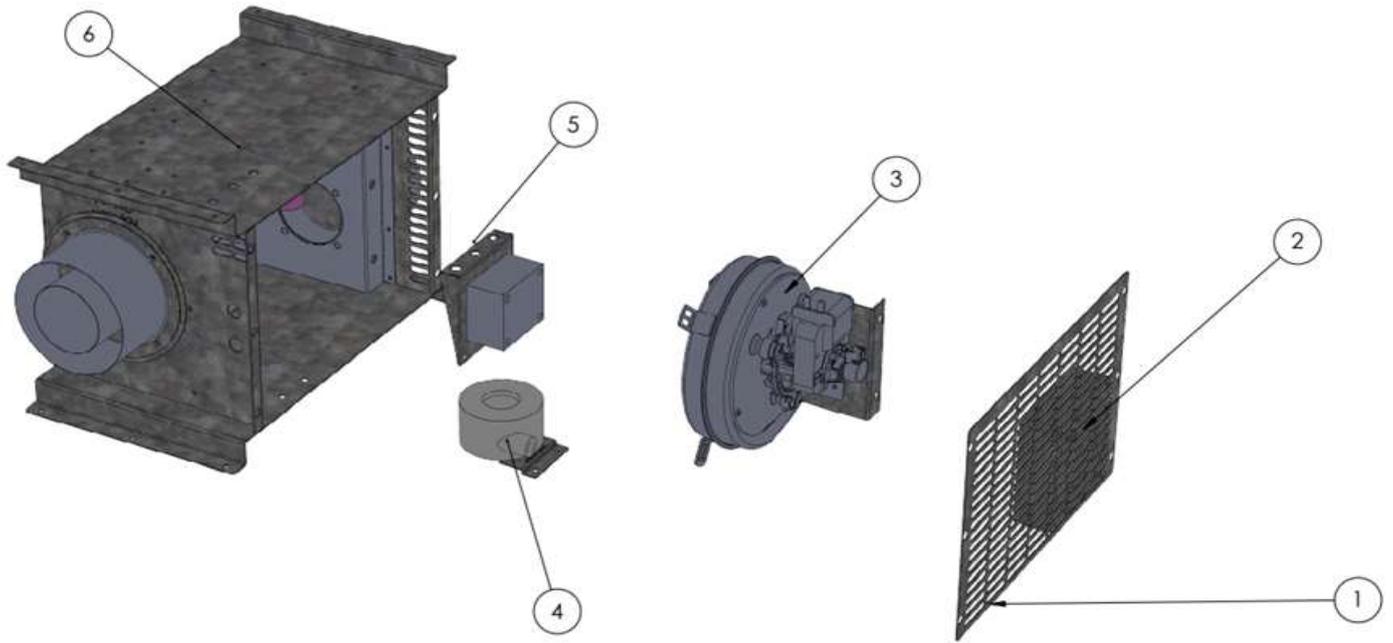
ITEM NUMBER	PART NUMBER	DESCRIPTION
1	Housing of Exhaust Blower - Vertical	The whole block for vertical power vent
2	Fan 03 + 04	Main Fan Holder
3	Exhaust Blower	Main Exhaust Fan
4	Fan 08	Inner upper cover for exhaust outlet
5	Draft Switch	HUBA Control for pressure measuring
6	Electric Board	Electronic Board Cover
7	Fan	Cooling Fan
8	Fan 12	Cooling Fan Holder
9	Fan 06	External Upper Cover

IN-LINE POWER VENT DRAWING



PLEASE NOTE THAT THE INLINE POWER VENT MUST BE MOUNTED TO A STRUCTURE AND CANNOT JUST FLOAT USING THE VENT PIPE

IN-LINE POWER VENT PARTS LIST



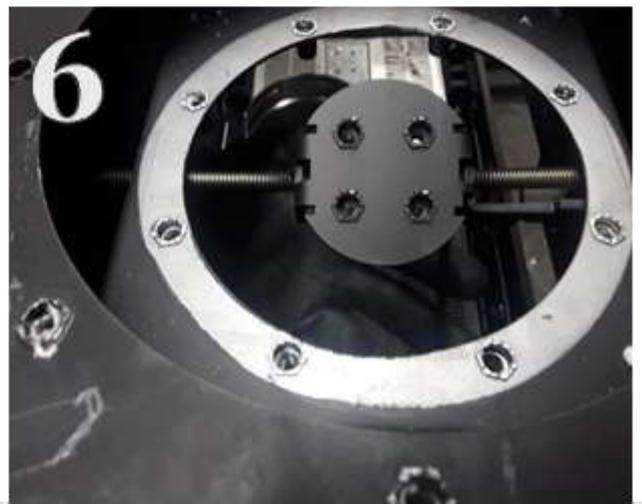
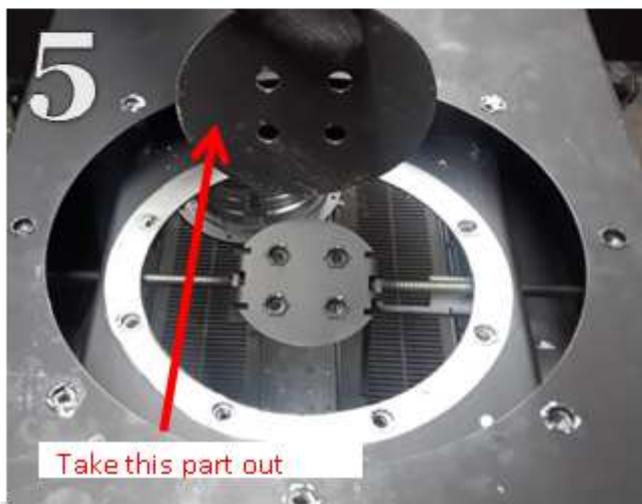
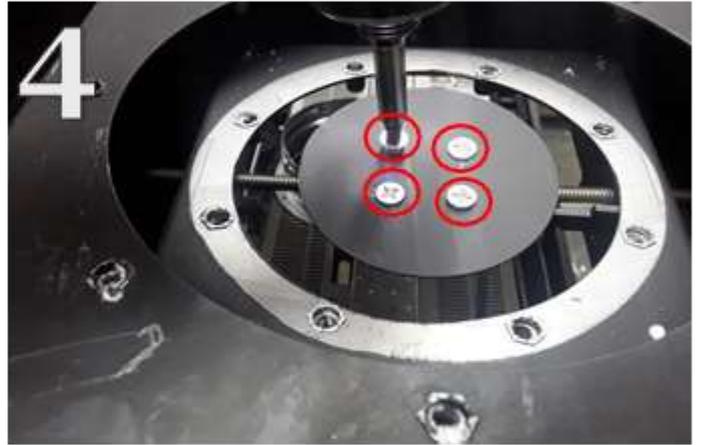
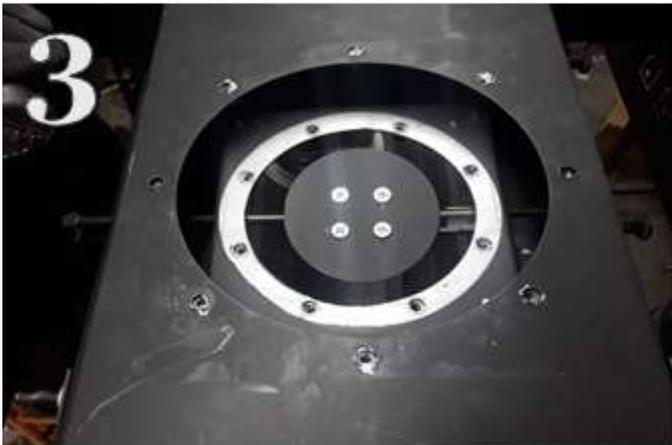
IN-LINE POWER VENT PARTS LIST:

ITEM NUMBER	PART NUMBER	DESCRIPTION
1	FanExNet	External Cover
2	Fan	Cooling Fan
3	Exhaust Blower	Main Fan
4	Draft Switch	HUBA Control
5	FanExDish	Electronic Board Holder
6	House of Exhaust Blower In-Line	In-Line Whole Block

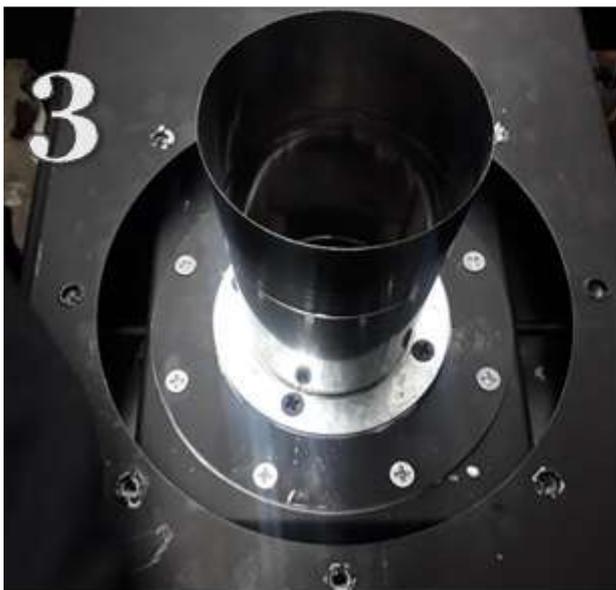
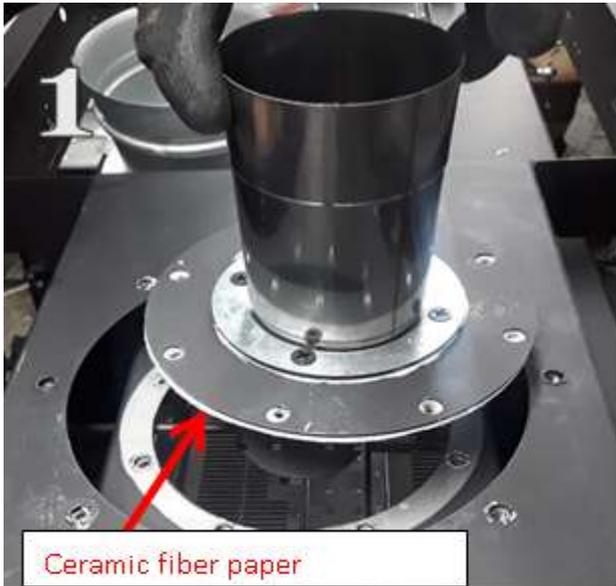
VENT ADAPTER CONVERSION

In the event a fireplace is shipped with a standard collar and needs to be converted to support a CVS 3x5 collar, follow the steps below:

1. Remove the 4x6/5x8 Vent adapter from the top of the fireplace as shown in the pictures below:



2. Install 3x5 Vent adapter:



- a. Attach the 3inch Female (inner) part first as shown in step1, then tighten the screws as shown in step 2.
- b. Use 3mm ceramic fiber paper to isolate the vent adapter as shown in steps 1 and 4.
- c. Step 4 shows the 5-inch male part base after using the ceramic fiber paper

3. Place the 5 Inch Male Adapter in place and tighten down screws to secure to unit.



CLEARANCES

CLEARANCES TO POWER VENT

This section describes the Flare Fireplaces Power Vent system clearance dimensions for building materials.

1. Clearance to Power Vent Fan.

- 24-inch clearance in front of access panel for service and removal.
- 12-inch clearance above axillary fan for cooling (if axillary fan is part of fan box assembly).
- 2-inch clearance on Flare Fireplaces Power Vent sides and bottom.

2. Access Panel for Flare Fireplaces In-Line Power Vent

- Minimum 18-inch x 18-inch access panel required for service.
- The Flare Fireplaces In-Line Power Vent must be in an area with a minimum 8 cubic feet of free air space to keep the component operating temperature cool. In addition, the access panel must be louvered to allow for a minimum of 75 sq. inches of free air space.

3. Flare Fireplaces Power Vent Mounting

- Mount the Flare Fireplaces Power Vent per local code requirements, and follow the manufacturer's instructions for securing venting

CLEARANCES TO POWER VENT 3X5 PIPE

Clearance between the vent pipe and combustible materials must be maintained at **3"** inches top and **1"** for side and below. Maintain the same clearance from the power vent box to any combustible materials.

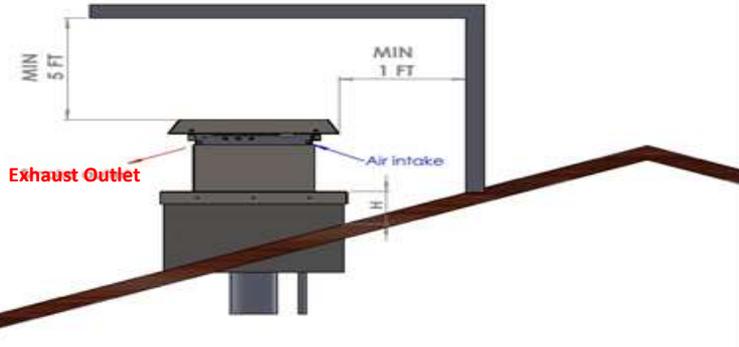
HORIZONTAL VENT CLEARANCES: A minimum clearance of **3"** (76mm) to the top and **1"** (51mm) to the sides and bottom of the vent pipe on all horizontal runs to combustibles is required.

VERTICAL VENT CLEARANCES: A minimum of **1"** (25mm) all around the vent pipe on all vertical runs to combustibles is required except for clearances in appliance enclosures.

MINIMUM CLEARANCES TO COMBUSTIBLES FROM VERTICAL PIPE



Vertical Vent Termination Opening/Framing will depend on the part used. See table or vent installation manual.

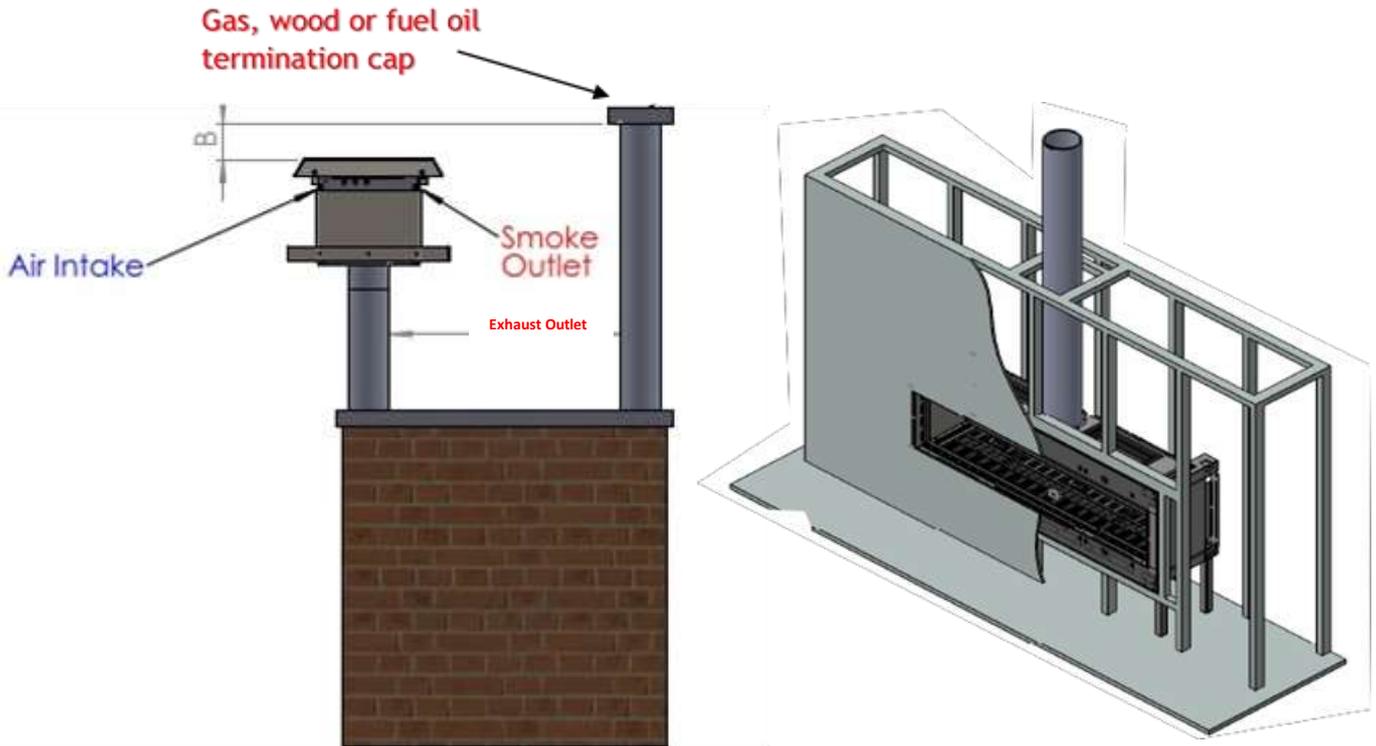


Termination Heights for Vents Above Flat or Sloped Roofs (Ref. NFPA 54 / ANSI Z223.1)		
Roof Pitch	Feet-H	Meters-H
Flat to 6/12	1	0.3
6/12 to 7/12	1.25	0.38
7/12 to 8/12	1.5	0.46
8/12 to 9/12	2	0.61
9/12 to 10/12	2.5	0.76
10/12 to 11/12	3.25	0.99
11/12 to 12/12	4	1.22
12/12 to 14/12	5	1.52
14/12 to 16/12	6	1.83
16/12 to 18/12	7	2.13
18/12 to 20/12	7.5	2.29
20/12 to 21/12	8	2.44

POWER VENT UNIT MUST BE INSTALLED BY A QUALIFIED INSTALLER IN ACCORDANCE WITH THESE INSTRUCTIONS. CAUTION! FAILURE TO INSTALL, OPERATE, AND MAINTAIN THE POWER VENTING SYSTEM IN ACCORDANCE WITH MANUFACTURER'S INSTRUCTIONS WILL RESULT IN CONDITIONS WHICH MAY PRODUCE BODILY INJURY AND/OR PROPERTY DAMAGE

DISTANCES BETWEEN MULTIPLE VERTICAL TERMINATION POINTS

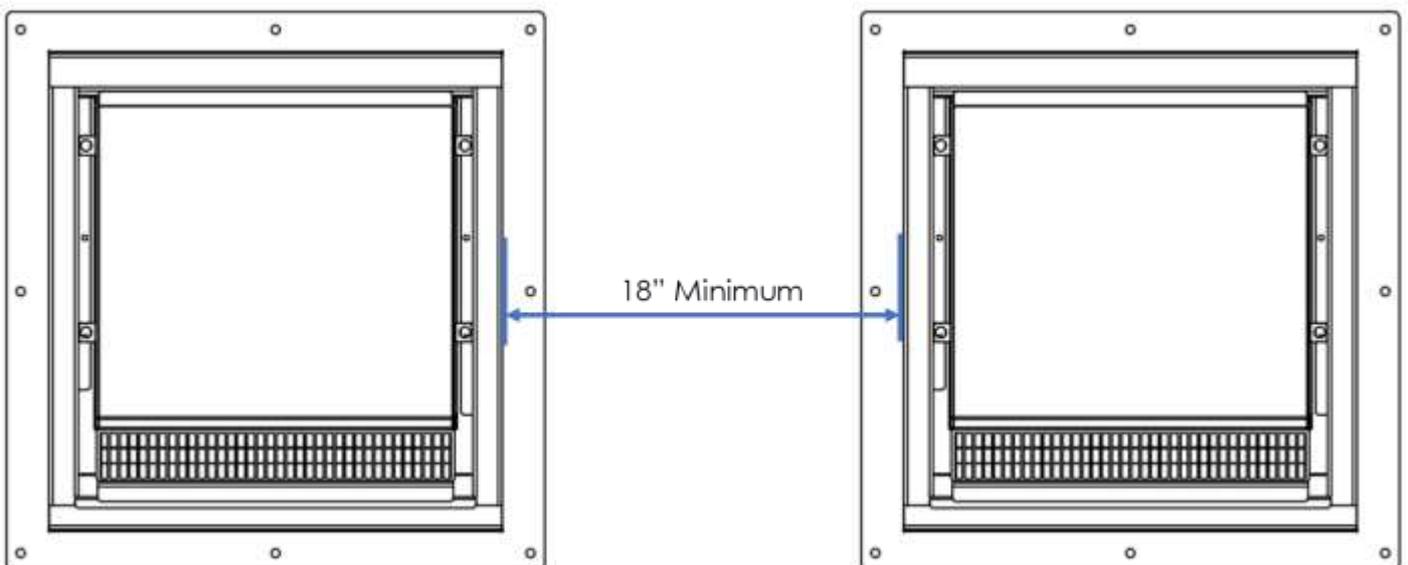
A	B
6 in. (minimum) up to 20 in. 152 mm/508 mm	18 in. minimum 457 mm
20 in. and over	0 in. minimum



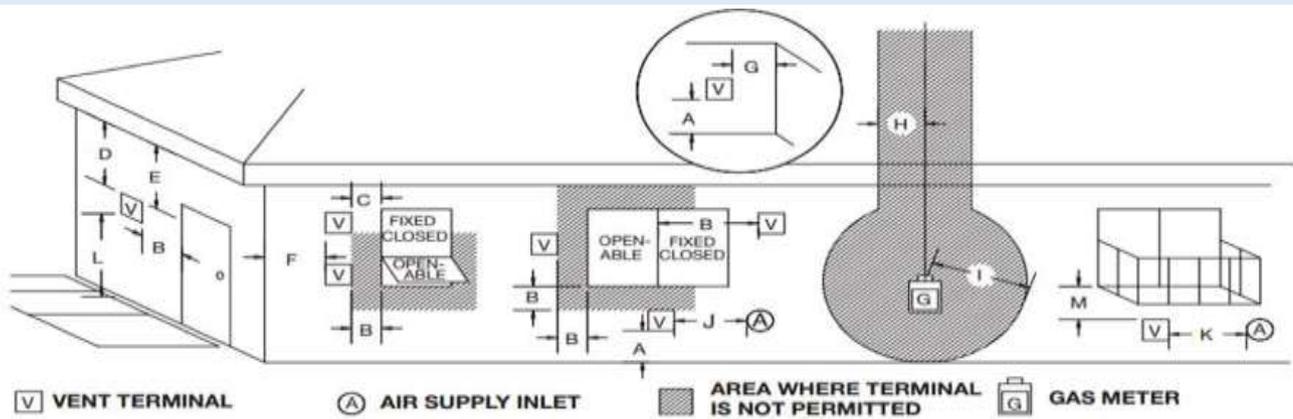
- If using decorative cap cover/s, this distance may need to be increased. Refer to the installation instruction supplied the decorative cap cover.
- In a staggered installation with both gas and wood or fuel oil termination, the wood or fuel oil termination cap must be higher than.

MINIMUM DISTANCE BETWEEN MULTIPLE HORIZONTAL TERMINATION POINTS

A minimum distance of 18 inches should be kept between multiple horizontal terminations.



VENT TERMINATION



A	[^] 12 inches (30 cm) min.	Clearances above grade, veranda, porch, deck, or balcony
B	**12 inches (30 cm) min.	Clearance to window or door that may be opened
C	12 inches (30 cm) min.	Clearance to permanently closed window recommended to prevent condensation on window
D	12 inches (30 cm) min. 18 inches (46cm) for vinyl surfaces	Vertical clearance to ventilated soffit located above the terminal within a horizontal distance of 2 feet (60 cm) from the edge of the terminal
E	12 inches (30 cm) min. 18 inches (46cm) for vinyl surfaces	Clearance to unventilated soffit.
F	6 inches (15 cm) min.	Clearance to outside corner
G	6 inches (15 cm) min.	Clearance to inside corner
H	3 feet (90 cm) min.	*Not to be installed above a meter/regulator assembly within 3 feet (90 cm) horizontally from the centerline of the regulator
I	3 feet (90 cm) min.	Clearance to service regulator vent outlet
J	*12 inches (30 cm) min.	Clearance to non-mechanical air supply inlet to building or the combustion air inlet to any other appliance
K	*6 feet (1.8 m) min.	Clearance to a mechanical air supply inlet
L	***7 feet (2.1 m) min.	Clearance above paved sidewalk or a paved driveway located on public property
M	****20 inches (51 cm) min.	Clearance under veranda, porch, deck, or balcony

[^] Vent shall not terminate directly above a sidewalk or paved driveway, located between two single family dwellings, serving both dwellings.

** Only permitted if veranda, porch, deck, or balcony is fully open on a minimum of 2 sides beneath the door.

* Clearance in accordance with local installation codes and the requirements of the gas supplier.

* As specified in CGA B149 Installation Codes, note local Codes or Regulation may require different clearances.

* For U.S.A. Installations follow the current National Fuel Gas Code, ANSI Z223.1

*** Horizontal vent termination minimum clearance to adjacent structure or fence is 48".

**** Minimum 24" horizontal clearance to any surface (such as an exterior wall) for vertical terminations.

VENT RESTRICTOR SETUP

Flare Fireplace direct vent system is equipped with a vent restrictor. Use the chimney path installation planning chapter to determine what the vent restrictor setup should be for your installation.

VENT RESTRICTOR CHANGES AND SETUP SHOULD ONLY BE DONE BY A CERTIFIED INSTALLER

- The unit leaves the factory with the vent restrictor open.
- The vent restrictor is adjusted using a 10mm wrench below the front upper frame.
- The vent restrictor setting is from 1 (minimum restriction) to 6 (max restriction).
- The installer will document the restrictor setting in the end of the installation.



VENT RESTRICTOR TROUBLESHOOTING

RESTRICTOR POSITION MUST BE OPENED IF THE FLAME HAS THE FOLLOWING CHARACTERISTICS:

- Flame is excessively tall and lifting.
- Flame lacks movement.

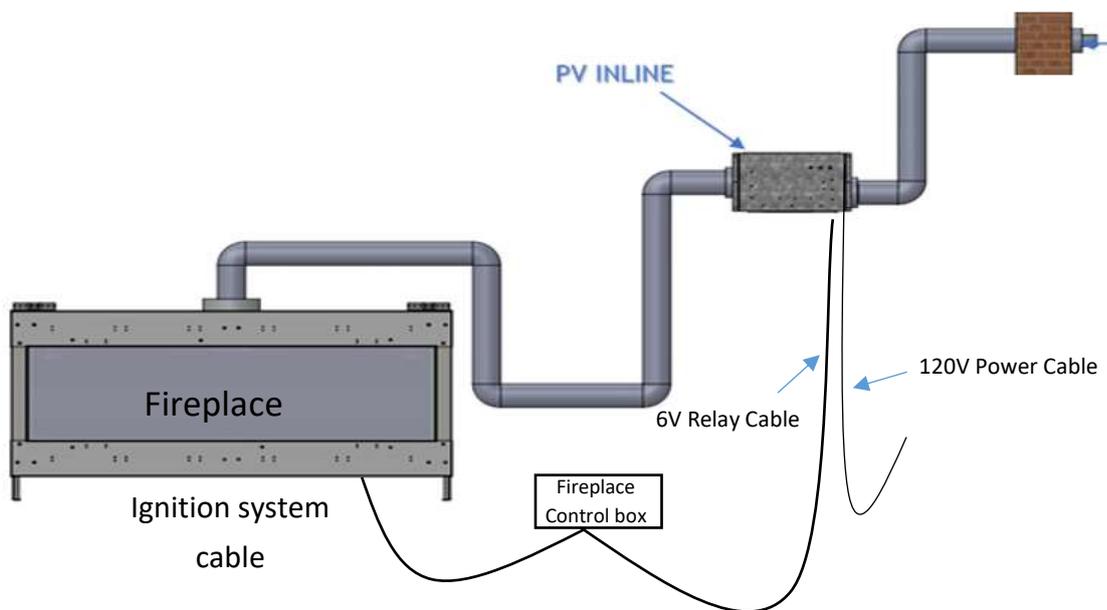
RESTRICTOR POSITION NEEDS TO BE CLOSED MORE IF THE FLAME HAS THE FOLLOWING CHARACTERISTICS:

- Flame height is low.
- Flame has excessive movement

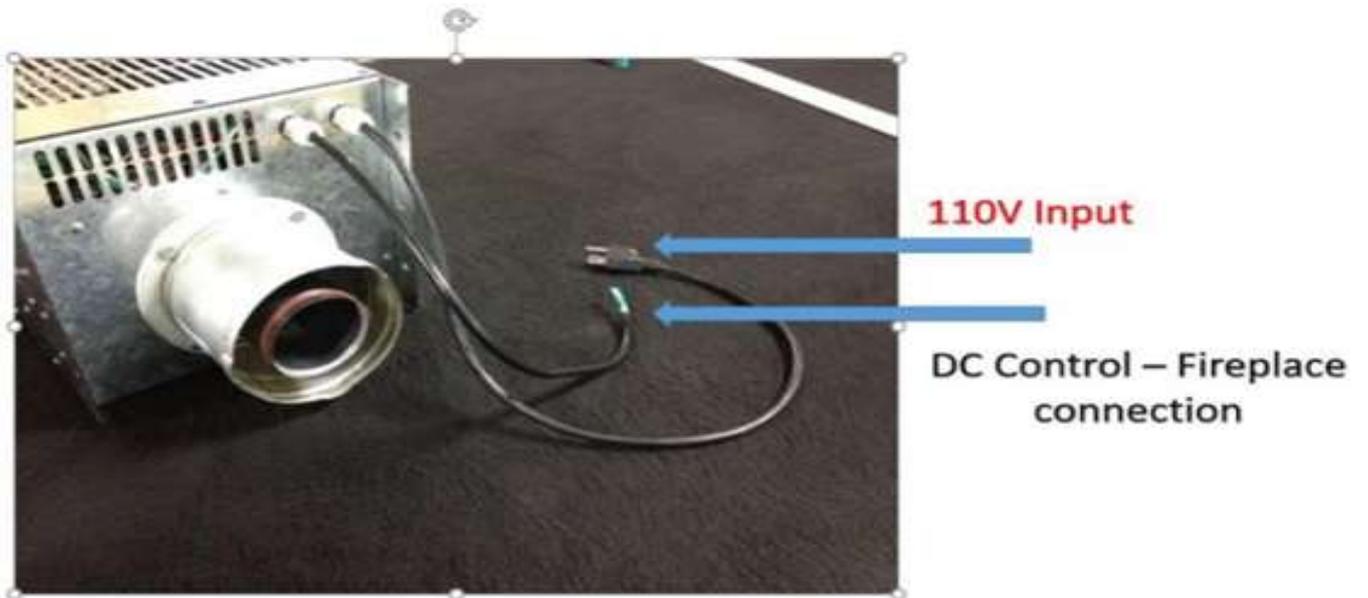
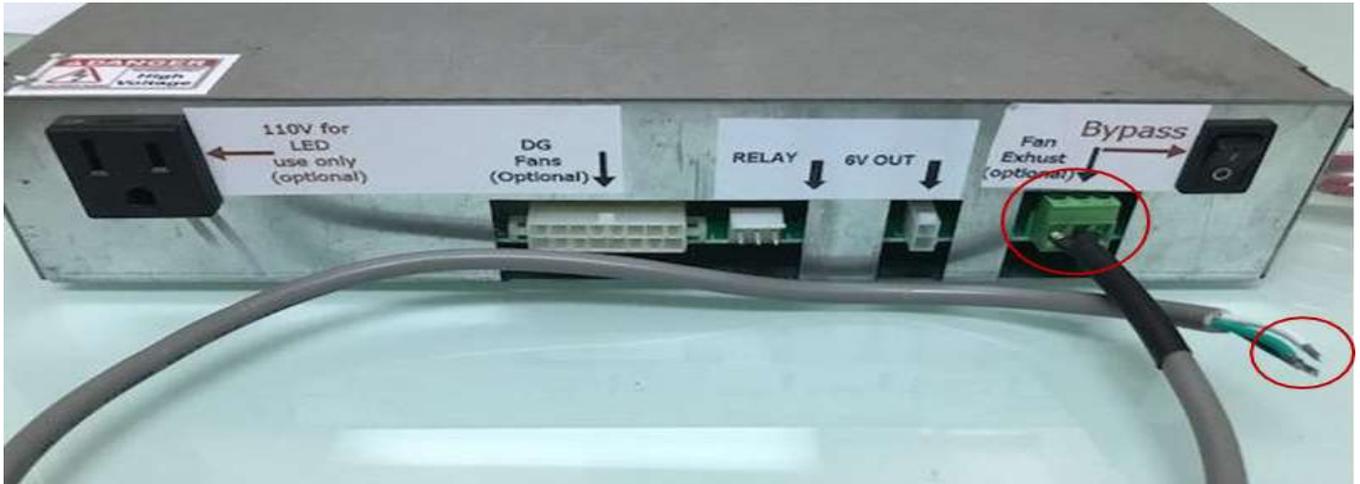
**DOCUMENT ANY CHANGE TO THE RESTRICTOR SETTING
CONTACT FLARE FIREPLACES FOR SUPPORT IF NEEDED**

POWER VENT ELECTRICAL CONNECTIONS

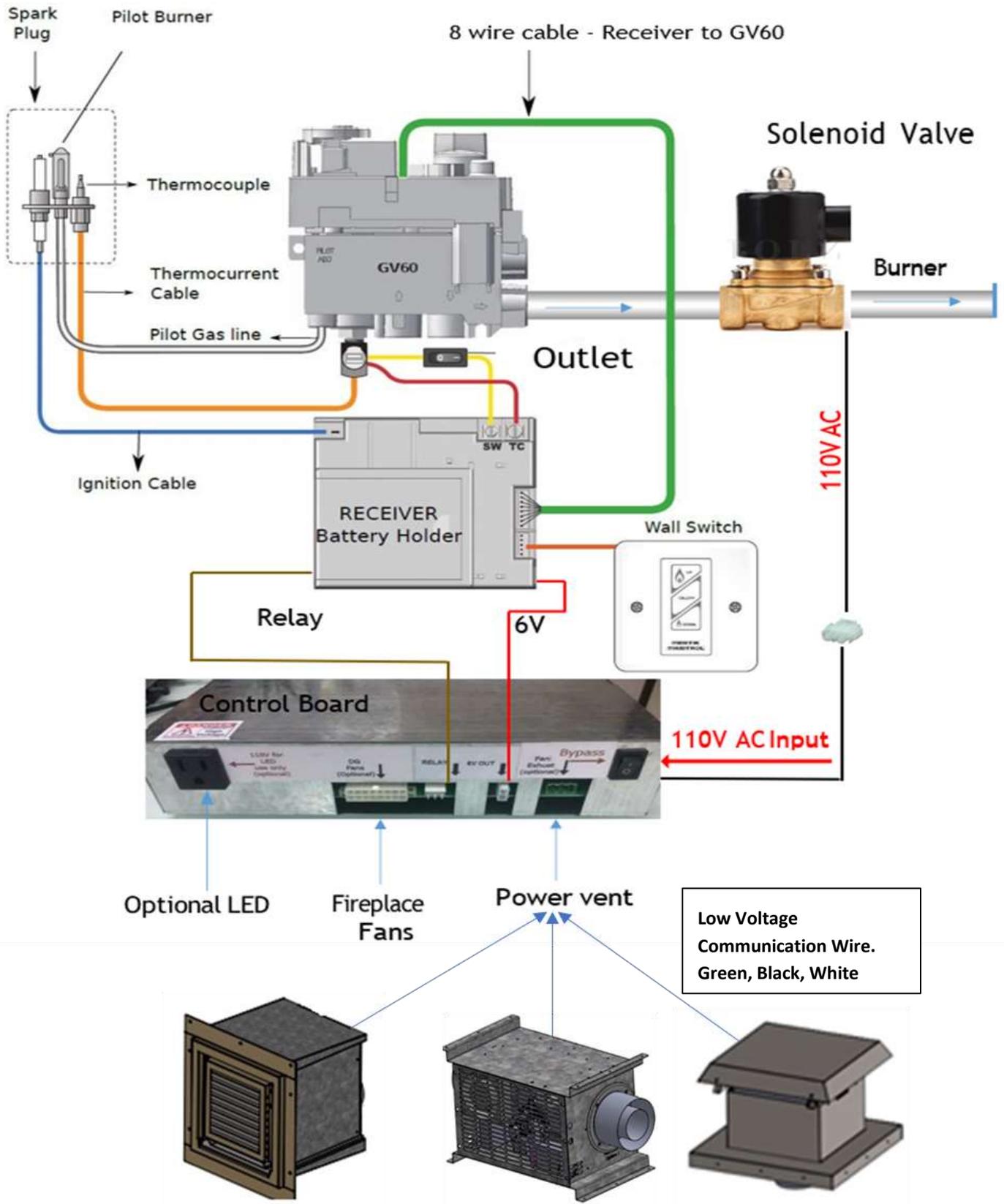
- All Flare Fireplaces PV system are connected to the Fireplace with a low voltage 6V cable.
- In addition, the Power Vent system will require a separate 15A power source connected to it. The electrical line to the Power Vent must supply 120 Volts, 60 Hz, and 15 Amps (maximum draw). Dedicated circuit for the Power Vent is recommended.
- The appliance, when installed, must be electrically grounded in accordance with local codes or, in the absence of local codes, with the National Electrical Code, ANSI/NFPA 70, or the Canadian Electrical Code, CSA C22.1.
- The PV system is connected to the Fireplace control system with a **low voltage (6V)** 3 wire cable.
- Cable to be used is 18 AWG-3 copper wires. Cable can be ordered from Flare or sourced from any hardware store (18 AWG 4 wire can also be installed, use only 3 wires).
- Connect low voltage cable and match to colors on the terminal between the PV harness. (White to White, Black to Black & Green to Green)
- Fans and sensors on the main board are optional and will be included on double glass systems.



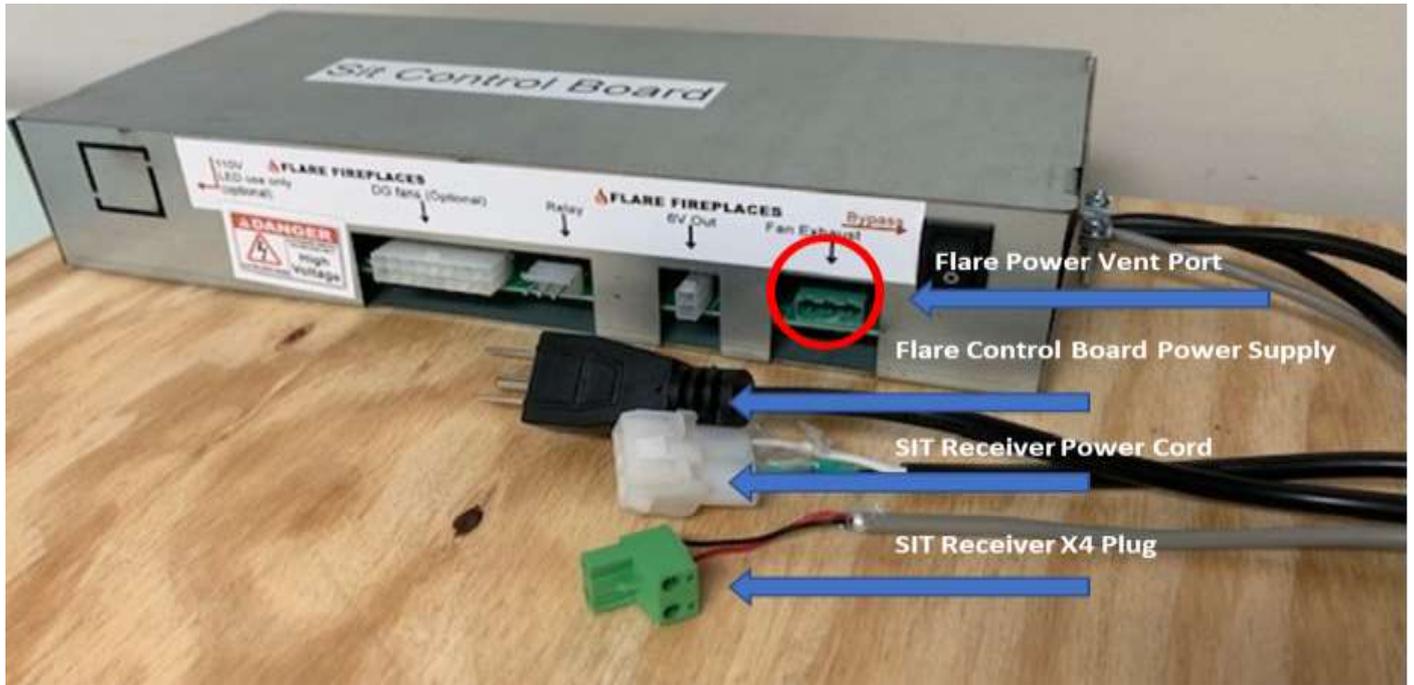
MAXITROL CONNECTIONS



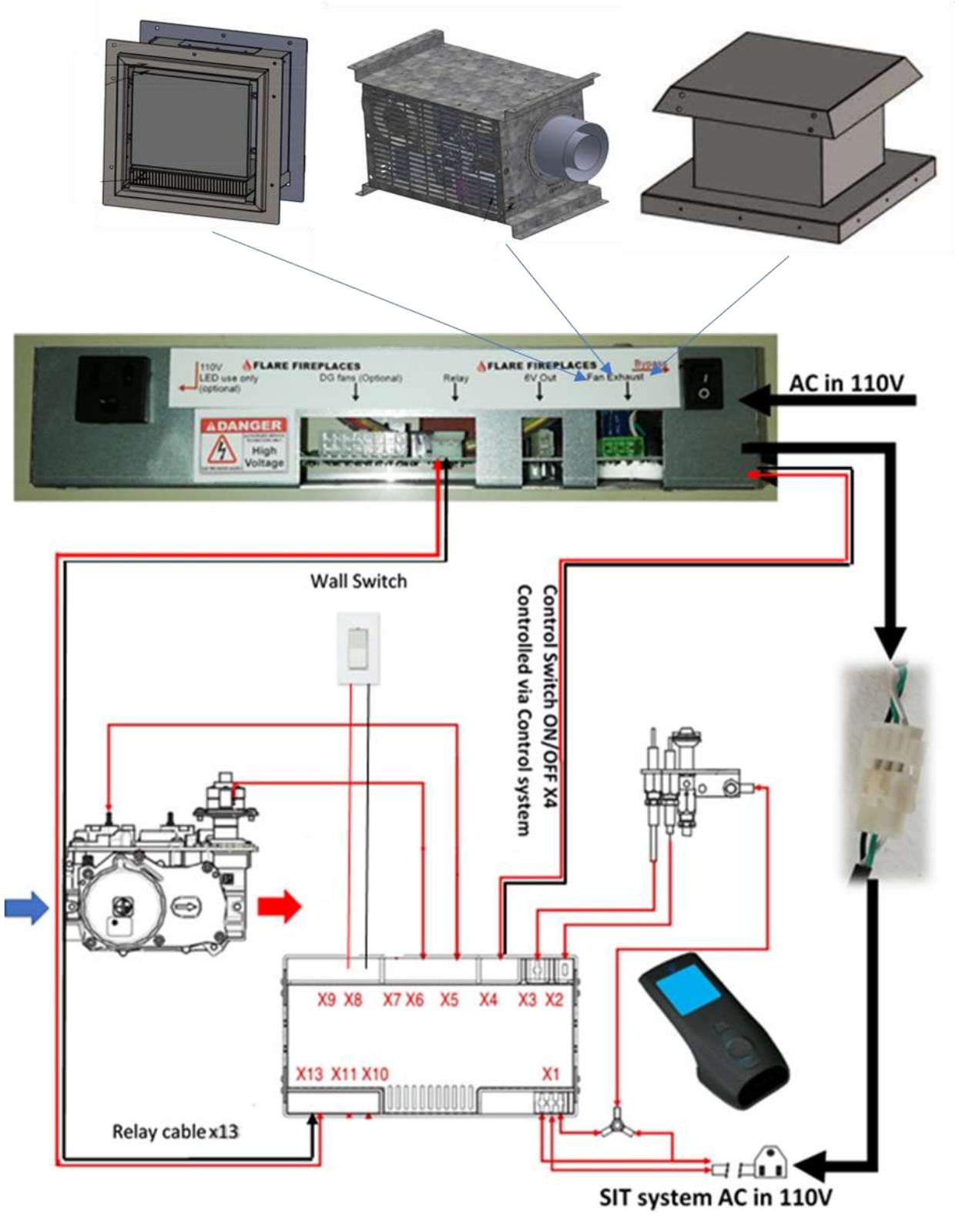
Flare Fireplaces - Power Vent



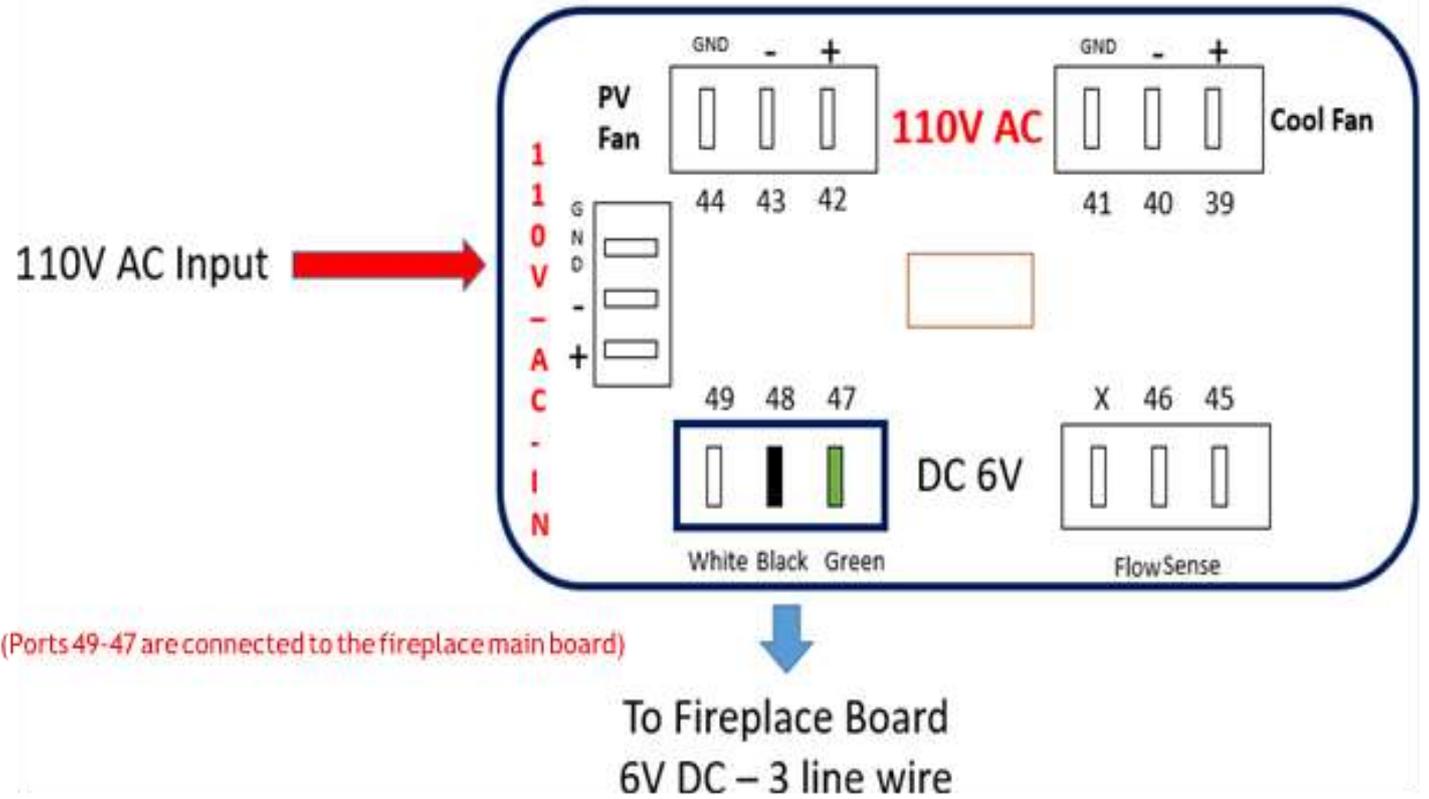
SIT PROFLAME II CONNECTIONS



FIREPLACE ELECTRICAL DRAWING (WITH POWER VENT – SIT PROFLAME II)

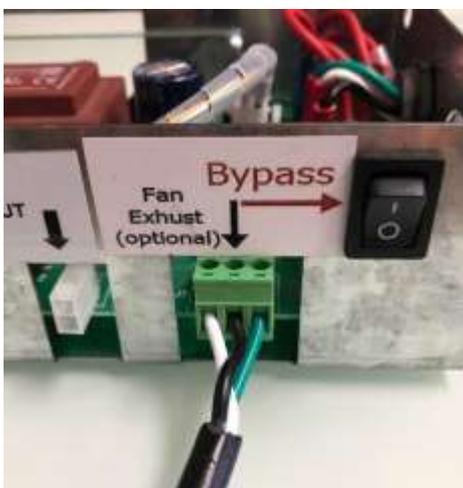


PV Control Board



STARTING UNIT

Following successful connection of Fireplace control system to Power Vent via communication cable you must ensure the fireplace control board operates fireplace **ONLY** when Power Vent is functioning correctly.



With Fireplace started and running, unplug Power Vent Communication wire from Fireplace Control Board.

Fireplace should cease burning immediately. Ensure the Blue LED light on the Fireplace control system turns off, the Power Vent stops and the main gas valve closes. Power off unit, return Power Vent Communication wire to board and restart fireplace. The Blue LED should illuminate, Power Vent should power on, pilot should begin, main gas valve should re-open, and fireplace will ignite.

Should the fireplace NOT shut off when the communication wire is removed, or the fireplace does not function as normal when communication wire is restarted check to ensure no breaks or shorts have occurred and that the vacuum switch inside the Power Vent is functioning properly. Contact Flare Fireplaces for any additional questions.

VENTING

To calculate the vent runs, use the following tables and instructions. Please note that power vent runs are model (burner) specific. Use the tables below to calculate the restrictor setting.

A minimum length of 12ft venting is required between the Fireplace and the PV, Flare Fireplaces sizes 30"-70". A minimum length of 15ft, Flare sizes 80"-100", is required between the fireplace and the PV. Elbows do not count towards required minimum length.

- Standard 90 Degree elbow = 3 Ft.
- Laying 90 Degree elbow = 6 Ft.
- 45 Degree elbow = 1.5 Ft.
- Laying 45 Degree Elbow = 3 Ft.
- Vent termination = 3 Ft.

FLARE-30 (FLARE-FF, FLARE-ST, FLARE-RC, FLARE-LC, FLARE-DC)

Run Length	Restrictor Setting	Burner Type	Unit Type
12--28	5	B	Flare 30
28--40	4	B	Flare 30
40--52	3	B	Flare 30
52--64	3	B	Flare 30
64--76	3	B	Flare 30
76--88	2	B	Flare 30
88--100	2	B	Flare 30

FLARE-45 (FLARE-FF, FLARE-ST, FLARE-RC, FLARE-LC, FLARE-DC, FLARE-RD)

Run Length	Restrictor Setting	Burner Type	Unit Type
12--28	5	C	Flare 45
28--40	4	C	Flare 45
40--52	3	C	Flare 45
52--64	3	C	Flare 45
64--76	3	C	Flare 45
76--88	2	C	Flare 45
88--100	2	C	Flare 45

FLARE-50 (FLARE-FF, FLARE-ST, FLARE-RC, FLARE-LC, FLARE-DC, FLARE-RD)

Run Length	Restrictor Setting	Burner Type	Unit Type
12--28	4	D	Flare 50
28--40	4	D	Flare 50
40--52	3	D	Flare 50
52--64	3	D	Flare 50
64--76	3	D	Flare 50
76--88	2	D	Flare 50
88--100	2	D	Flare 50

FLARE-60 (FLARE-FF, FLARE-ST, FLARE-RC, FLARE-LC, FLARE-DC, FLARE-RD)

Run Length	Restrictor Setting	Burner Type	Unit Type
12--28	4	E	Flare 60
28--40	4	E	Flare 60
40--52	4	E	Flare 60
52--64	3	E	Flare 60
64--76	3	E	Flare 60
76--88	2	E	Flare 60
88--100	1	E	Flare 60

FLARE-70 (FLARE-FF, FLARE-ST, FLARE-RC, FLARE-LC, FLARE-DC, FLARE-RD)

Run Length	Restrictor Setting	Burner Type	Unit Type
12--28	4	F	Flare 70
28--40	4	F	Flare 70
40--52	3	F	Flare 70
52--64	3	F	Flare 70
64--76	2	F	Flare 70
76--88	1	F	Flare 70
88--100	1	F	Flare 70

FLARE-80 (FLARE-FF, FLARE-ST, FLARE-RC, FLARE-LC, FLARE-DC, FLARE-RD)

Run Length	Restrictor Setting	Burner Type	Unit Type
12--28	4	G	Flare 80
28--40	4	G	Flare 80
40--52	3	G	Flare 80
52--64	3	G	Flare 80
64--76	2	G	Flare 80
76--88	1	G	Flare 80
88--100	1	G	Flare 80

FLARE-100 (FLARE-FF, FLARE-ST, FLARE-RC, FLARE-LC, FLARE-DC, FLARE-RD)

Run Length	Restrictor Setting	Burner Type	Unit Type
12--28	3	H	Flare 100
28--40	3	H	Flare 100
40--52	2	H	Flare 100
52--64	1	H	Flare 100
64--76	1	H	Flare 100
76--88	1	H	Flare 100
88--100	1	H	Flare 100

CONNECTING 3X5 PIPE

The Flare Power Vent system uses DuraVent 3x5 CVS vent system. The DuraVent CVS vents includes a lock system and a silicone gasket on every side of the vent. Make sure you follow the DuraVent CVS installation manual:

<http://duravent.com/docs/product/I916.pdf>

Please follow the vent marking for directing of vent flow. The direction is clearly marked on the 3x5 vents, the Fireplace vent adapter, and the Power Vent adapters. See the pictures below for clarification on the Power Vent system vent connection:



POWER VENT INLET



POWER VENT OUTLET

REPLACEMENT PARTS

See below for flare replacement part list.

- Please contact your fireplace dealer to purchase any replacement part.
- Please make sure to provide the description and part number.
- Please make sure to use a certified installer for any service related to your fireplace

FLARE FIREPLACES GENERAL PARTS - POWER VENT		
PART	DESCRIPTION	SKU
PV-FLARE-IL	Inline power vent	100IPV
PV-VT-EOL	End of line, vertical termination	100VPV
PV-HT-EOL	End of line, flush-mounted horizontal termination	100HPV
PV-HV-CABLE	Price Per Foot - Metal Wrapped High Voltage 14 4 Power Vent Cable	PVHVCBL
PV-FAN	Replacement Power Vent Fan	PVFAN
PV-CABLE	PV 4-Wire Board Cable V5 (Pigtail for Flare Board)	PVCBL
PVSK-Cable	PV/SK 5-Wire Cable V5 (Pigtail for Flare Board)	PVSKCBL

APPENDIX

- It is recommended that a qualified service technician perform a routine inspection at the beginning of each heating season.
- Disconnect power before attempting maintenance or repair of the fireplace.
- Installation and maintenance must be performed by an authorized qualified installer, service agency or gas supplier.
- Any safety screen or guard removed for servicing placed back before operating this appliance.
- DO NOT USE this appliance if any part has been under water. Immediately call a qualified service technician to inspect the unit and to replace any part of the control system and any gas valve that has been under water or impacted.
- Any alteration to the product that causes soot or carbon to form and results in damage is not the responsibility of the manufacturer.
- Do not modify or substitute any part of this appliance.
- Inspect the external vent cap on a regular basis to make sure that no debris, plants, trees, or shrubs are interfering with the air flow.
- Do not operate the fireplace without the fireplace glass.
- It is imperative that control compartments, screens, or fans system for double glass be kept clean and free of obstructions. These areas provide the air necessary for safe operation.
- Light the heater using the built-in igniter. Do not use matches or any other external device to light your heater.
- Never remove, replace, modify, or substitute any part of the heater unless instructions are given in this manual. All other work must be done by a trained technician. Don't modify or replace orifices.

YEARLY SERVICE REQUIREMENTS

Failure to inspect and maintain the fireplace may lead to improper combustion and a potentially dangerous situation. We recommend the following procedures be done by a qualified technician.

Glass Maintenance

- Always use suction cups to remove the fireplace glass. Use the manual procedure for instruction on how to remove the fireplace glass. Always use gloves when removing the glass to protect your hand and prevent fingerprints on the glass.
- DO NOT USE abrasive cleaners on the glass panels. DO NOT ATTEMPT to clean the glass panels when they are hot.
- Do not use normal household (usually ammonia-based) glass cleaners to clean the glass as these cleaners can leave a permanent stain. Only a gas fireplace glass cleaner should be used.
- Verify no cracks or breakage in the glass.
- Place glass in a safe location to prevent breakage.
- Never attempt to operate the fireplace without the fireplace glass.

PILOT MAINTENANCE

- Visually inspect the pilot flame. The pilot flame should be always present when the fireplace is in operation.
- Make sure the pilot flame has two flame tips pointing to the flame sensor (thermocouple) and to the center of the burner.
- Make sure the pilot area is clean from any dust, media or any other debris that may disrupt the operation of the ignition system. Lint or foreign material must be removed with a brush or vacuum.
- Verify fireplace ignition using the remote or wall switch. Verify electronic ignition, sparking sequence, pilot operation and burner ignition.

BURNER MAINTENANCE

- The flames from the burner should be visually checked. The flame should have a blue base and yellow tops and be candle-like in appearance.
- If excessive soot is found inside the firebox area, the fireplace will require adjustment. Verify the air shutter and vent restrictor setting and document any changes.
- If the flame becomes sooty, dark orange in color, or extremely tall, do not operate the heater.
- Measure gas pressure. Inlet_____W.C., Outlet__W.C.

VENT MAINTENANCE

The following venting system inspection by a qualified service technician is recommended every six months:

- Inspect for excessive condensation, e.g., water droplets forming in the inner lining and subsequently dripping out of the joints. This can cause corrosion in the system.
- Check for corrosion in areas exposed to the elements. Where rust spots or holes have appeared, these must be immediately replaced.
- Ensure that there is no foreign material in the vents. Survey by removing the cap and shining a light down the vent.
- Check all joints and pipes to make sure that nothing has been disturbed or loosened.

DOUBLE GLASS FANS

- Disconnect power to the Flare control system.
- Remove the external glass and the covering trim.
- Inspect the fans around the Flare firebox and make sure they are all turning.
- Clean all fans with a brush and vacuum to remove any dust or debris.
- Inspect the lower fireplace intake. Clean the lower vent intake with a brush and vacuum any dust or debris.
- Connect back the Flare control power and press the Flare remote arrow down. Make sure all fans are working properly.
- Turn off the fans and install back the trim and glass.

WARRANTY POLICY

Flare Fireplaces takes measures to assure all products are tested, verified, and free from defects prior to leaving warehouse. Our Factory is subject to high quality standard under the supervision of the CSA organization.

Flare Fireplaces Warranty Information:

- 1-year Limited Warranty on the gas valve, remote, pilot burner assembly, electric components and fan motors, interior decorative media.
- 5 Year Limited Warranty for Ceramic glass (thermal breakage only)
- 10-year Limited warranty on the firebox and burners
- Flare warranty shall be effective only if the original purchaser of the fireplace appliance is registered with Flare Fireplaces within thirty days of the date of purchase.
- Minor warping of certain parts or discoloration is normal and is not considered a defect that is covered by this warranty. Major disruption and buckling of parts can be caused by over-firing of your Fireplace. Over-firing above rated value specified in the manual is contrary to the manufacturer's instructions and may void this warranty.
- All installations must be performed by a qualified technician in accordance with applicable local and national requirements.
- Installations must be done in accordance with the appliance manual. The Limited Warranty applies only if the product is installed in the United States or Canada and only if installed, operated, and maintained in accordance the attached product manual.
- Warranty coverage begins on the date of original purchase.
- It is the responsibility of the installer to ensure the appliance is firing as per the rating plate.
- Any part that is found in our judgment to be defective shall be repaired, replaced, or refunded at Flare Fireplaces option.
- This warranty only covers Flare Fireplaces appliances that are purchased through a Flare Fireplace authorized dealer or distributor.
- The warranty is only valid while the Flare Fireplace appliance remains at the site of original installation.
- Contact your installing dealer for warranty service. If the installing dealer is unable to provide necessary parts, contact the nearest Flare Fireplaces authorized dealer or supplier
- All installations must be performed by a qualified technician in accordance with applicable local and national requirements.
- Warranty coverage begins on the date of original purchase.
- It is the responsibility of the installer to ensure the appliance is firing as per the rating plate.
- Any part that is found in our judgment to be defective shall be repaired, replaced, or refunded at Flare Fireplaces option.
- This warranty only covers Flare Fireplaces appliances that are purchased through a Flare Fireplace authorized dealer or distributor.
- The warranty is only valid while the Flare Fireplace appliance remains at the site of original installation.

CONTACT YOUR INSTALLING DEALER FOR WARRANTY SERVICE. IF THE INSTALLING DEALER IS UNABLE TO PROVIDE NECESSARY PARTS, CONTACT THE NEAREST FLARE AUTHORIZED DEALER OR SUPPLIER.

Warranty is void if:

- Use of an unauthorized type of media in the firebox.
- The appliance has been over-fired or operated in atmospheres contaminated by chlorine, fluorine, or other damaging chemicals. Over-firing can be identified by, but not limited to, warped plates or tubes, rust colored cast iron, bubbling, cracking and discoloration of steel or enamel finishes.
- The appliance is subjected to prolonged periods of dampness or condensation.
- There is any damage to the appliance or other components due to water or weather damage, which is the result of, but not limited to, improper chimney or venting installation.
- Holes have been drilled into the fireplace for any reason.

Exclusions:

This warranty does not apply to any component that shows evidence of misuse, abuse, improper installation, accident, or lack of maintenance. Flare Fireplaces is not responsible for televisions, mantles, surrounds or finishing material around the fireplace. Flare Fireplaces, at its discretion, discharge all obligations by refunding the wholesale price of the defective part. The Limited Warranty covers only parts and labor as provided above. Flare Fireplaces is not responsible for materials, components, or construction, which are not manufactured or supplied by Flare Fireplaces or for labor necessary to install, repair or remove such materials, components, or construction.