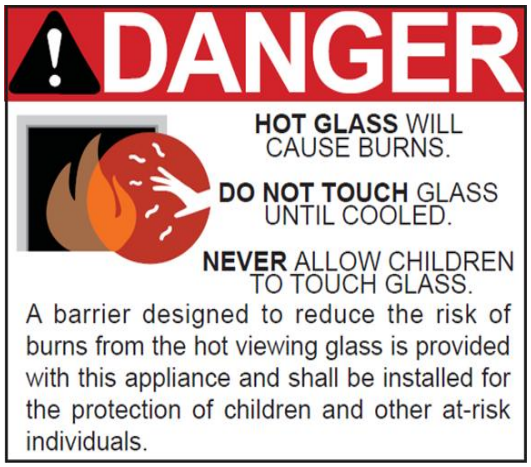
FLARE FIREPLACES

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 FLAMMABEL VAPORS AND LIQUIDS IN THE VICINTY 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 SUPPLIERS' INSTRUCTIONS.
  - IF YOU CANNOT REACH YOUR GAS SUUPLIER, CALL THE FIRE DEPARTMENT.
- INSTALLATION AND SERVICE MUST BE PERFORMED BY A QUALIFIED INSTALLER, SERVICE AGENCY OR GAS SUPPLIER.



NOTICE

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

FLARE FIREPLACES

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FLARE FIREPLACES

SAFETY INFO AND WARNINGS

NOTICE

- 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.
- A qualified installer, service agency or supplier must perform installation and service.
- 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 toddles, 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.
- Never leave children or other at-risk individuals alone with the appliance.
- 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 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 are where innovation, quality and luxury come together to form innovative 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 modern gas fireplaces are distinguished by their clean linear design, superior built quality, and unique features.

CSA CERTIFICATION

All our fireplaces are evaluated and have been certified to meet stringent CSA guidelines, ensuring optimum quality, safety, and efficiency, as well as been certified and evaluated to work with Natural Gas or Liquid Propane.

Certification Information: CSA File # 263124
CSA/ANSI Z21.88-2019 • CSA 2.33-2019- Vented Gas Fireplace Heaters
CSA Classes: CLASS 2901 84 / CLASS 2901 04
All fireplaces are rated for commercial and residential use.

The CSA Mark
The Canadian Standards Association (CSA) is a nonprofit association serving business, industry, government and consumers in Canada and the global marketplace. Among many other activities, CSA develops standards that enhance public safety. A Nationally Recognized Testing Laboratory, CSA is familiar with U.S. requirements. **According to OSHA regulations, the CSA-US Mark qualifies as an alternative to the UL Mark.**

Here are some areas where CSA standards are applied:

- Canadian Electrical Code, Part III-Outside Wiring
- Electrical Engineering Standards
- Electromagnetic Compatibility

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”

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. The 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:

DuraVent 3x5 Catalog

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.
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 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 90-degree 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 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.

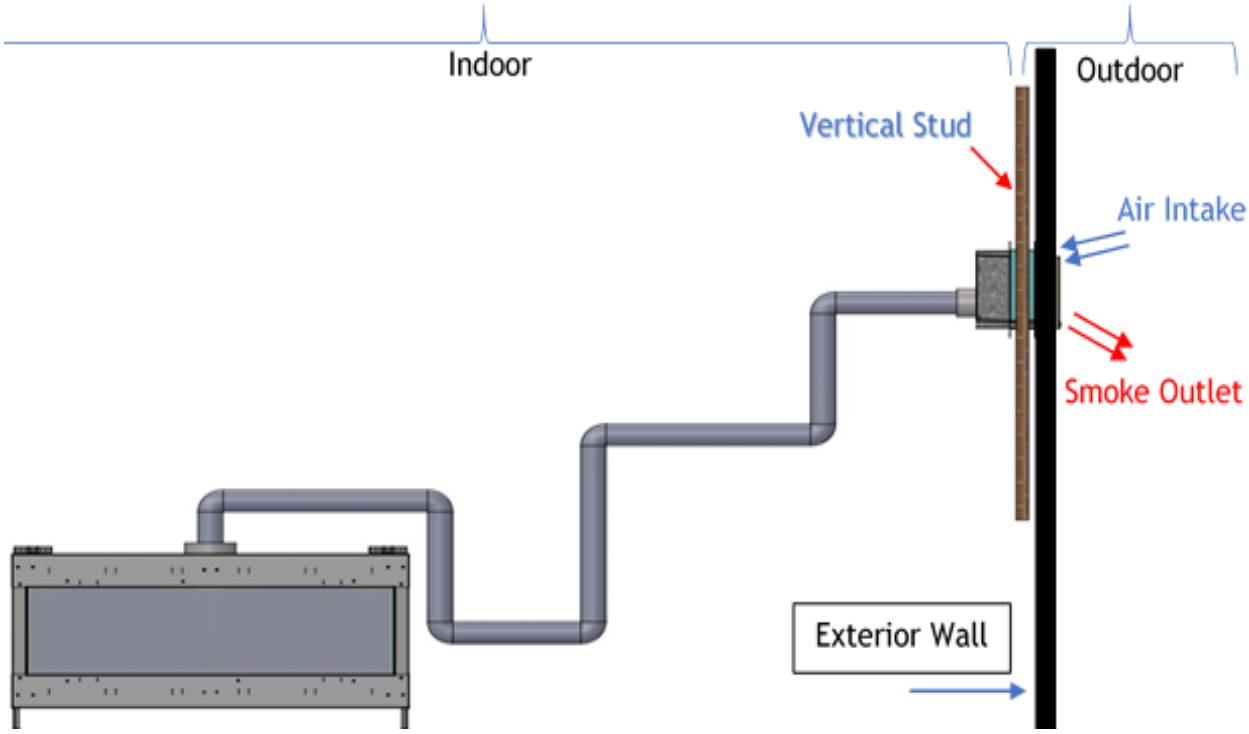
- Do not install any Power Vent system if the minimum length is below listed above. The three Power Vent systems can be installed with a maximum of 5ft vent run below the fireplace.

- Do not install any of the Flare Power Vent fans inside the fireplace cavity, as this increases the risk of overheating

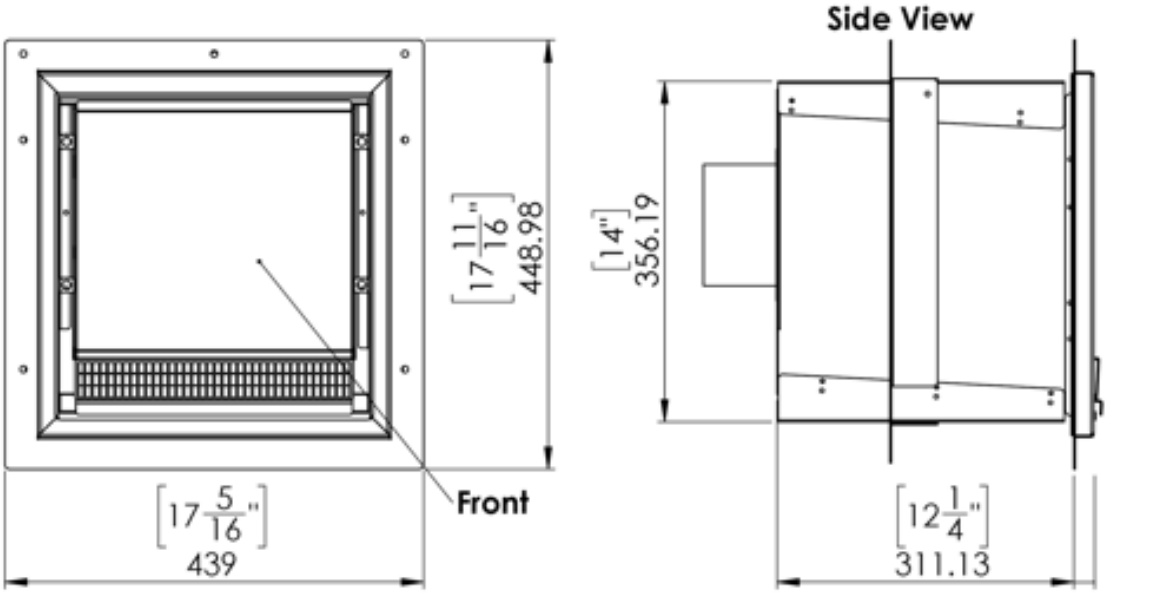
- Do not snake 3x5 vent pipe within cavity to achieve minimum length, as this will lead to increased heat buildup.

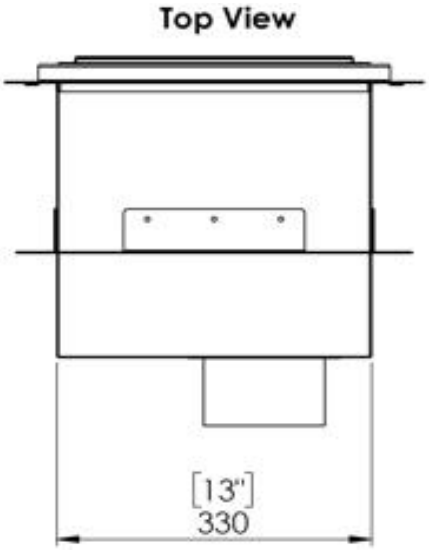
POWER VENT DRAWINGS

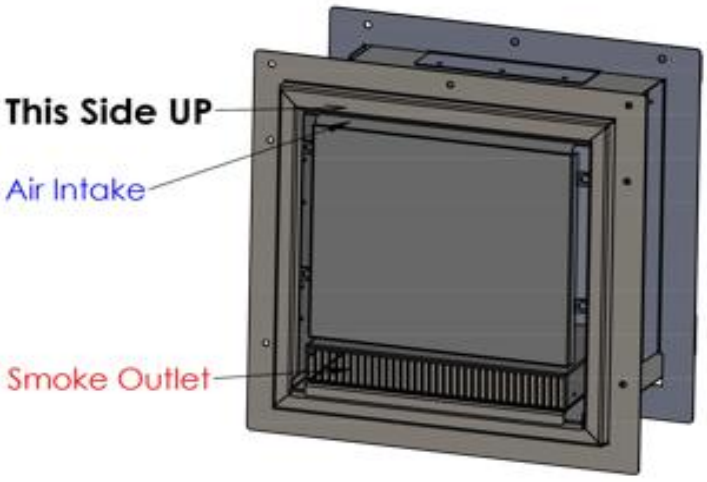
FLUSH HORIZONTAL END-OF-LINE



DRAWING – FLUSH HORIZONTAL END OF LINE

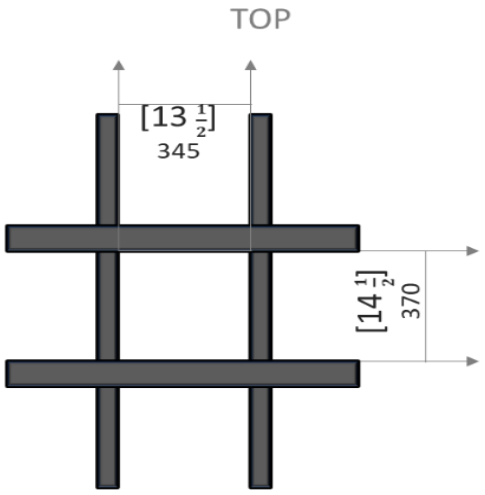




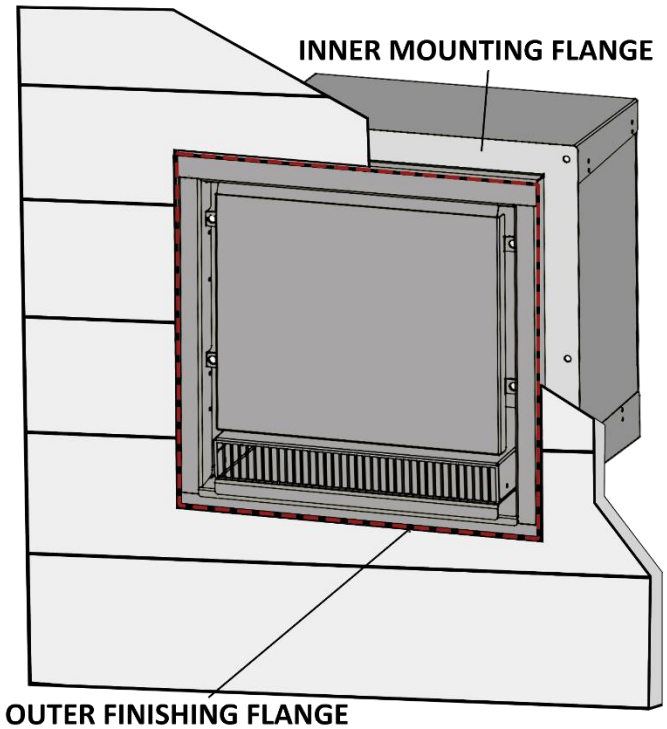


ROUGH OPENING – FLUSH HORIZONTAL END OF LINE

13 ½" W x 14 ½" H

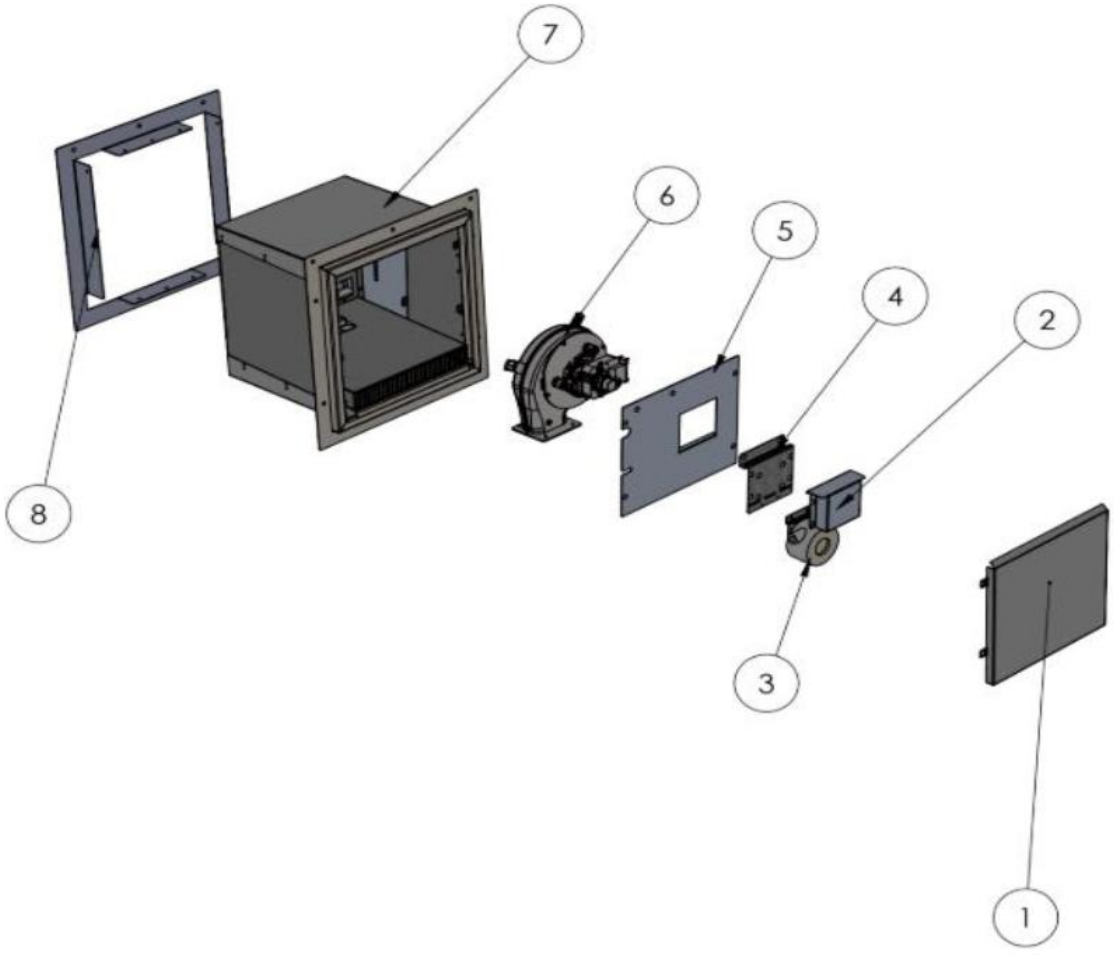


FINISHING FLANGES - FLUSH HORIZONTAL END OF LINE

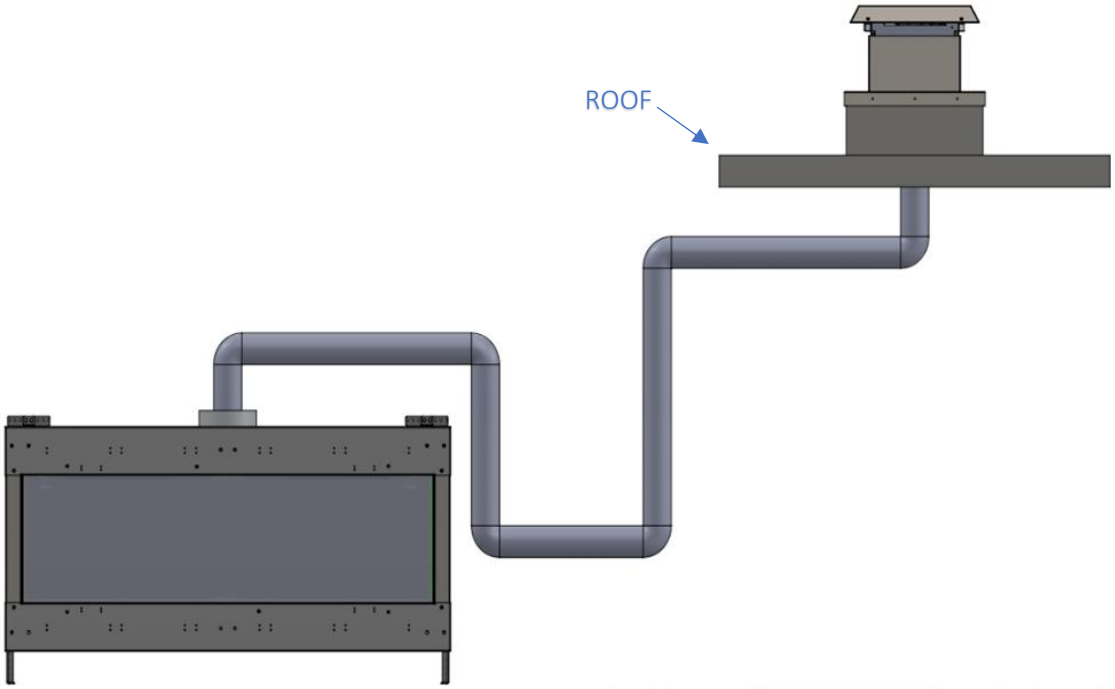


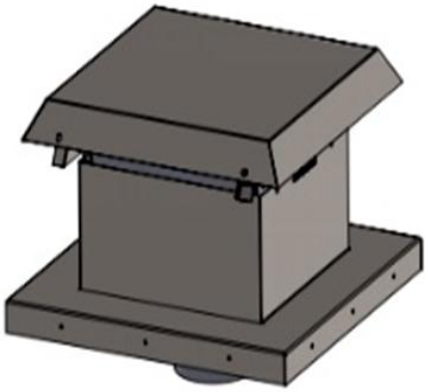
PARTS LIST - FLUSH HORIZONTAL END OF LINE

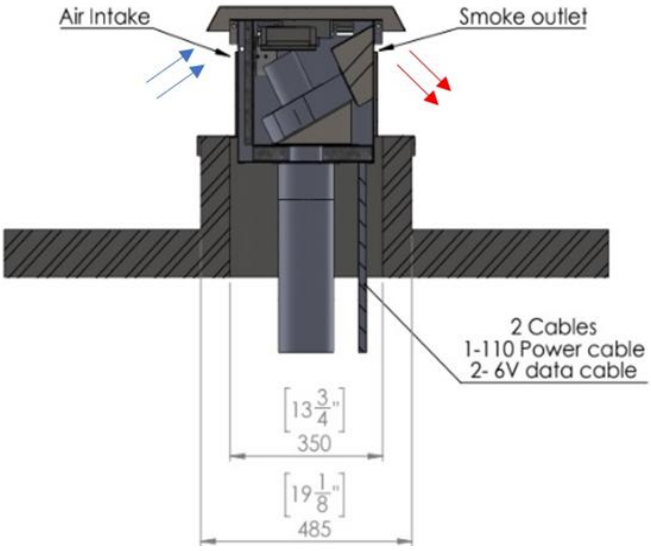
ITEM NUMBER	PART Name	DESCRIPTION
1	W-F-08	PV External Cover
2	W-F-14	PV Board Cover
3	Draft Switch	HUBA controls to measure fan pressure
4	Elec. Holder	Electrical wiring holder
5	Motor inner cover	Internal cover motor
6	Exhaust Blower	Main Exhaust Fan
7	Housing of Exhaust Blower	PV Whole Block
8	W-F-10	Bracket for fixing PV hole.
9	Exhaust Blower Carrier	Exhaust Outlet Holder



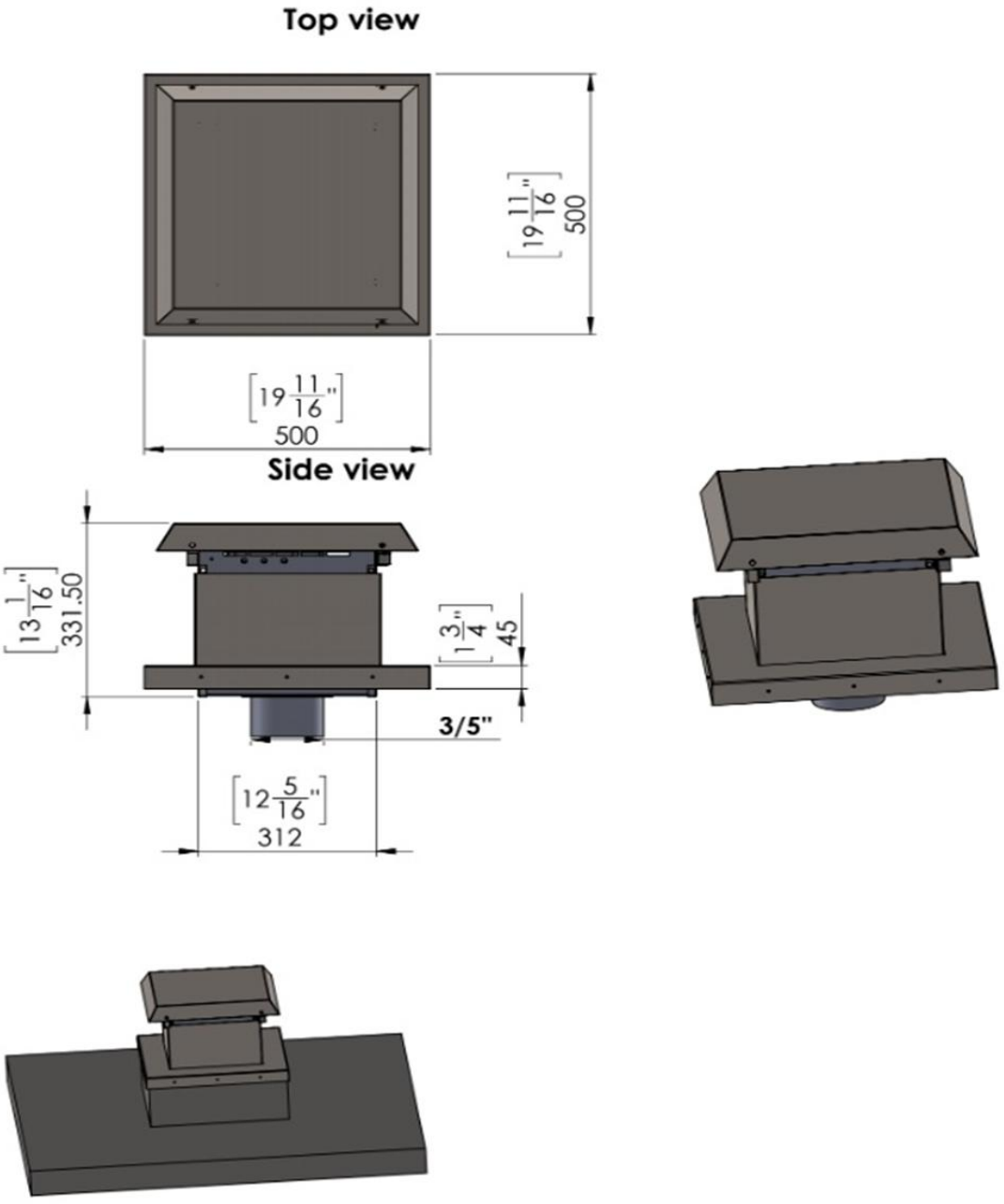
VERTICAL END-OF-LINE POWER VENT – ROOF MOUNT







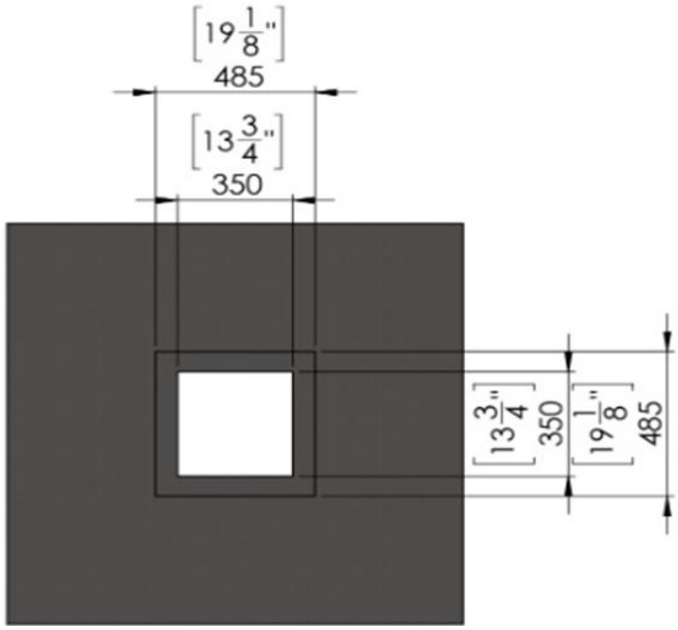
DRAWING – VERTICAL END OF LINE POWER VENT (ROOF)



ROUGH OPENING - VERTICAL END OF LINE POWER VENT (ROOF)

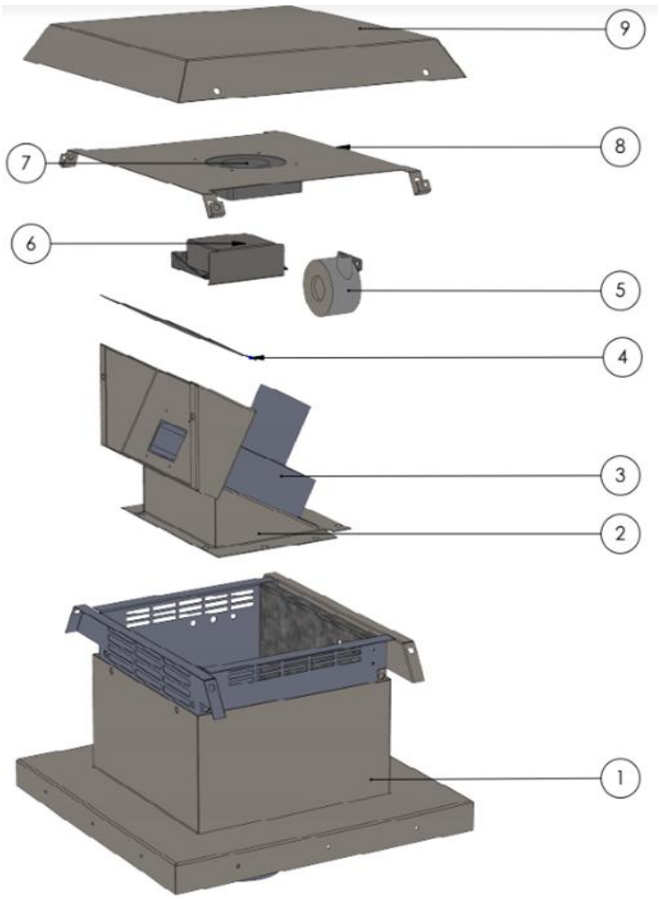
INNER: 13 ¾” W x 13 ¾” H

OUTER: 19 ⅛” W x 19 ⅛” H

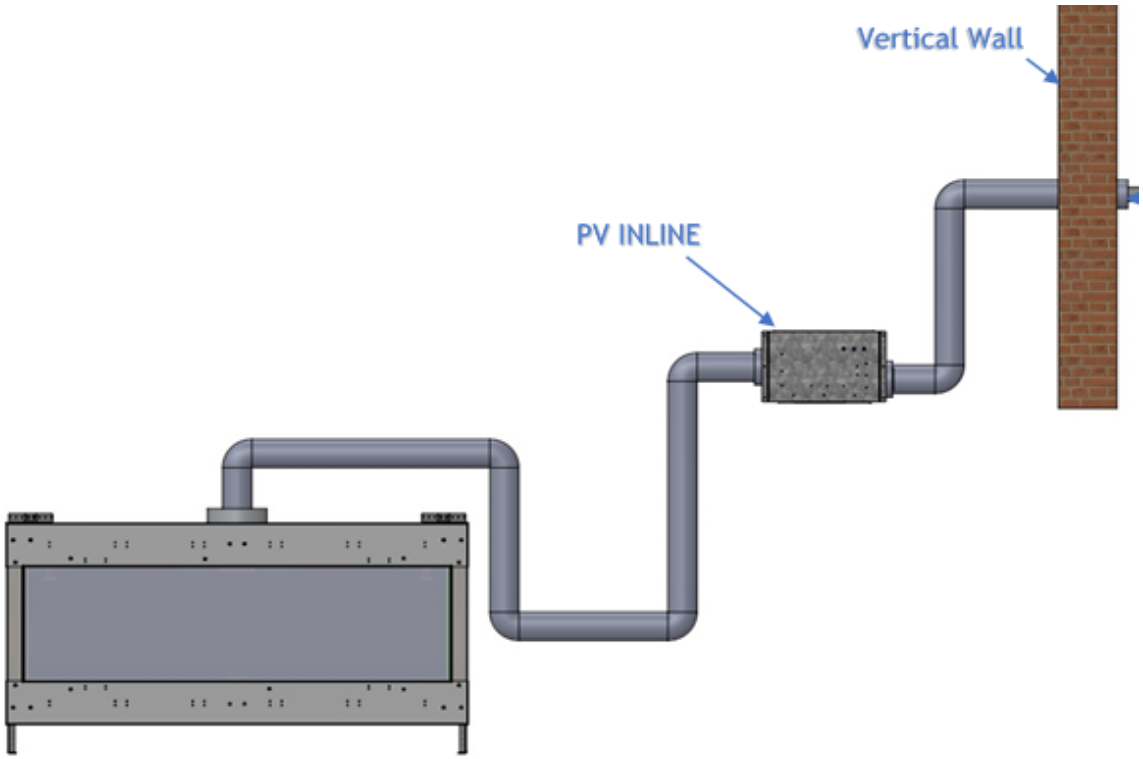


PARTS LIST - VERTICAL END OF LINE POWER VENT (ROOF)

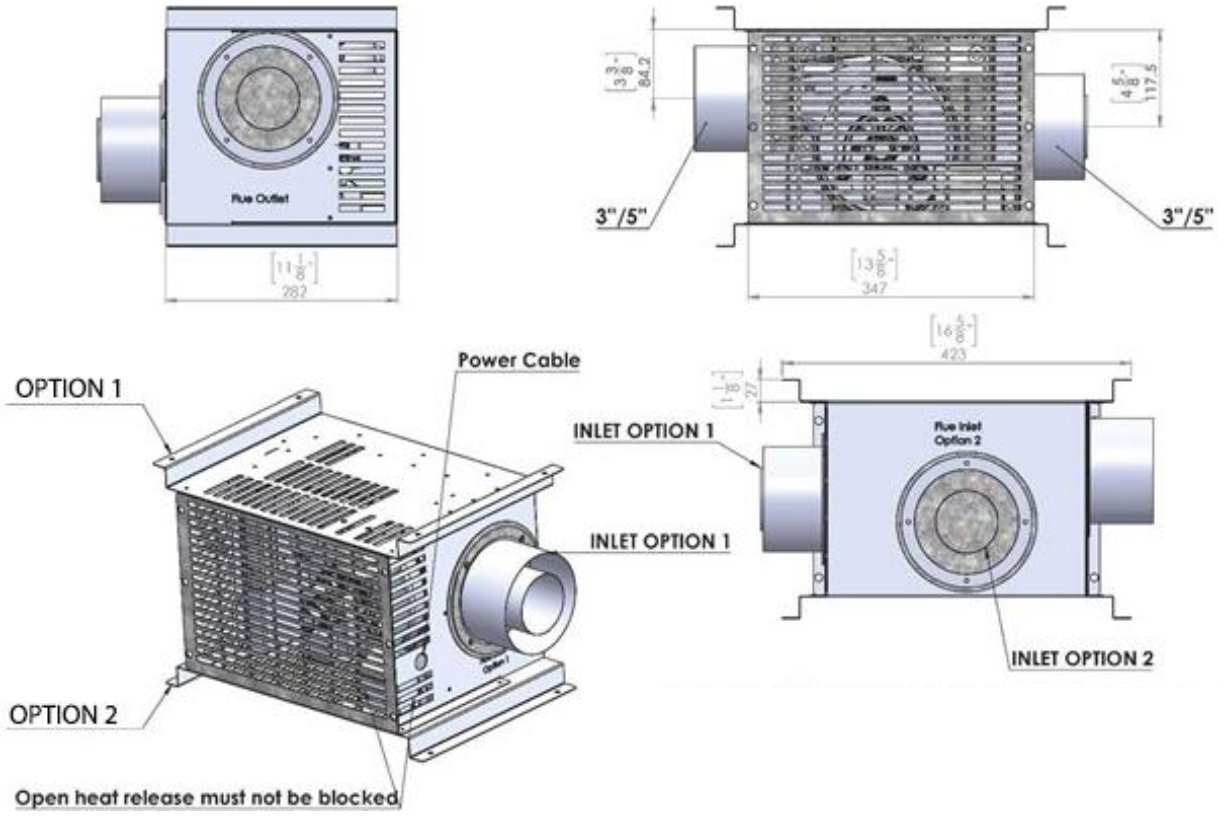
ITEM NUMBER	PART NUMBER	DESCRIPTION
1	Housing of Exhaust Blower - Vertical	The whole block for vertical power vent
2	Fan | 03 + 04	Main Fan Holder
3	Exhaust Blower	Main Exhaust Fan
4	Fan | 08	Inner upper cover for exhaust outlet
5	Draft Switch	HUBA Control for pressure measuring
6	Electric Board	Electrical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



INLINE POWER VENT

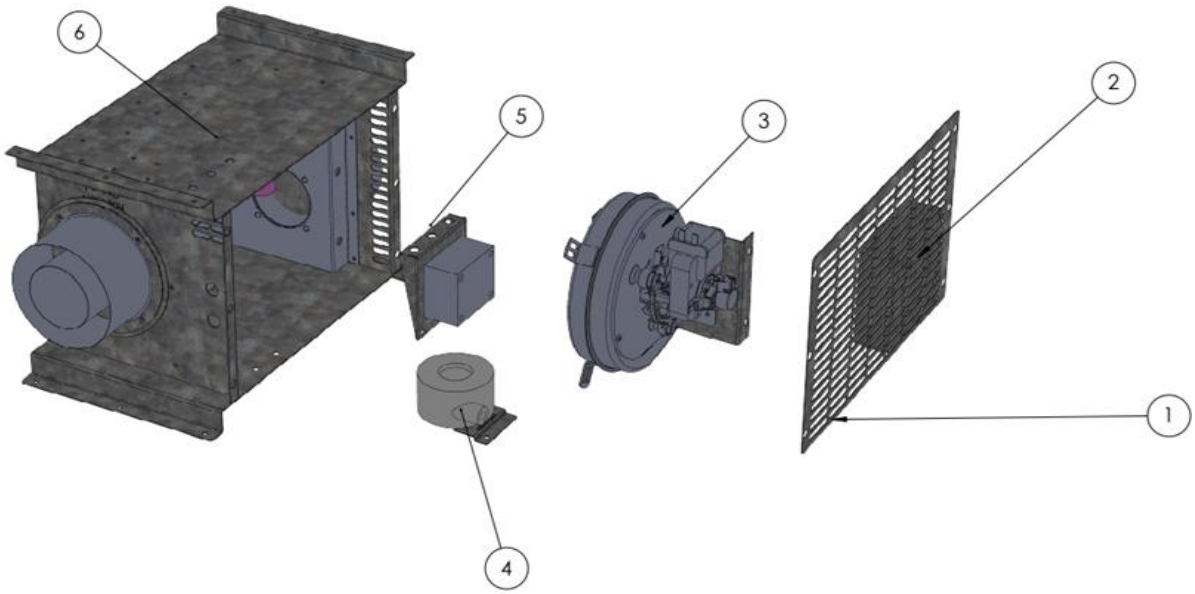


DRAWING – INLINE POWER VENT



PARTS LIST - INLINE POWER VENT

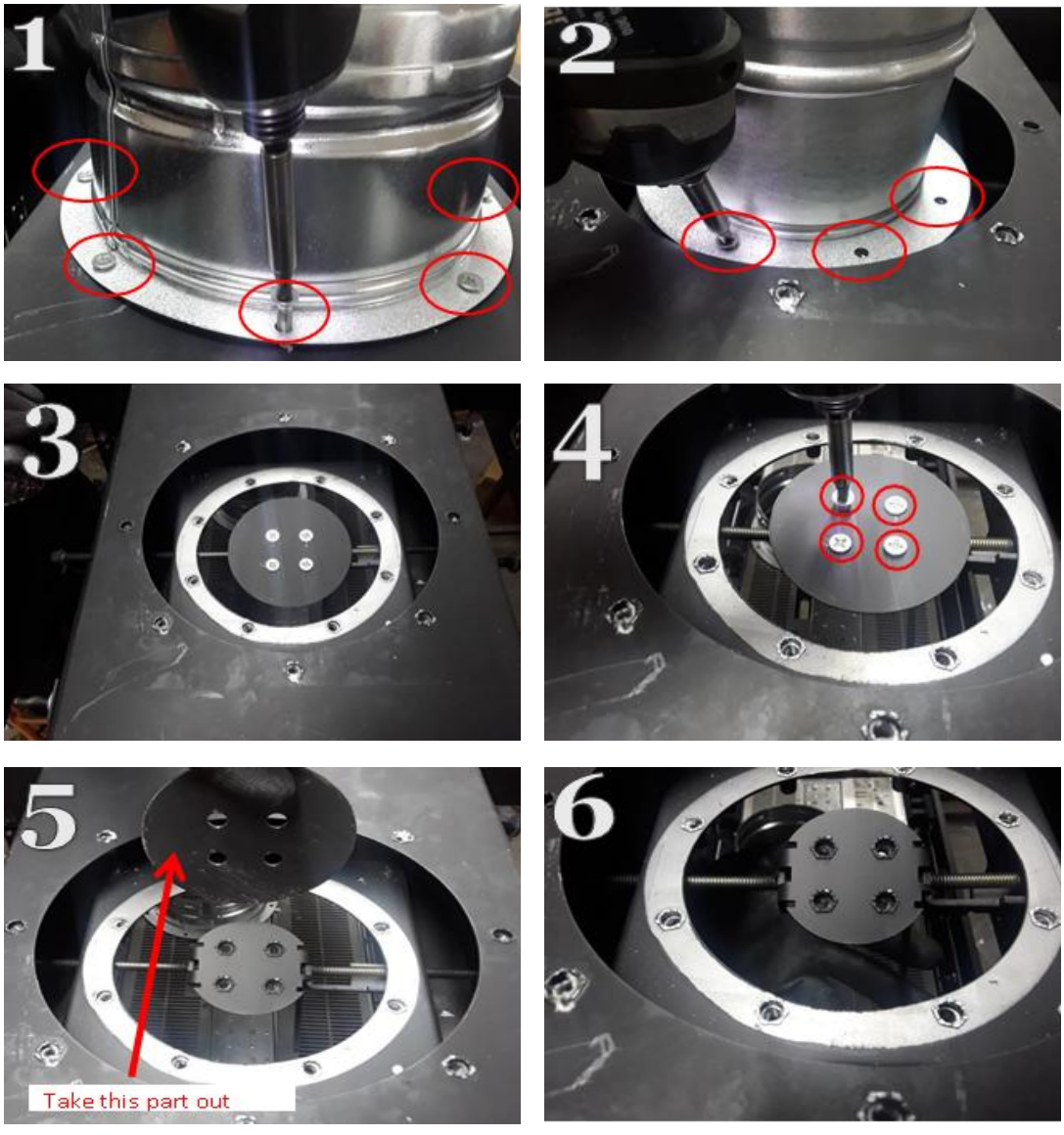
ITEM NUMBER	PART NUMBER	DESCRIPTION
1	FanExNet	External Cover
2	Fan	Cooling Fan
3	Exhaust Blower	Main Fan
4	Draft Switch	HUBA Control
5	FanExDish	Electronic Board Holder
6	House of Exhaust Blower In-Line	In-Line Whole Block



3X5 VENT ADAPTER CONVERSION

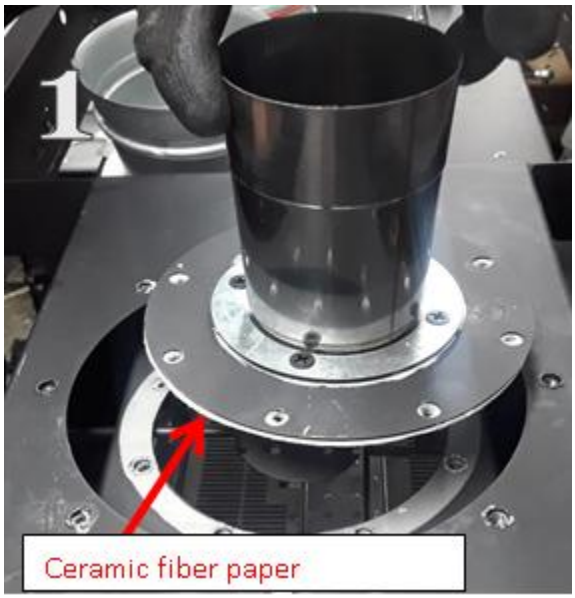
In the event a fireplace is shipped with a standard collar and needs to be converted to support a CVS 3x5 collar, follow the steps below:

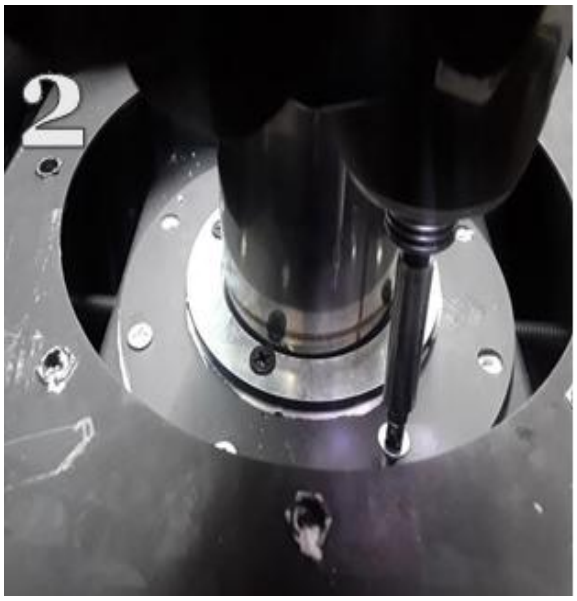
1. Remove the 4x6/5x8 Vent adapter from the top of the fireplace as shown in the pictures below.



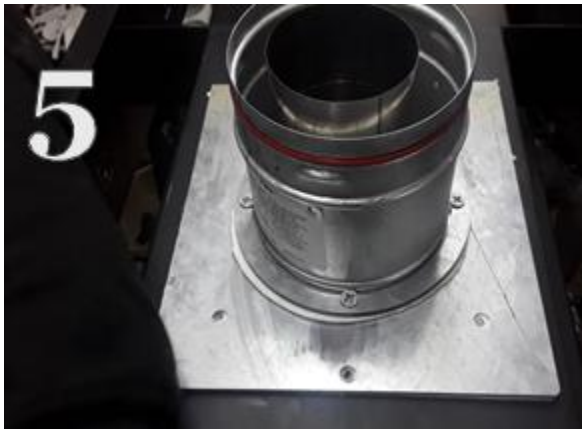
2. Installation 3x5 Adapted

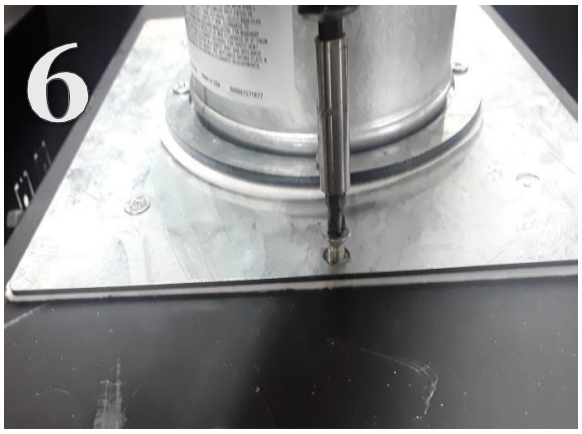
a. Attach the 3inch Female (inner) part first as shown in step1
b. Tighten the screws as shown in step 2.
c. Use 3mm ceramic fiber paper to isolate the vent adapter as shown in steps 1 and 4.
d. Step 4 shows the 5-inch male part base after using the ceramic fiber paper





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





CLEARANCES TO POWER VENT

INLINE POWER VENT

- Maintain 3” clearance to top and 1” to the sides of the vent pipe connected to the power vent.
- 24” clearance in front of access panel for service and removal.
- 1” clearance to the power vent sides and bottom using built-in flange. *See Diagram*
- Minimum 18” x 18” access panel required for service.
- Must be in an area with a minimum of 8 cubic feet of free air space to keep the component operating temperature cool.

END-OF-LINE VERTICAL

- Maintain 1” clearance to all sides of the vertical vent pipe connected to the power vent.
- ½” clearance to all sides to base structure *See Diagram*
- Keep a 12” clearance on all sides of the termination cap to prevent air-flow blockage.
- Keep a minimum 5’ clearance to the top of the termination cap *See Diagram*
- Termination cap is where access for service exists.

END-OF-LINE HORIZONTAL

- Maintain 3” clearance to top and 1” to the sides of the vent pipe connected to the power vent.
- ½” clearance on all sides and top to base structure. Zero clearance to mounting stud below the power vent *See Diagram*
- Termination cap is where access for service exists.
- 18” minimum distance between multiple horizontal terminations *See Diagram*

POWER VENT MOUNTING

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

CLEARANCES TO VENT PIPE

HORIZONTAL PIPE CLEARANCES

- A minimum clearance of 3” to the top and 1” to the sides and bottom of the vent pipe on all horizontal runs to combustibles is required.

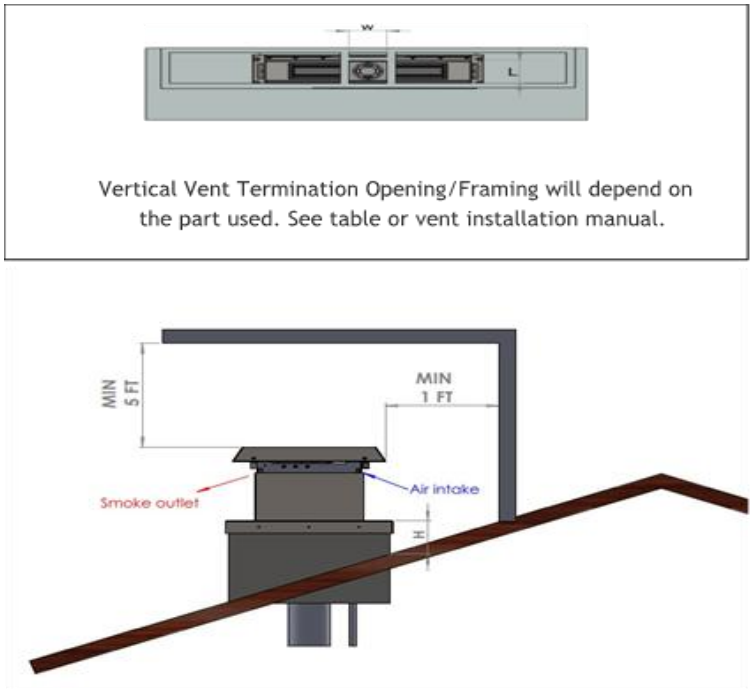
NOTICE

No rise/slope in the horizontal vent run is required on power vented fireplaces. Non-power vented units still require ¼” rise per foot.

VERTICAL PIPE CLEARANCES

- A minimum of 1” on all sides for vertical rise pipe to combustibles is required, except for clearances in appliance enclosure.

MINIMUM CLEARANCE TO COMBUSTIBLES FROM VERTICAL VENT



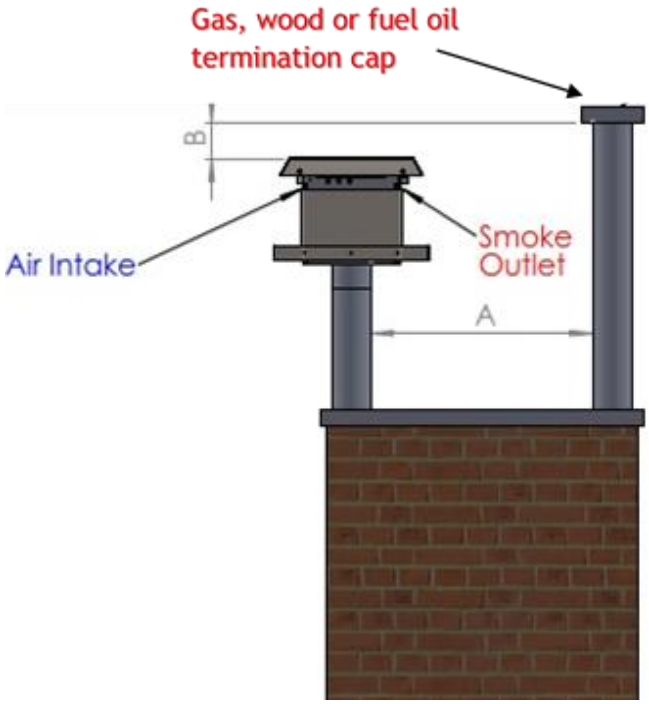
Termination Heights for Vents Above Flat or Sloped Roofs (Ref. NFPA 54 / ANSI Z223.1)		
Roof Pitch	**Feet-H**	**Meters-H**
Flat to 6/12	1	0.3
6/12 to 7/12	1.25	0.38
7/12 to 8/12	1.5	0.46
8/12 to 9/12	2	0.61
9/12 to 10/12	2.5	0.76
10/12 to 11/12	3.25	0.99
11/12 to 12/12	4	1.22
12/12 to 14/12	5	1.52
14/12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

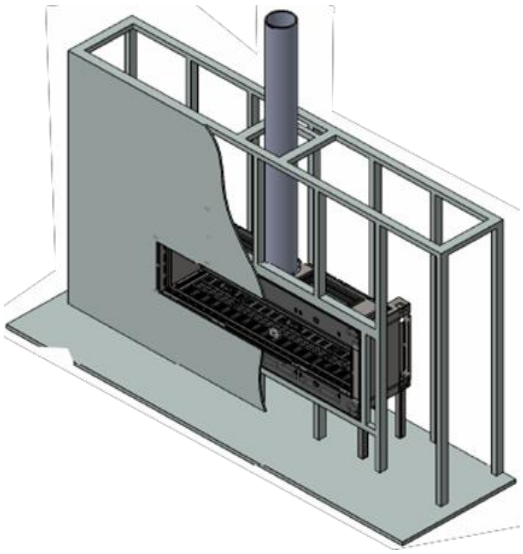
WARNING

The 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

MULTIPLE VERTICAL TERMNATION POINTS

A	B
6” Minimum up to 20” 152mm / 508mm	18” Minimum 457mm
20” and over	0” Minimum

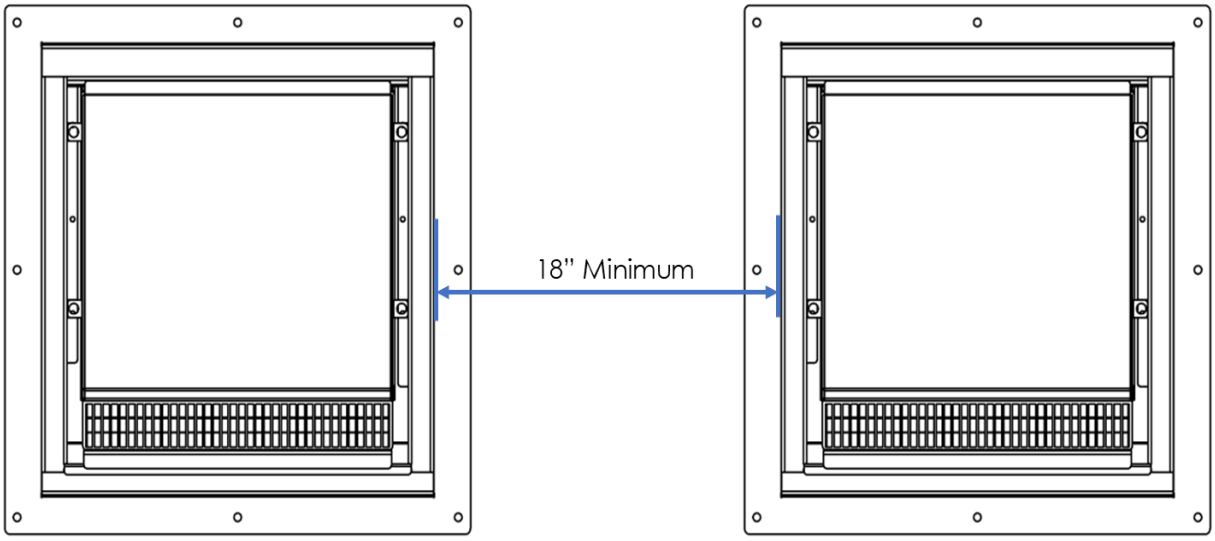




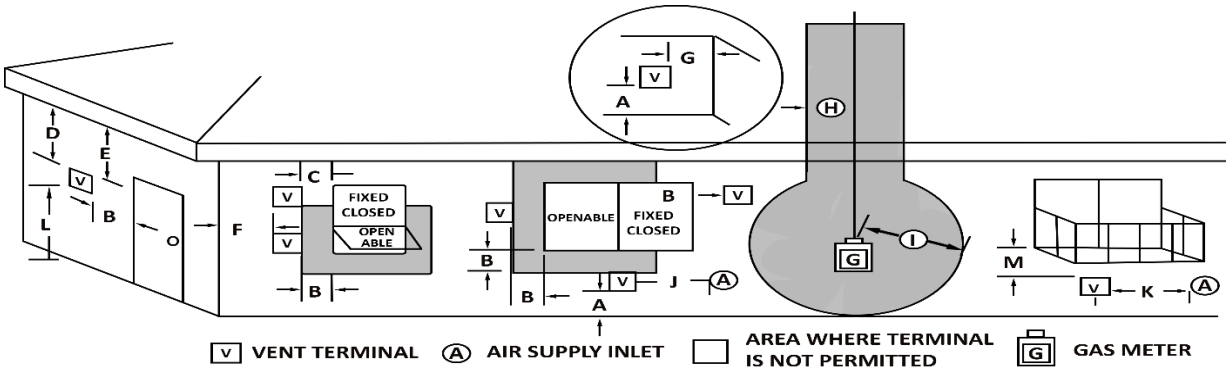
WARNING

If using decorative cap cover/s, this distance may need to be increased. Refer to the installation instruction supplied for 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.

MULTIPLE HORIZONTAL TERMINATION POINTS



VENT TERMINATION CLEARANCES



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 may 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

The 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.

- 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 at the end of the installation.

VENT RESTRICTOR TROUBLESHOOTING

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

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

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

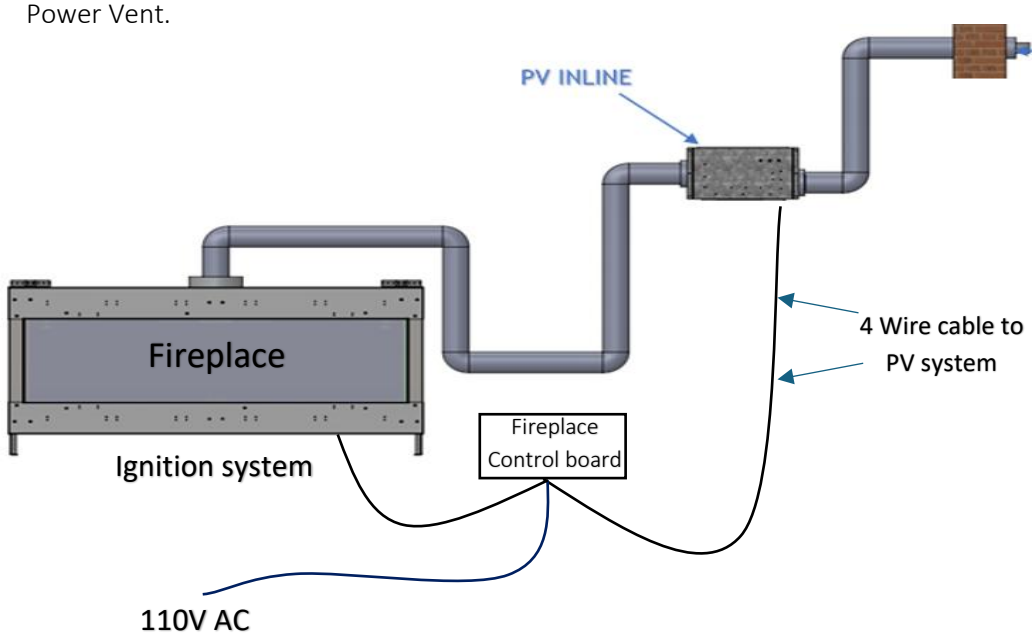
- Flame height is low.
- Flame has excessive movement

Document any adjustments to the vent restrictor.

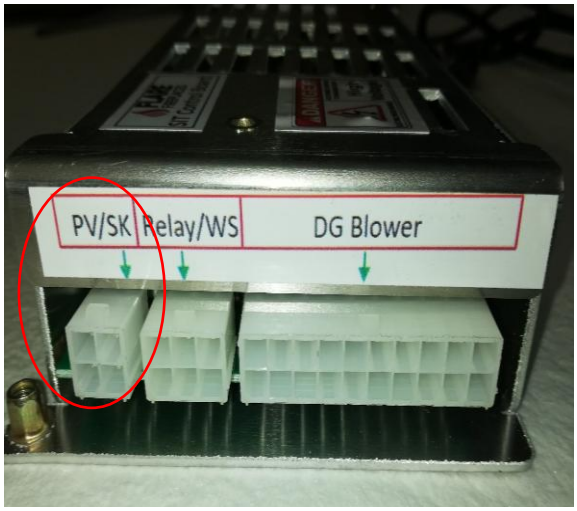
POWER VENT ELECTRICAL CONNECTION

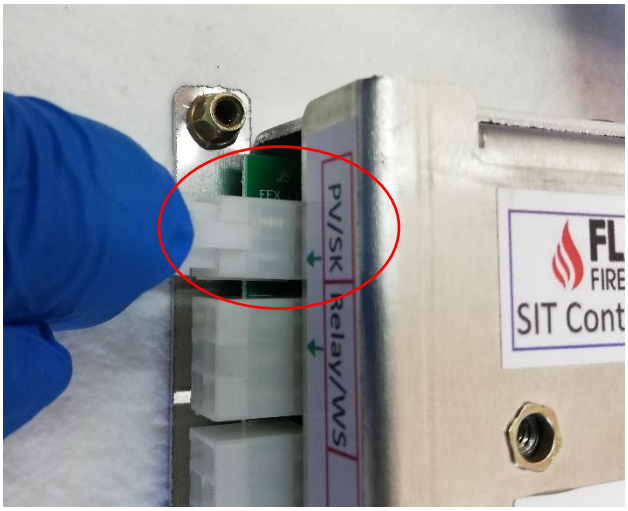
- All High Voltage Flare Fireplaces PV systems are connected to the Fireplace with **14|3 AWG 4 wire cable** Stranded CU MC (Metal Clad) armored Cable. 3 are used to power the PV and one is used to return signaling when vacuum switch engages. The fireplace board will provide power to the power vent.
- The PV system is connected to the Fireplace control system with a **high voltage** with **14|3 AWG 4 wire cable** Stranded CU MC (Metal Clad) armored Cable.
- The Power Vent system will receive its 110V Power from the wire run from the fireplace board.
- 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.
- Cable to be used is a minimum of **14|3 AWG 4 wire cable** Stranded CU MC (Metal Clad) Armored Cable. Cable can be ordered from Flare or sourced from any hardware store.

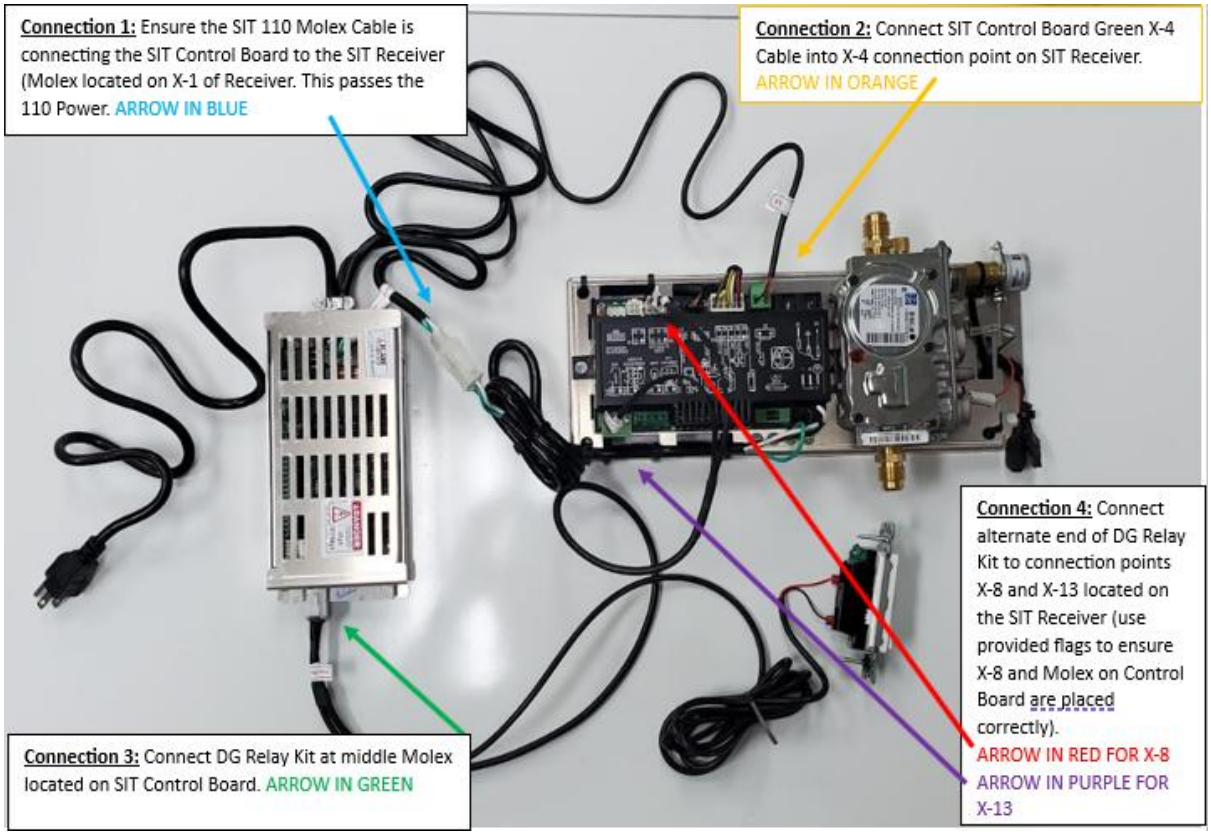
- Connect high voltage cable and match the colors on the terminal between the PV harness. (White to White, Black to Black, Green to Green & red to red.)
- Install high voltage cable with compliance to local electrical code
- Consult your electrician on the electrical safety requirement for the cable from the fireplace to the Power Vent.



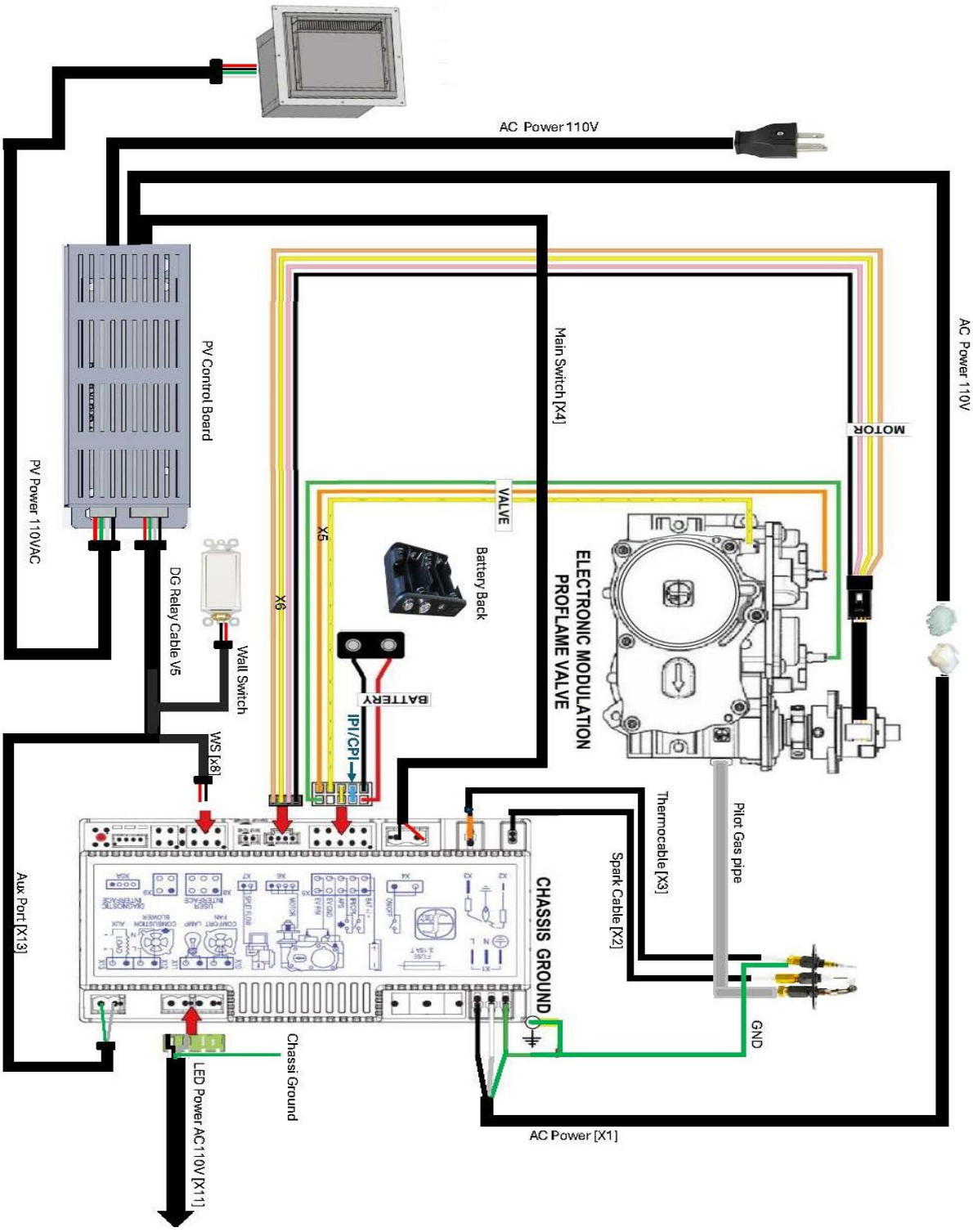
SIT PROFLAME II CONNECTIONS



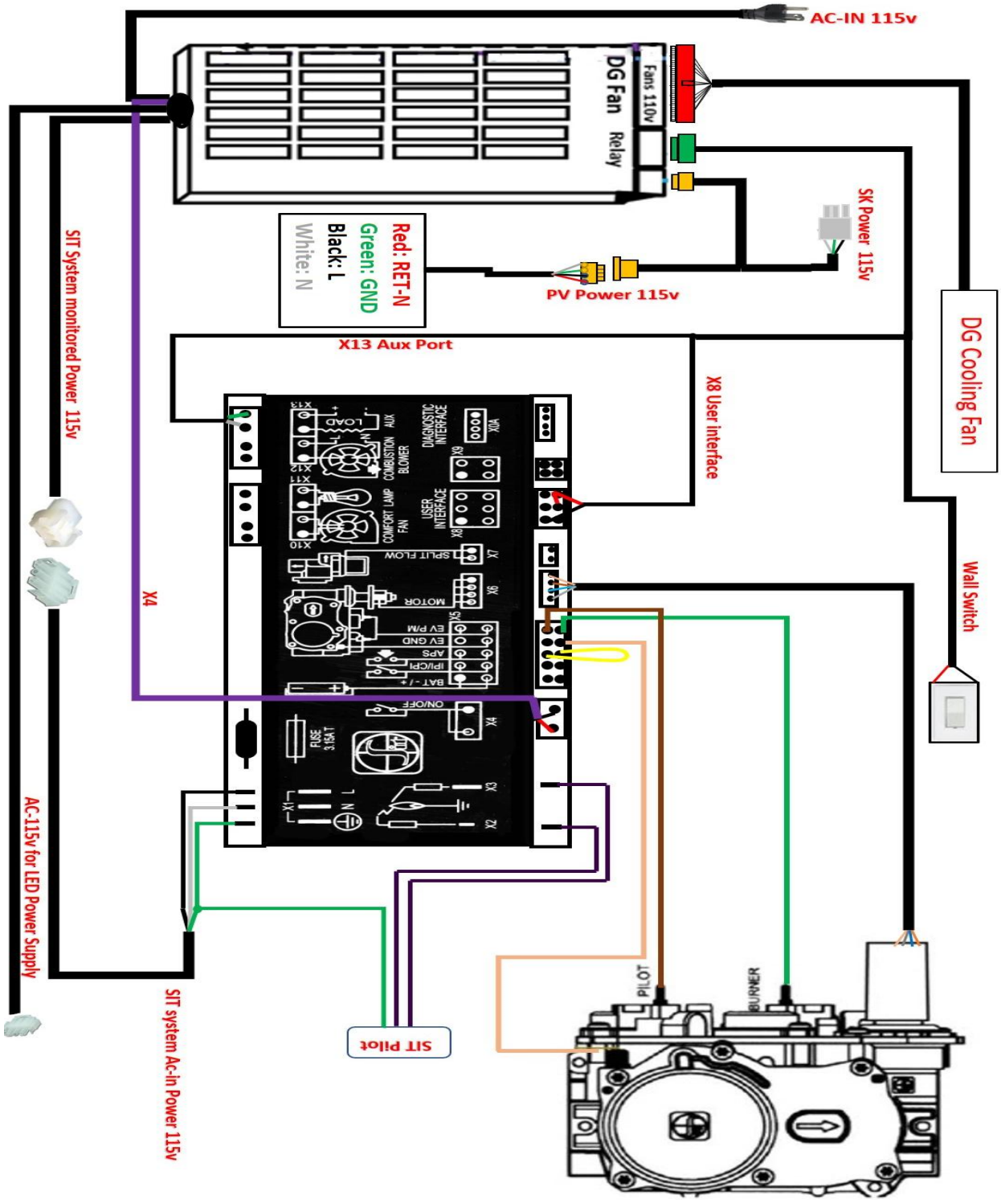




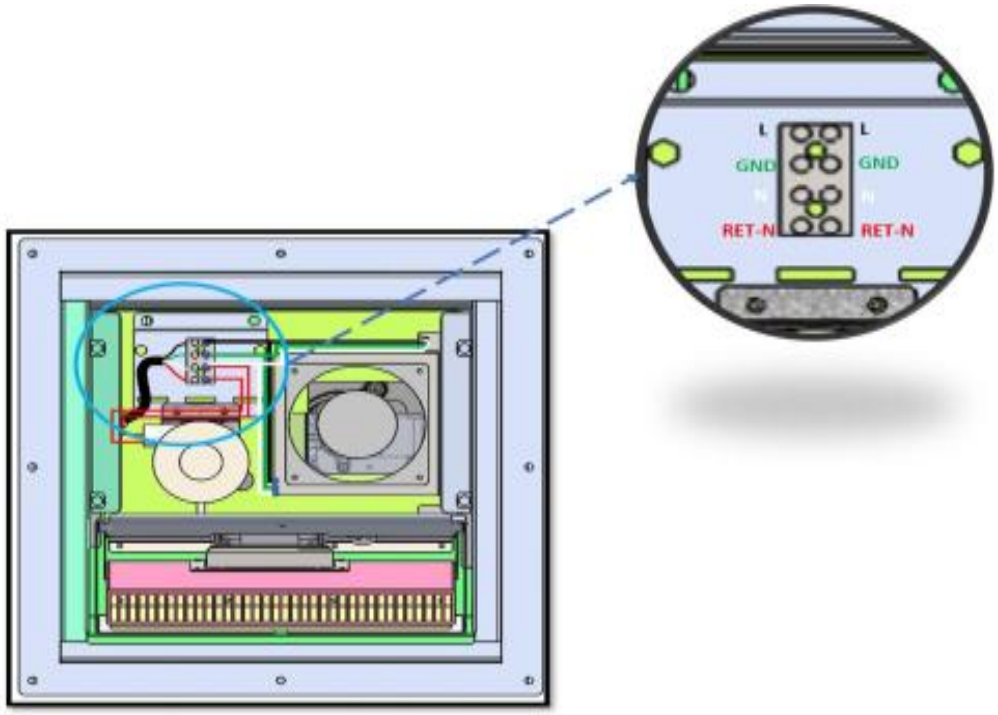
SIT WITH POWER VENT ELECTRICAL DRAWING – SCREEN



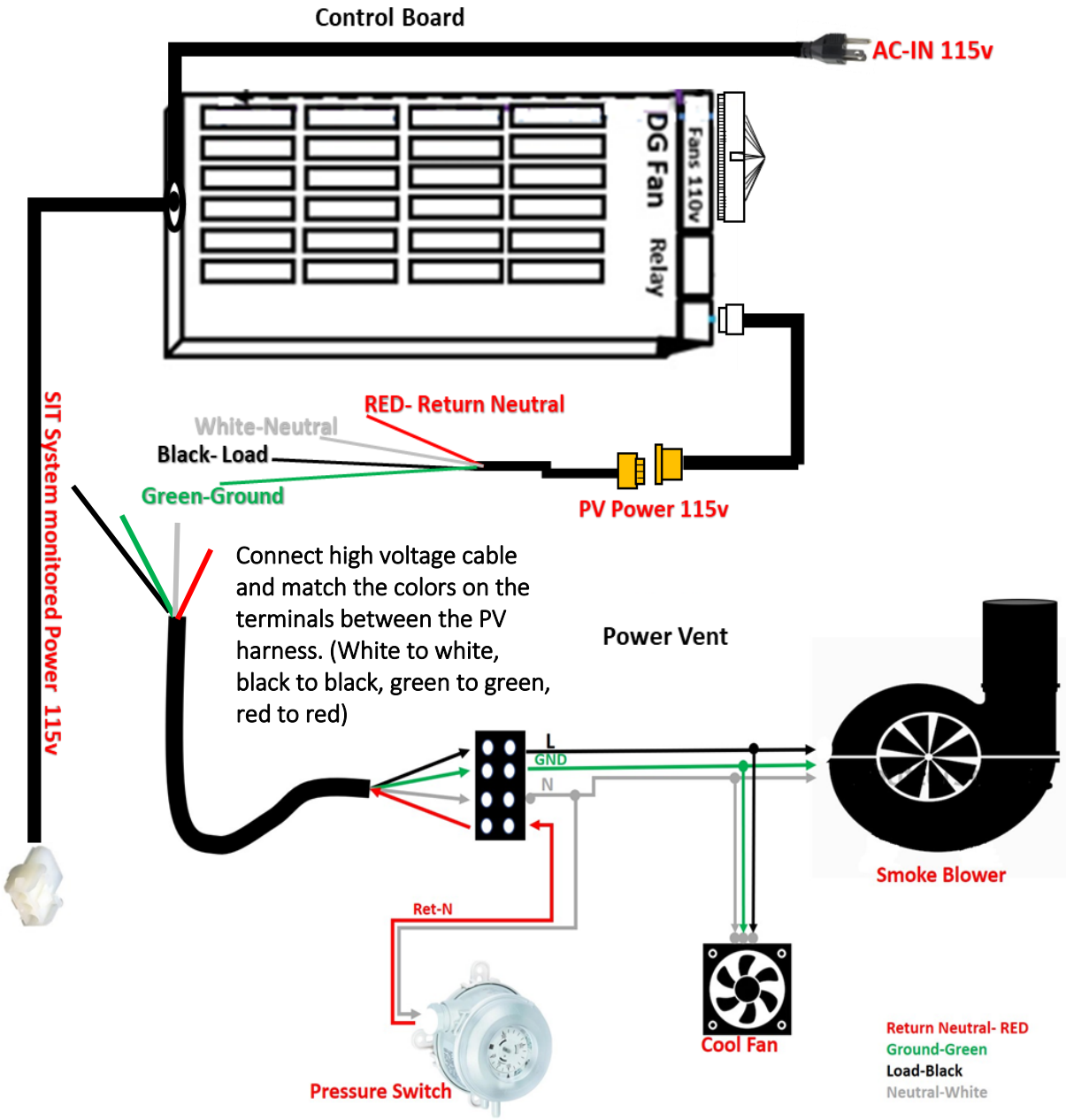
SIT WITH POWER VENT ELECTRICAL DRAWING – DOUBLE GLASS



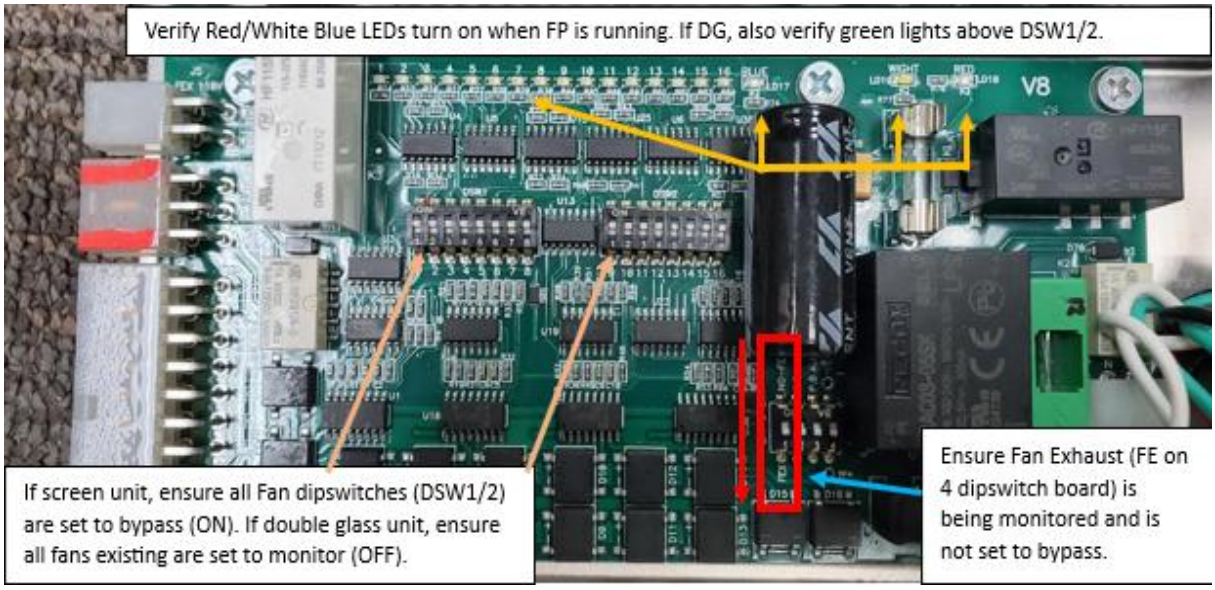
SIT WITH POWER VENT INTERNAL POWER BRIDGE



SIT WITH POWER VENT INTERNAL POWER DRAWING



POWER VENT DIP SWITCHES



Switch 1: is used to determine whether the system has PV or not, Turn the switch ON ↑(UP) to bypass monitoring of PV system, & OFF ↓(DOWN) to begin to monitor PV system.

Switch 2: is used to Bypass the relay to the Board so that the board will begin work directly when get 110v no matter whether the system has relay or not, Turn the switch ON ↑(UP) to bypass the relay, & OFF ↓(DOWN) to wait for relay command from the user.

Switch 3: representing the master Bypass for all, turning this ON↑ bypasses all check to the fan system & Power Vent, OFF↓ will monitor the whole system.

Switch 4: is not used

STARTING THE UNIT WITH POWER VENT

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

- With Fireplace started and running, disconnect Power Vent wire from Fireplace Control Board.

- The 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 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 power vent wire is removed or the fireplace does not function as normal when power vent wire is returned; check to ensure dipswitch settings to monitor the power vent are correct, 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.

VENT RUN PLANNING

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 the 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

NOTICE

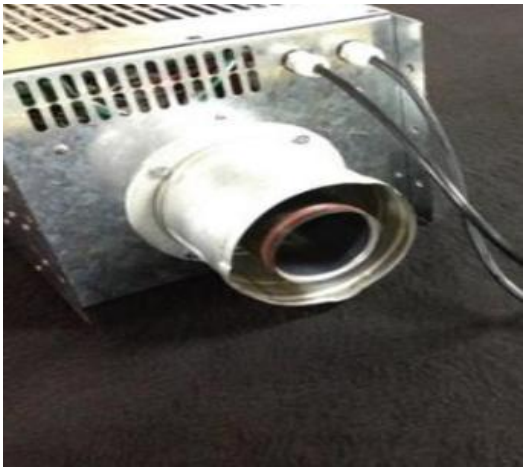
No rise/slope in the horizontal vent run is required on power vented Flare Fireplaces (non-power vented units still require ¼" rise per foot).

CONNECTING 3X5 PIPE TO POWER VENT

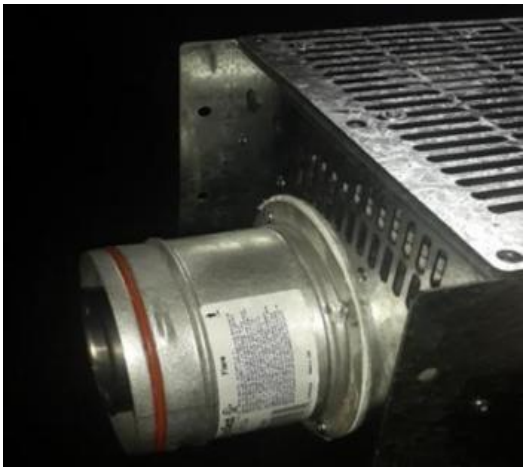
The Flare Power Vent system uses DuraVent 3x5 CVS vent system. The DuraVent CVS vents include a lock system and a silicone gasket on every side of the vent. Make sure you follow the DuraVent CVS installation manual:

DuraVent 3x5 Catalog

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:



INLET



OUTLET

REPLACEMENT PARTS

See below for flare replacement part list.

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

Part	Description	SKU
PV-FLARE-IL	Inline Power Vent	100IPV
PV-VT-EOL	End-of-line, Vertical Power Vent	100VPV
PV-HT-EOL	End-of-line, Horizontal Power Vent	100HPV
PV-HV-CABLE	Price Per Foot – Metal Wrapped 14|4 Power Vent Cable	PVHVCBL
PV-FAN	Replacement Power Vent Fan	PVFAN
PV-CABLE	PV 4-Wire Pigtail (To Connect to Control Board)	PVCBL
PVSK-CABLE	PV/SK 5-Wire Pigtail (To Connect to Control 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 should be placed in the back before operating this appliance.
- DO NOT USE this appliance if any part has been underwater. 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. A trained technician must do all the other work. 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 instructions 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 cleaning 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 the 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.

MAINTENANCE LOG

A service technician should use the following document. A copy should be kept with the technician and owner for future reference.

SERVICE DATE: _____

UNIT INFORMATION

Model Type & Size: _____ Serial Number: _____

Name: _____ Address: _____

Technician Name: _____ Company Name: _____

NPI: _____ YEARLY [ ] OTHER [ ]

SERVICE DETAILS:

_____
_____
_____
_____
_____
_____
_____
_____
_____
_____

WARRANTY POLICY

Flare Fireplaces subject every fireplace and component to rigorous testing to verify it is free from any defects before it leaves our warehouse. Flare Fireplaces photographs and documents the fireplace and all components' moments before shipping them to our nationwide network of authorized dealers for installation, verifying full operation of the fireplace and all components. Our factory is supervised by CSA and subject to the highest operating standards.

18 MONTH COMPREHENSIVE WARRANTY

Effective beginning 18 months from the **original date of purchase from an authorized Flare Fireplaces Dealer**, our Comprehensive Warranty includes replacing or repairing any defective electronic components. These parts include the following components:

- Gas Valve
- Receiver
- Remote
- LED Lighting Strips, Remote, & Controller
- Authorized Media
- Wall Switch

This warranty does not apply to any component that shows evidence of misuse, abuse, improper installation, exposure to water or moisture, excessive heat, dust, or paint.

LIMITED FIVE-YEAR COVERAGE

Effective for five years from the **original date of purchase**, Flare Fireplaces Limited Five-Year Coverage includes replacing ceramic glass. This coverage is covered under the following circumstances:

- Thermal Breakage Only

This coverage is void if the glass is damaged due to improper cleaning. This includes using ammonia or detergent based cleaning solvents or solutions instead of lukewarm water and a lint free cloth. Other products may leave streaking or a honeycomb shaped stain on your fireplace glass.

LIMITED 10-YEAR COVERAGE

Limited Lifetime Coverage is extended to the following components:

- Firebox
- Burners

CONDITIONS

- Warranty coverage begins on the date of original purchase.
- Minor warping of certain components or discoloration is normal and is not considered a defect that is covered under this warranty. Major disruption and buckling of parts can be caused by over-firing of your fireplace. Over-firing above the 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.
- Installation must be done in accordance with the Flare Fireplaces installation 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 with the attached product manual.
- It is the responsibility of the installer to ensure the appliance is firing 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 appliances that are purchased through a Flare Fireplaces authorized dealer or distributor.
- The warranty is only valid while the appliance remains at the site of the original installation.
- Flare Fireplaces does not install or provide installation services. The installation of the fireplaces must be done by an authorized installer. The fireplace limited warranty does not cover the installation service, or any part related to the installation of the fireplace or surrounding of the fireplace and venting.
- Contact your dealer for a warranty service. If the dealer is unable to provide necessary parts, contact the nearest Flare Fireplaces authorized dealer or supplier.

EXCLUSIONS

- This warranty does not apply to any component that shows evidence of misuse, abuse, improper installation, accident, or lack of maintenance.
- Flare Fireplaces are not responsible for televisions, mantels, surrounds or finishing material around the fireplace.
- Flare Fireplaces is not responsible for installation, operational or environmental conditions beyond our control.
- Flare Fireplaces shall in no event be liable for any special, indirect, or consequential damage of any nature, which is more than the original purchase price of the product.
- Flare Fireplaces may at its discretion discharge all obligations by refunding the wholesale price of the defective part.
- This warranty may not be extended or modified by our dealers or representatives.
- The Limited Warranty only covers parts and labor as provided above. Flare Fireplaces will not be responsible for materials, components, or construction, which are not manufactured or supplied by Flare Fireplaces or for the labor necessary to install, repair or remove such materials, components, or construction.

WARRANTY VOIDED WHEN

- An unauthorized media type is used 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 pipes, rust colored iron or bubbling, cracking and discoloration of steel or enamel finishes.
- The appliance is subjected to prolonged periods of moisture 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 some reason.