

U31-10 Gas Insert

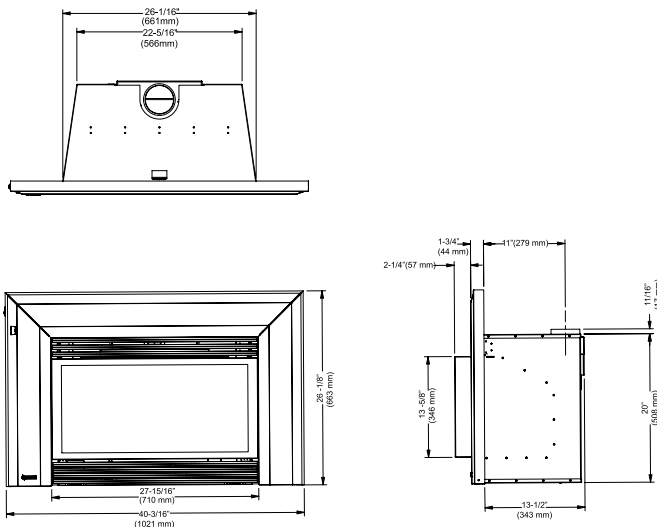
Model	U31-NG10	U31-LP10
Fuel Type	Natural Gas	Propane
Minimum Supply Pressure	5" W.C. (1.25 kPa)	12" W.C. (2.99 kPa)
Manifold Pressure - High	3.5" W.C. (0.87 kPa)	10" W.C. (2.49 kPa)
Manifold Pressure - Low	1.6" W.C. (0.40 kPa)	6.4" W.C. (1.59 kPa)
Orifice Size -Altitude 0-2000 ft.	#37 DMS	#52 DMS
Orifice Size - Altitude 2000-4500 ft.	#40 DMS	#53 DMS
Minimum Input Altitude 0-2000 ft. (0-610m)	20,600 BTU/h (6.04kW)	22,000 BTU/h (6.45 kW)
Minimum Input Altitude 2000-4500 ft. (610-1372m)	19,200 BTU/h (5.62 kW)	20,000 BTU/h (5.86 kW)
Maximum Input Altitude 0-2000 ft. (0-610m)	30,000 BTU/h (8.79 kW)	28,000 BTU/h (8.21 kW)
Maximum Input Altitude 2000-4500 ft. (610-1372m)	27,200 BTU/h (7.97 kW)	25,000 BTU/h (7.33 kW)
Vent Sizing	4" B-Vent	4" B-Vent

Approved Venting Systems

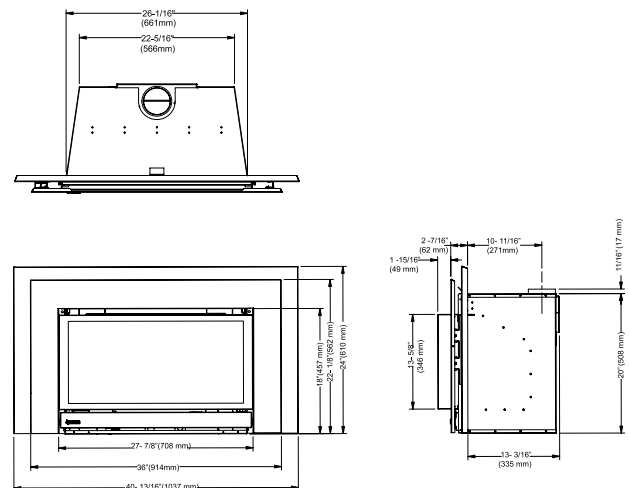
Flex Vent Systems: FPI AstroCap™ Flex Vent

Approved for sale in the U.S.A only. This appliance does not have a 7 day timer which is required for any appliance sold in Canada.

UNIT DIMENSIONS WITH STANDARD FACEPLATE

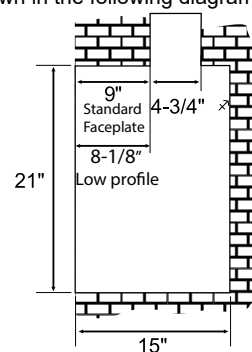
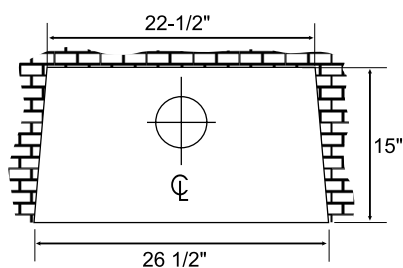


UNIT DIMENSIONS WITH LOW PROFILE FACEPLATE



MINIMUM FIREPLACE DIMENSIONS

The minimum fireplace dimensions for the FPI gas fireplace insert are shown in the following diagrams:



Clearances

Unless otherwise stated the clearances listed below are Minimum distances to combustible materials. **Please Note: A major cause of chimney related fires is due to a failure to maintain required clearances (air space) to combustible materials. It is of the greatest importance that this fireplace and vent system be installed only in accordance with these instructions.**

From Unit

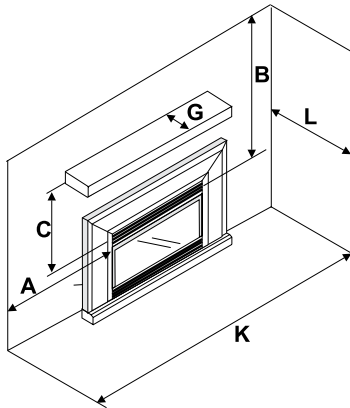
Sides A 10" / 255 mm
Ceiling B 47.5" / 1205 mm
Mantle C See mantle clearances

Max. Mantel Depth G 12" / 305 mm

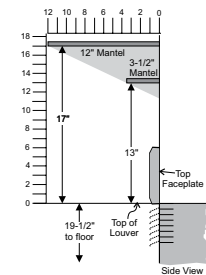
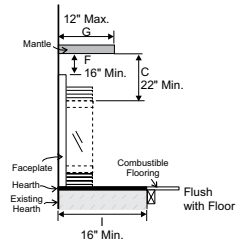
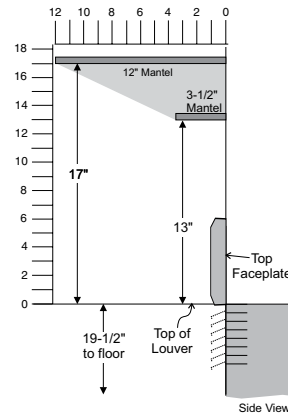
Min. Alcove Width K 48" / 1220 mm

Max. Alcove Depth L 36" / 915 mm

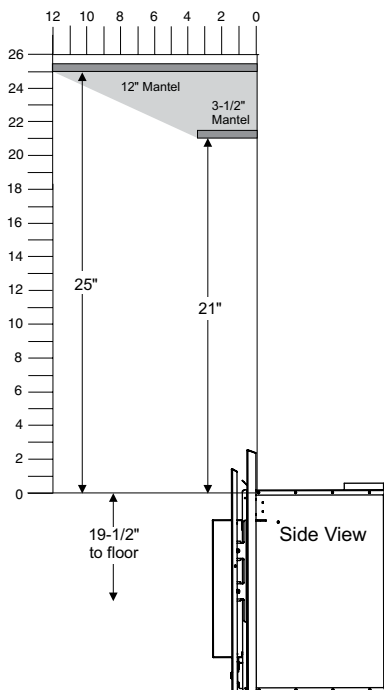
*** No Hearth Required**



Clearances for Standard Faceplate / Low Profile Faceplate without Safety Screen



Clearances for Low Profile Faceplate with Safety Screen



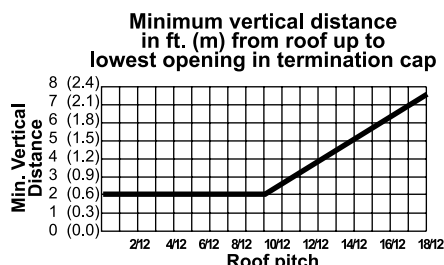
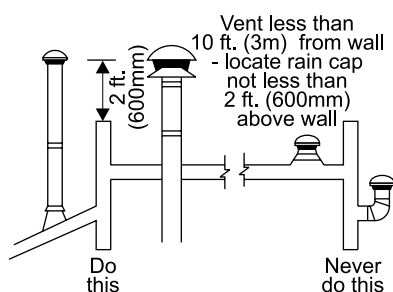
VENTING

THE APPLIANCE MUST NOT BE CONNECTED TO A CHIMNEY FLUE SERVING A SEPARATE SOLID FUEL BURNING APPLIANCE.

This appliance is designed to attach to a 4" diameter type B-Vent or listed gas fuel type vent liner running the full length of the chimney. A minimum flue height of 12 feet is recommended. B-Vent must be supported by a vent support - supplied by vent manufacturer. See chart on this page for minimum distances from roof.

The FPI Insert incorporates its own internal draft hood, so no additional external draft hood is required.

Periodically check that the vent is unrestricted and an adequate draft is present when the unit is in operation. (See page 8 for spillage test.) Before installing vent system ensure that the damper plate is open and secure to prevent the damper plate from falling down and crushing the liner.



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

Combustion and Ventilation Air

WARNING: This appliance needs fresh air for safe operation and must be installed with provisions for adequate combustion and ventilation air available to the room in which it is to be operating.

Follow CAN/CGA B149 (in Canada) or ANSI Z223.1 (in the USA) requirements, and any local codes or regulations of the enforcing authority.

Air for combustion is drawn in through the front of the unit, therefore, the front of the unit must be kept clear of any obstructions.

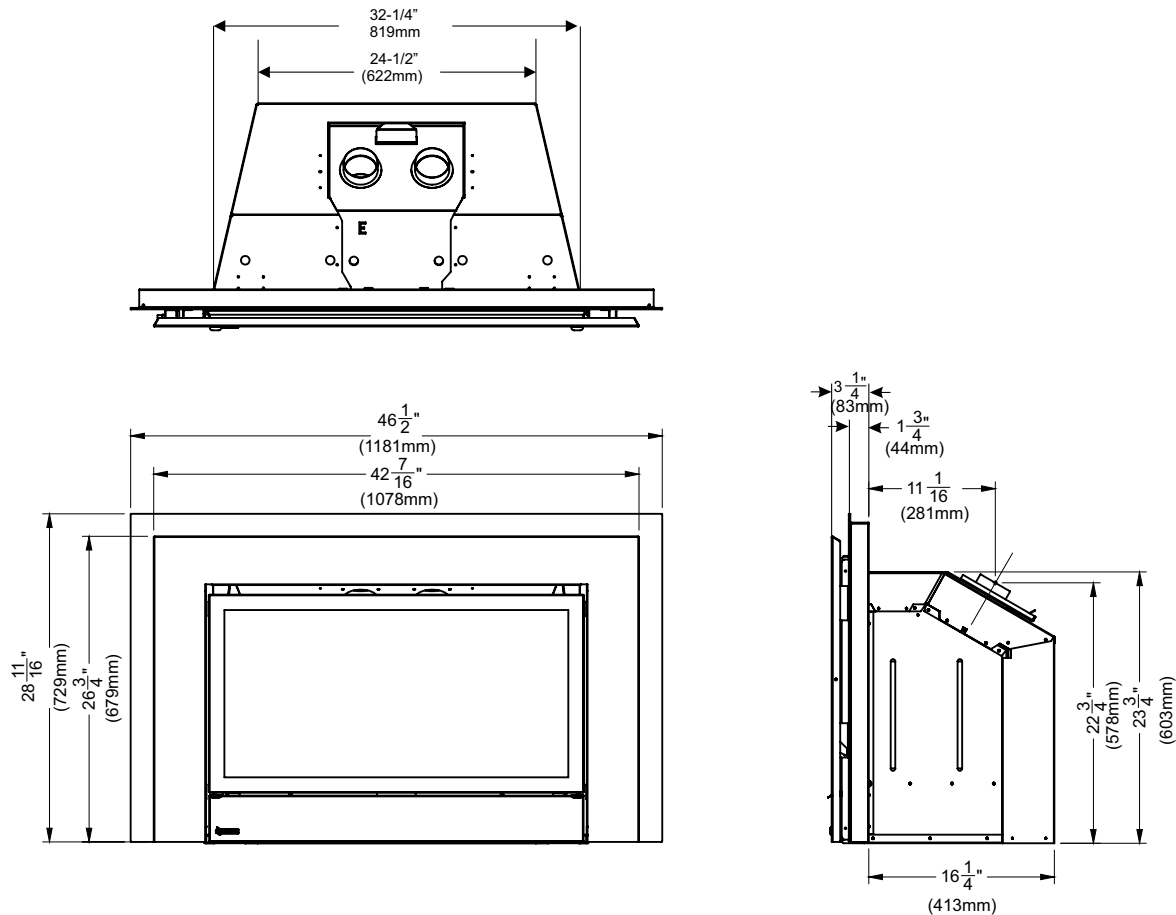
E33 Gas Insert

Model	E33-NG10	E33-LP10
Fuel Type	Natural Gas	Propane
Minimum Supply Pressure	5" W.C. (1.25 kPa)	12" W.C. (2.99 kPa)
Manifold Pressure - High	3.8" W.C. (0.95 kPa)	11" W.C. (2.74 kPa)
Manifold Pressure - Low	1.1" W.C. (0.27 kPa)	2.9" W.C. (0.72 kPa)
Orifice Size -Altitude 0-4500 ft.	#31 DMS	#50 DMS
Minimum Input Altitude 0-4500 ft. (0-1372m)	20,000 BTU/h (5.86 kW)	19,000 BTU/h (5.57 kW)
Maximum Input Altitude 0-4500 ft. (0-1372m)	38,000 BTU/h (11.14 kW)	35,500 BTU/h (10.40 kW)
Vent Sizing	3" Co-linear	3" Co-linear

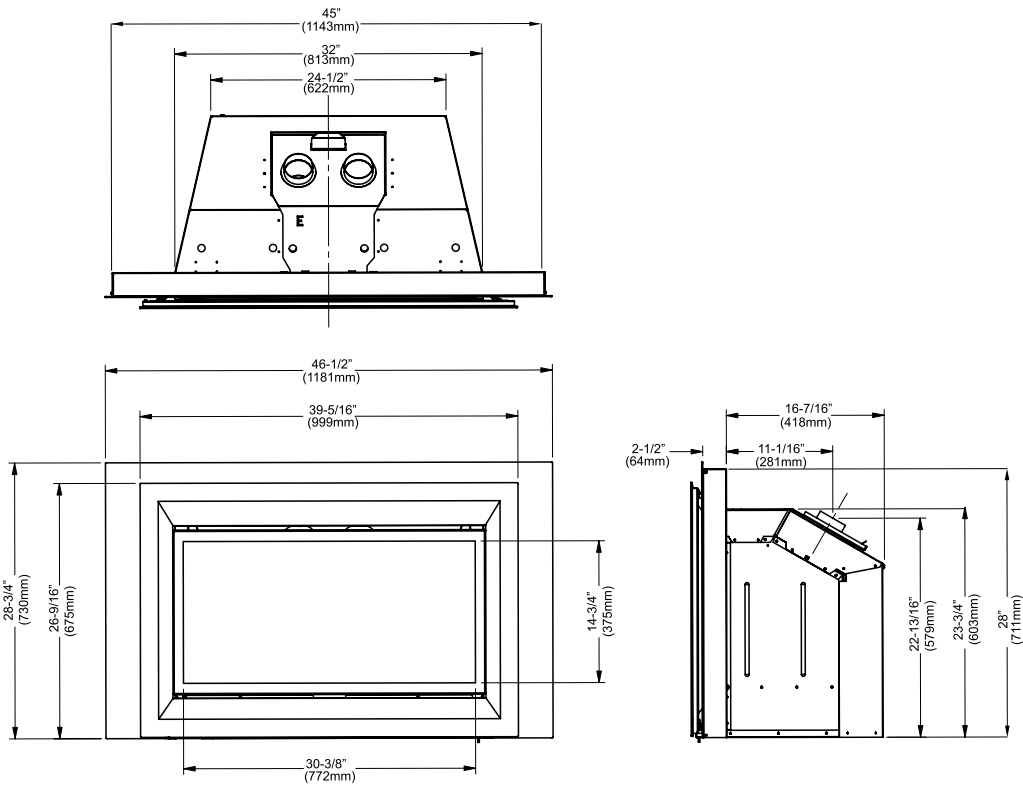
Approved Venting Systems	
Flex Vent Systems:	FPI AstroCap™ Flex Vent
Alternate Approved Caps	
46DVA-VC Vertical Termination Cap	
46DVA-VCH High Wind Vertical Termination Cap	
46DVA-GK 3" Co-Linear adaptor with flashing	

In areas of consistently high winds, we recommend using the Simpson Dura-Vent System 46DVA-GK adaptor and 46DVA-VCH high-wind cap. The Air Intake pipe must be attached to the inlet air collar of the termination cap.

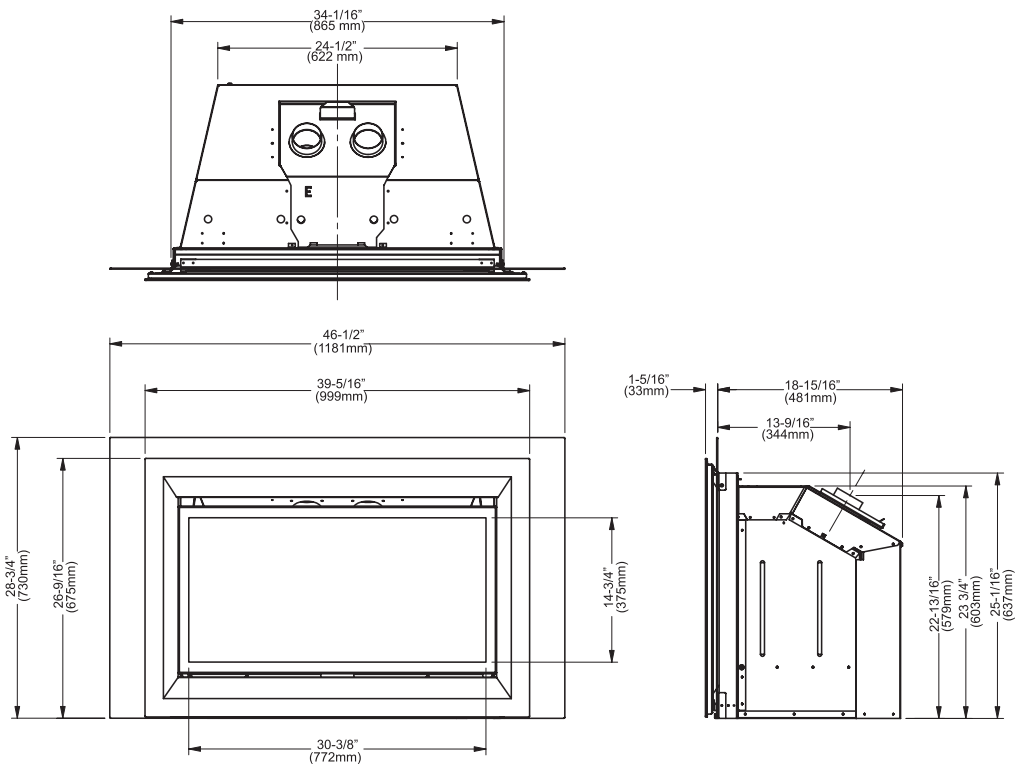
UNIT DIMENSIONS (WITH LOW PROFILE FACEPLATE)



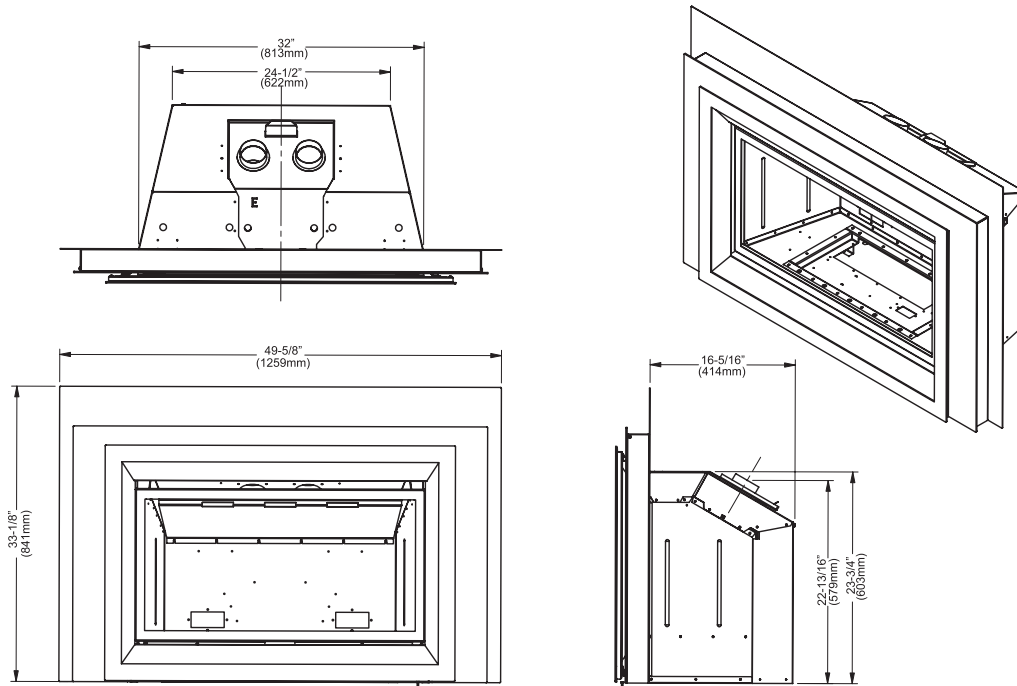
UNIT DIMENSIONS OPTIONAL VIGNETTE FACEPLATE WITH SPACER



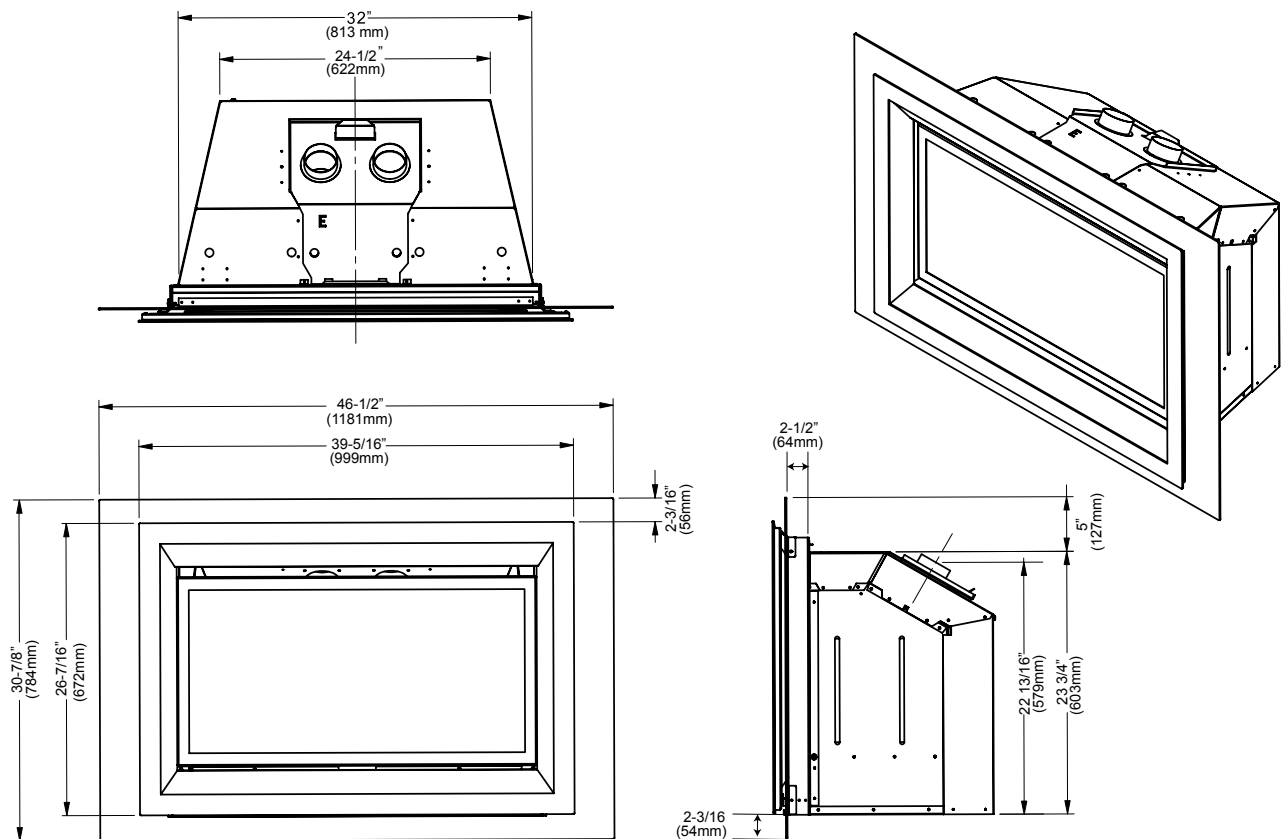
UNIT DIMENSIONS OPTIONAL VIGNETTE FACEPLATE WITHOUT SPACER



UNIT DIMENSIONS OVERSIZE BACKINGPLATE WITH SPACER

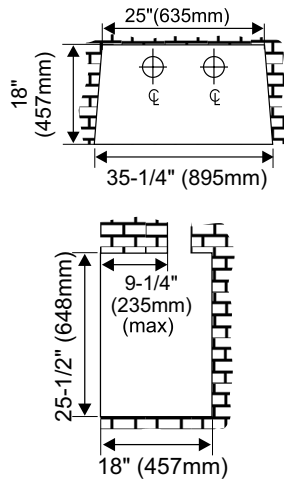


UNIT DIMENSIONS OPTIONAL 4 SIDED VIGNETTE FACEPLATE



MINIMUM FIREPLACE DIMENSIONS

The minimum fireplace dimensions for the Regency gas fireplace insert are shown in the following diagrams:



CLEARANCES

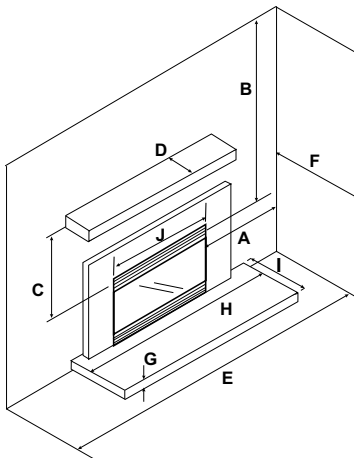
Unless otherwise stated the clearances listed below are Minimum distances to combustible materials. **Please Note: A major cause of chimney related fires is due to a failure to maintain required clearances (air space) to combustible materials. It is of the greatest importance that this fireplace and vent system be installed only in accordance with these instructions.**

Side Walls	From Unit * A 8" (203 mm)
Ceiling	B 47" (1194 mm)
Min. Mantel Height	C 15" (381 mm)
Max. Mantel Depth	D 12" (305 mm)
Alcove Width	E 76" (1930 mm)
Alcove Depth	F 36" (914 mm)
Hearth Height	G 1-1/4" (32 mm)
Hearth Width	H 45-1/2" (1156 mm)
Hearth Depth	I 13" (330 mm)

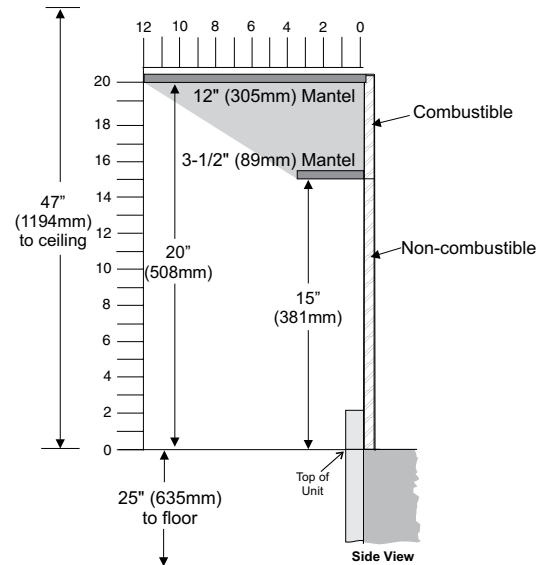
* Alcove side wall must have a min. of 8" clearance on one side.

* Measured from edge of glass frame.

(J) Glass Frame Width (Reference Only): 33-1/2" (851mm)



COMBUSTIBLE MANTEL CLEARANCES



Because of the extreme heat this fireplace emits, the mantel clearances are critical.

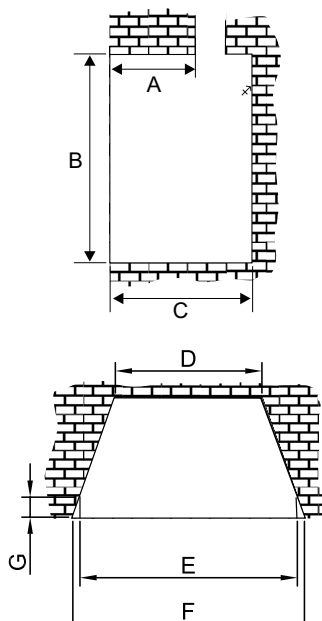
Note: A non-combustible mantel may be installed at a lower height if the framing is made of metal studs covered with a non-combustible board.

Mantel can be installed anywhere in shaded area or higher using the above scale.

Note: Ensure the paint that is used on the mantel and the facing is "heat resistant" or the paint may discolour.

MINIMUM FIREPLACE OPENING

The minimum fireplace opening for the Regency gas fireplace insert is shown in the following diagram and the table:



	Max Lintel Bar Depth A	Height B	Depth C	Width (Rear) D	Width (Front) E	Width F	Front Depth Prior to Taper G
Low Profile Faceplate with Spacer	8"	24 3/16"	16 3/4"	25"	N/A	32 1/4"	N/A
Low Profile Faceplate without Spacer	9 1/4"	25 1/2"	18"	25"	N/A	35 1/4"	N/A
Vignette faceplate with Spacer	9 1/2"	24"	16 3/4"	25"	N/A	32 1/2"	N/A
Vignette Faceplate without Spacer	12"	25 1/2"	19 1/8"	25"	34 5/8"	35 3/4"	2"

VENTING

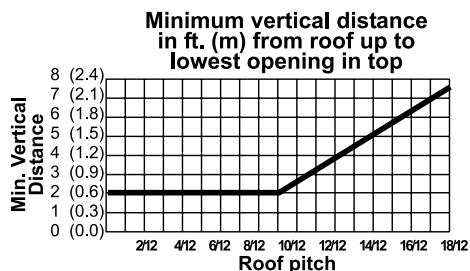
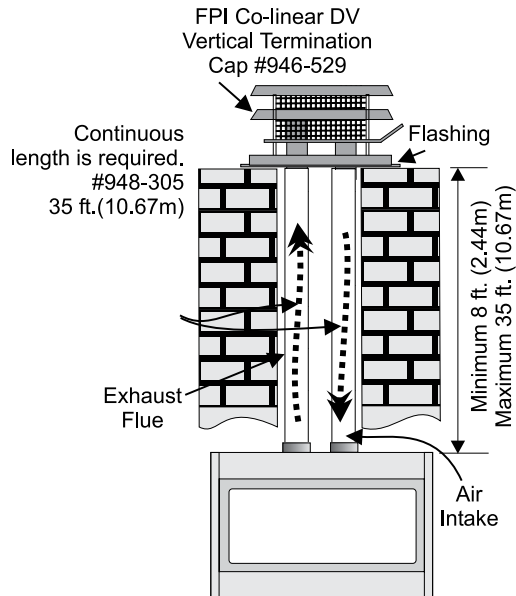
This appliance is designed to be attached to two 3" (76mm) co-linear aluminium flex running the full length of the chimney. The flue length must be a minimum length of 8' (2.44m) and a maximum of 35' (10.7m). See chart above for minimum distances from roof. Periodically check that the vent is unrestricted.

Masonry chimneys may take various contours which the flexible liner will accommodate. However, **keep the flexible liner as straight as possible**, avoid unnecessary bending.

Part #	Description
948-305	3" Flex - 35 ft.
946-529	Regency Co-linear DV Vertical Termination Cap

Alternate Approved Caps

46DVA-VC	Vertical Termination Cap
46DVA-VCH	High Wind Cap
46DVA-GK	3" Co-linear Adaptor with flashing



In areas of consistently high winds, we recommend using the Simpson Dura-Vent System (46DVA-GK adaptor and 46DVA-VCH high-wind cap).

The Air Intake pipe must be attached to the inlet air collar of the termination cap.

FLUE LINER INSTALLATION

1. Cut the flex liner as required.
2. Mark the end of one liner with an "E" to indicate Exhaust.
3. Connect the other end of the above liner to the exhaust side of the termination adaptor, seal connection with high temperature silicone. Secure with 3 screws.
4. Connect the 2nd liner to the inlet side of the adaptor, seal connection with high temperature silicone. Secure with 3 screws.
5. Install flashing.
6. Insert both liners into chimney, passing through the damper opening.
7. Install termination cap.
8. Remove vent connector plate by removing screws located on top/front of appliance.
9. Connect the marked end of the liner to the exhaust collar of the vent connector plate marked with an "E", seal connection with high temperature silicone. Secure with 3 screws.
10. Connect the 2nd liner to the intake collar, seal connection with high temperature silicone.
11. Align vent connector plate with guides on unit.
12. Slide unit into masonry opening, while ensuring that the slot at the rear of the connector plate mates up with the hold down plate on the unit.
13. Secure with screw—removed from Step 8. Secure with 3 screws.

NOTE:

1. Final gas connection should be made after unit is in place to avoid damage to line when pushing the unit into position.
2. Mill-pac may be used instead of high temperature silicone and screws may be used instead of gear clamps at connections of liner to inlet and vent collars.