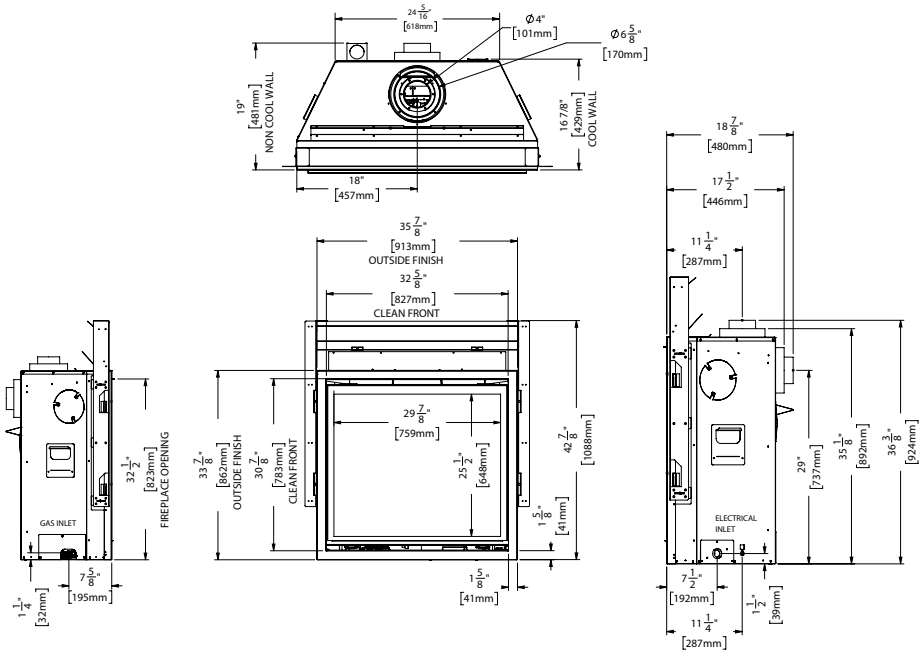
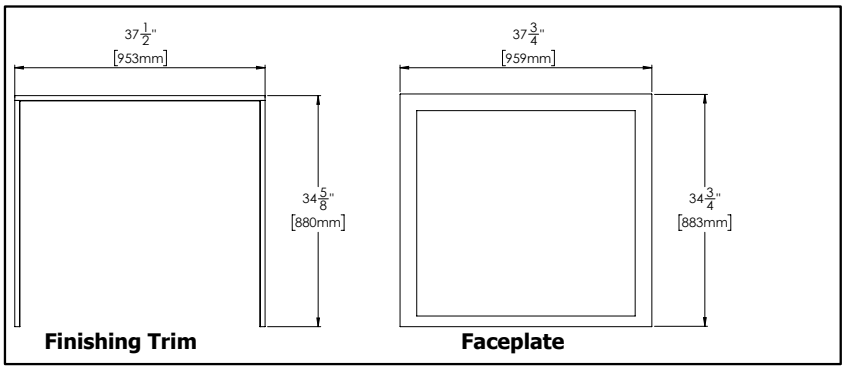
Grandview G800EC Gas Fireplace

MODEL	G800EC-NG	G800EC-LP
Fuel Type	Natural Gas	Propane
Min. Supply Pressure	5” W.C. (1.25 kPa)	11” W.C. (2.74 kPa)
Max. Supply Pressure	14” W.C. (3.48 kPa)	14” W.C. (3.48 kPa)
Manifold Pressure - High	3.8” W.C. (0.94 kPa)	10” W.C. (2.49 kPa)
Manifold Pressure - Low	1.1” W.C. (0.27 kPa)	6.4” W.C. (1.60 kPa)
Orifice Size -Altitude 0-4500 ft	# 42 DMS	# 53 DMS
Minimum Input Altitude 0-4500 ft. (0-1372m)	15,000 Btu/h (4.40 kW)	21,000 Btu/h (6.15 kW)
Maximum Input Altitude 0-4500 ft. (0-1372m)	27,000 Btu/h (7.91 kW)	25,500 Btu/h (7.47 kW)
Vent Sizing	4” Inner / 6-5/8” Outer	4” Inner / 6-5/8” Outer
CSA P.4.1	55.96%	57.74%

G800EC DIMENSIONS





Note: Gas connection is from the left hand side of the appliance & electrical connection on right hand side of the appliance. A metal receptacle box is supplied/installed with the appliance to make all 120 volt electrical connections.

COOL WALL CLEARANCES

The clearances listed below are minimum distances unless otherwise stated.

A major cause of chimney related fires is 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.

Caution Requirements
The top, back and sides of the fireplace are defined by standoffs. The metal ends of the standoff may **NOT** be recessed into combustible construction.

WARNING
Fire hazard is an extreme risk
If these clearances (air space) to combustible materials are not adhered to. It is of greatest importance that this fireplace and vent system be installed only in accordance with these instructions.

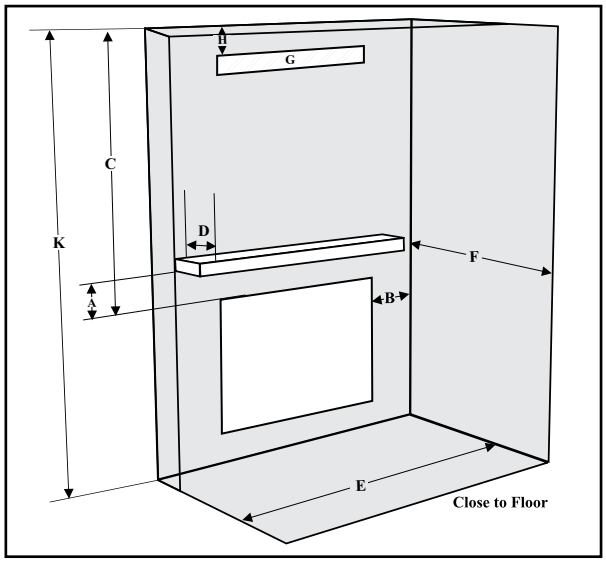
G800EC Clearance Requirements—Cool Wall Installations

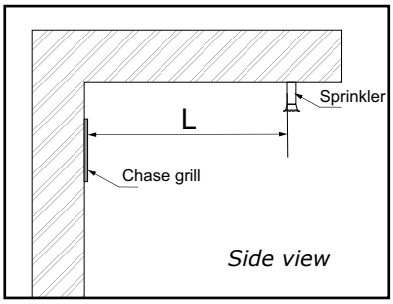
Clearance:	Cool Wall - Clean Front	Measured From:
A: Mantel Height (min.)	**0" (0mm)	Top of Fireplace Opening
B: Sidewall	6" (152mm)	Side of Fireplace Opening
C: Ceiling	47-1/2" (1207mm)	Top of Fireplace Opening
D: Mantel Depth (max.)	14" (356mm)	Front of Fireplace Opening
E: Alcove Width	84" (2134mm)	Wall to Wall (Minimum)
F: Alcove Depth	36" (914mm)	Front to Back Wall (Maximum)
G: Convection Air Outlet	66" sq (426cm^2)	Top/Front of Enclosure
H: Convection Air Outlet Opening Offset	0-2" (0-51mm)	*Top of Chase Enclosure
K: Chase Enclosure (Min.)	80" (2032mm)	From Base of Appliance Floor
L: Clearance to Sprinkler Head (Min.)	36" (914mm)	Perpendicular From Chase Grill
Notes:	0"	No Hearth Required

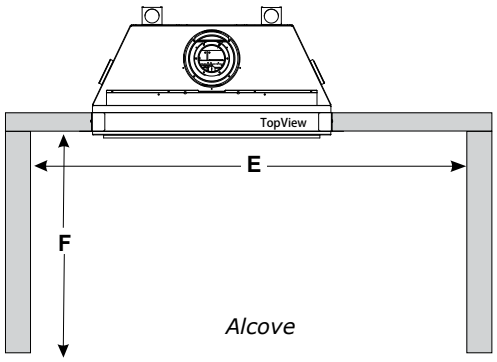
IMPORTANT - *A minimum of 66 square inches of open area, not lower than 0"-2" from top of enclosure, required for all cool wall installations — this can be achieved by having an open area in front. See manual for details.
** An extra 3/4" (19mm)of mantel height is required when using a faceplate.
Combustible materials can be installed right up to the fireplace opening with this option.

Heat Wave

The ***HeatWave*** Duct Kit has different clearance and framing requirements, check the ***HeatWave*** manual for details.





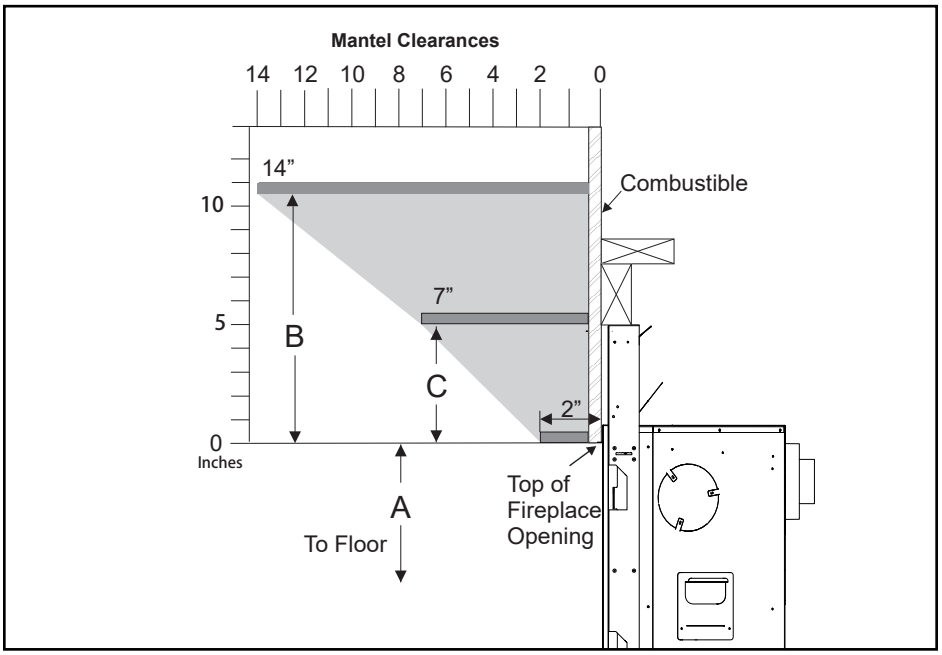


Minimum Vent Clearances to Combustibles

Horizontal Top	2" (51mm)
Horizontal Side	1-1/2 " (38mm)
Horizontal Bottom	1-1/2" (38mm)
Vertical Vent	1-1/2" (38mm)

CLEAN FRONT INSTALLATION (COOL WALL) - COMBUSTIBLE/NON COMBUSTIBLE MANTEL CLEARANCES

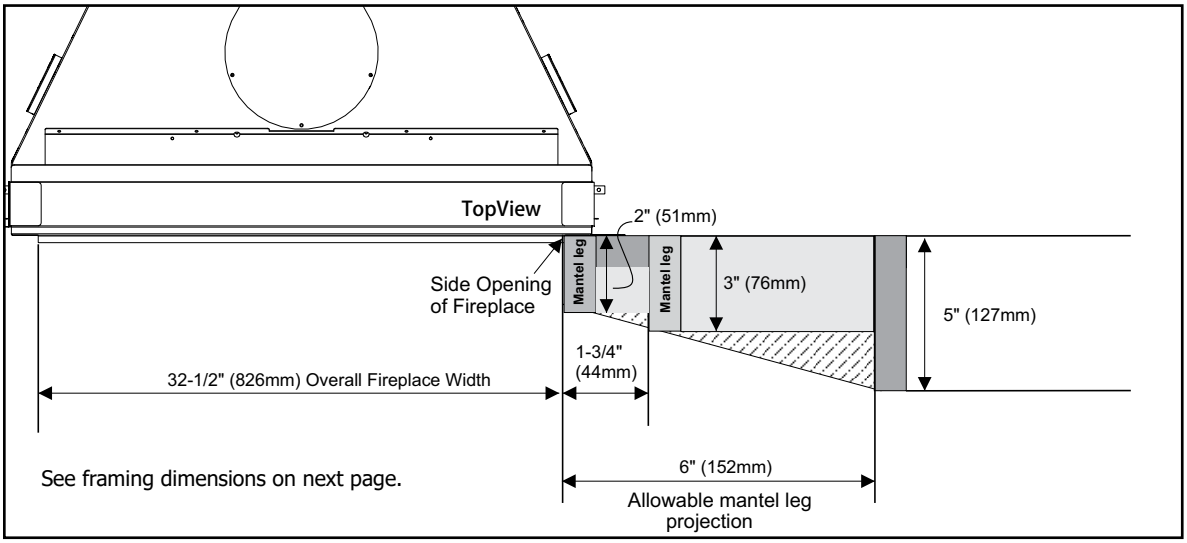
Due to the extreme heat this fireplace emits, the mantel clearances are critical. Combustible/non combustible mantel clearances from top of front facing are shown in the diagram below.



Mantel Clearances G800EC	A	B	C
From Top of Fireplace Opening	32-1/2" (826mm)	10" (254mm)	5" (127mm)

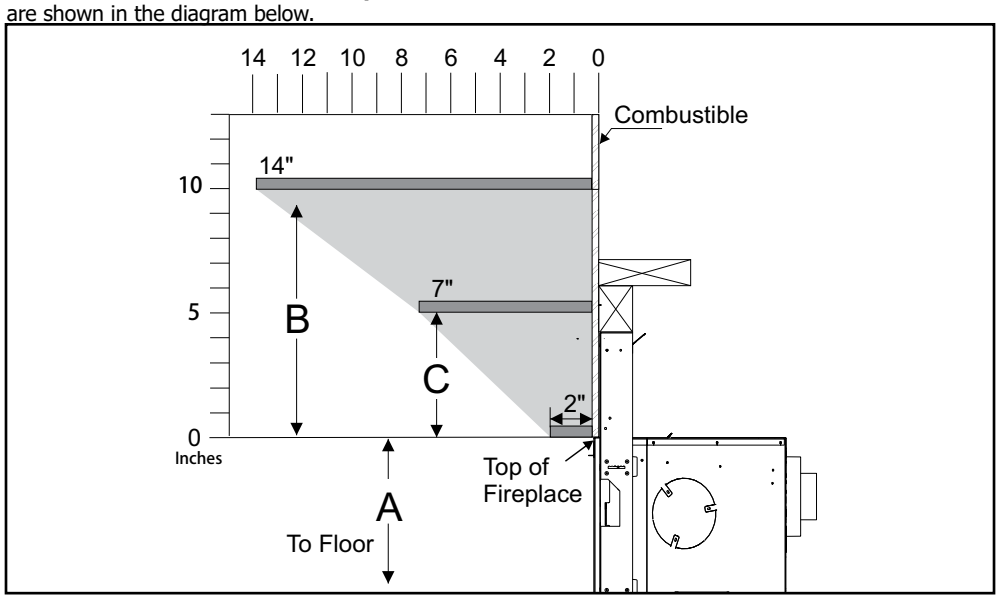
Note: Ensure the paint that is used on the mantel and the facing is "High Quality" or the paint may discolour.

CLEAN FRONT INSTALLATION (COOL WALL) - COMBUSTIBLE/NON COMBUSTIBLE MANTEL LEG CLEARANCES



OUTSIDE FINISH INSTALLATION (COOL WALL) - COMBUSTIBLE/NON COMBUSTIBLE MANTEL CLEARANCES

Due to the extreme heat this fireplace emits, the mantel clearances are critical. Non combustible mantel clearances from top of front facing are shown in the diagram below.



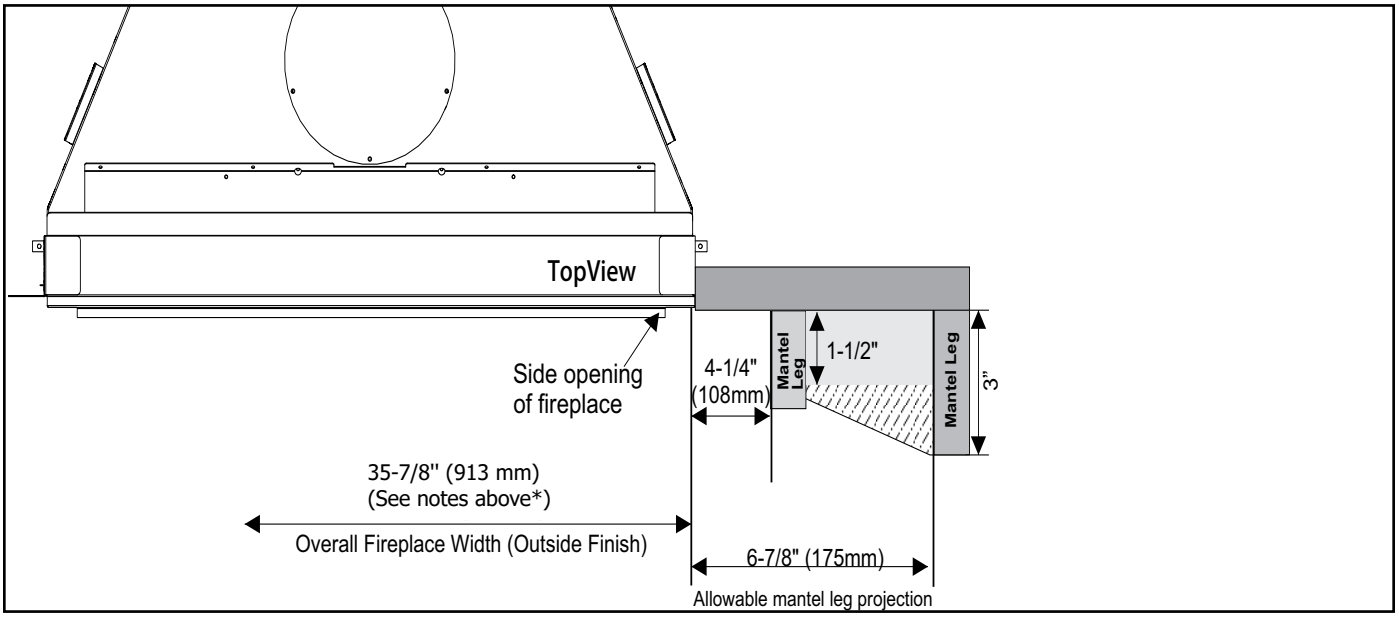
Mantel Clearances G800EC	A	B	C
From Top of Fireplace	34" (754 mm)	10" (254 mm)	5" (127 mm)

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

Note: If optional Faceplate is being installed, leave an additional 1" (25 mm) clearance from from top of fireplace opening for installation and removal.

***Note: When the optional faceplate is chosen, overall width changes from 35-7/8" (913 mm) to 36-7/8" (937mm).**

OUTSIDE FINISH INSTALLATION (COOL WALL) - COMBUSTIBLE/NON COMBUSTIBLE MANTEL LEG CLEARANCES

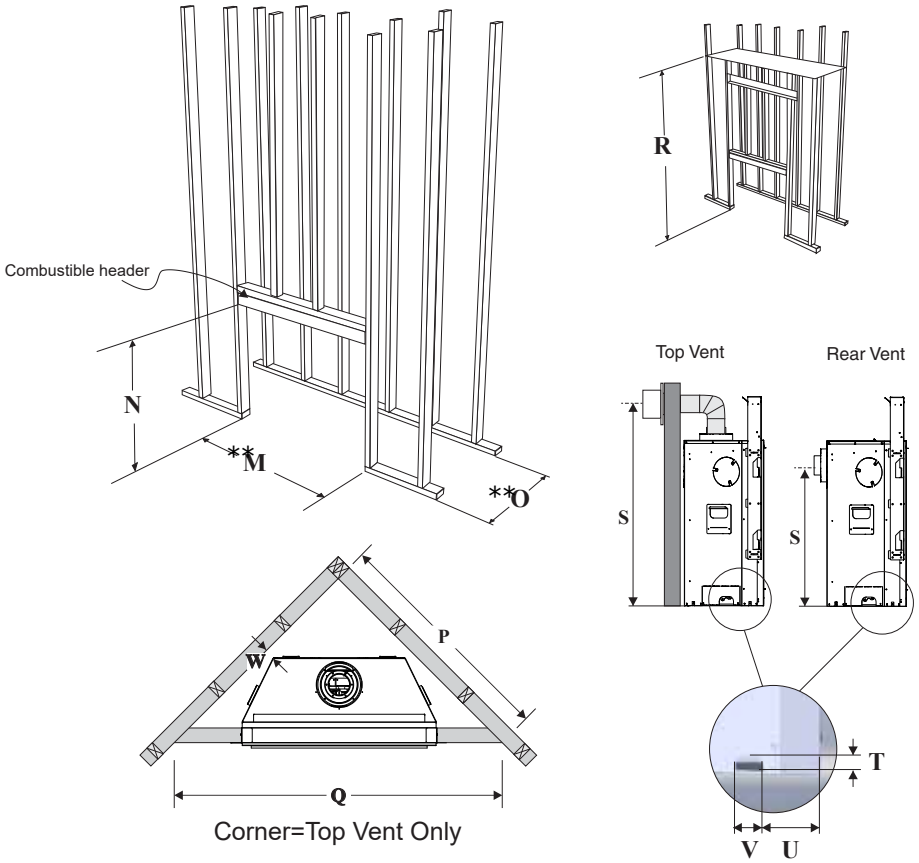


COOL WALL INSTALLATION - FRAMING

Framing Dimensions	Description	Cool Wall	Cool Wall with Finishing Trim or Faceplate
M	Framing Width	36-1/2" (927mm)	37-1/2" (952mm)
N*	Framing Height	43" (940mm)	
O	Framing Depth	16-7/8" (427mm)	
P	Corner Facing Wall Width	42-1/2" (1035mm)	
Q	Corner Facing Wall Width	60" (1524mm)	
R	Framed Chase Ceiling Enclosure	80" (2032mm)	
S (Rear Vent)	Vent Centerline Height - Rear	29" (737mm)	
S (Top Vent)	Vent Centerline Height - Top	44" (1118mm)	
T	Gas Connection Height	1-1/2" (38mm)	
U	Gas Connection Inset	6-3/8" (162mm)	
V	Gas Connection Width	3" (76mm)	
W	Clearance to Corner of Unit	2-3/4" (70mm)	

*** Important: Framing height requires consideration of the hearth height. Dimension N = N + the thickness of the installed hearth.**

Note: The 2 standoffs at the rear of the appliance may be removed as these are not required in this application. Ensure that any screws that are removed are reinstalled. The 2 standoffs can be recycled/discarded.



Corner=Top Vent Only

IMPORTANT: Corner applications are vented from the top only - rear venting cannot be used.

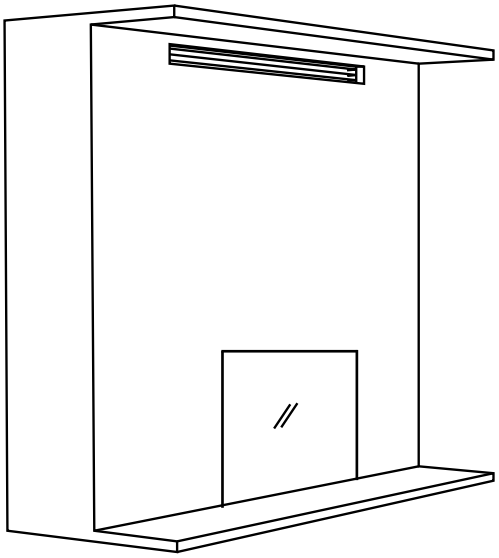
**The framing depth/width does not take into account dry wall/wood or similar materials against the back /side wall. The framing depth will need to change based on the thickness of the material
(example: M - 36-1/2" framing width + 1/2" drywall = 37")
(example: M Outside finish with finishing trim/faceplate - 37-1/2" framing width + 1/2" drywall = 38")
(example: O - 16-7/8" framing depth + 1/2" drywall = 17-3/8")

CHASE VENTING

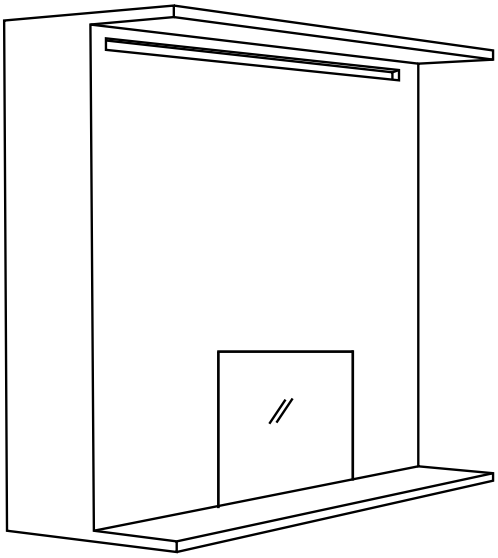
Note: The enclosure opening cannot be any lower than 0-2" from the top of the enclosure for all installations. Minimum height of enclosure from base of appliance is 80" (2032mm).

A minimum 66 in^2 opening in the enclosure is required to maintain safe operating temperatures. This can be achieved in a number of ways including the examples shown below.

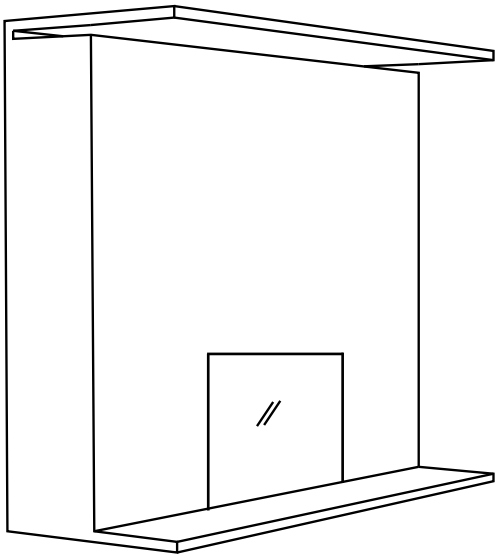
Warning: DO NOT cover or place objects in front of the air outlet(s).



Regency Chase Vent



Custom chase vent



Reveal at the chase top

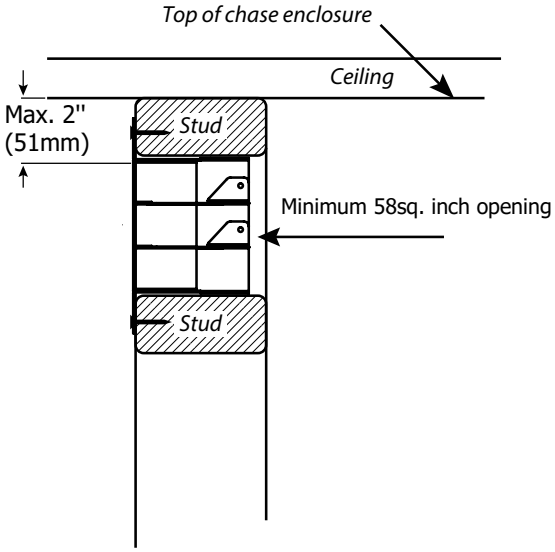
CHASE ENCLOSURE (COOL WALL)

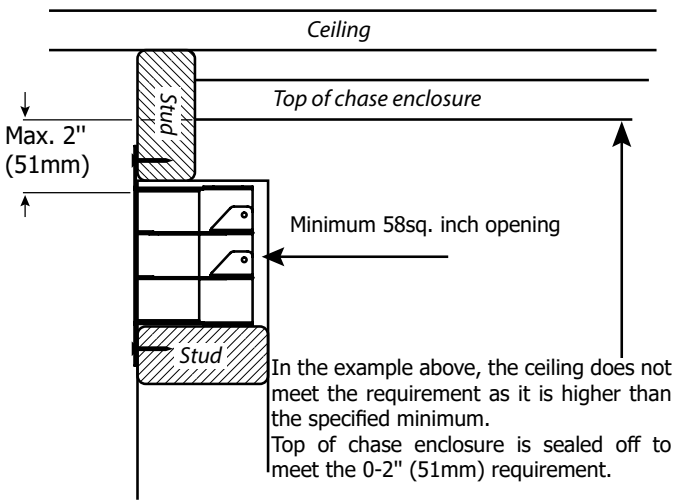
When choosing to install the ventilation openings from the front, the top of the ventilation opening cannot be any lower than 0-2" (51mm) from the top of the chase enclosure for all installations.
Minimum height of enclosure from base of appliance is 80" (2032mm).
A minimum 66in^2 opening in the enclosure is required to maintain safe operating temperatures. This can be achieved in a number of ways including the examples shown in this manual.

IMPORTANT:
Exterior wall/Alcove enclosure: When installing into an exterior cavity or alcove enclosure (ceiling, back and sides), regardless of where appliance is placed within the home, requires the use of either drywall or other means such as plywood, wood studs, etc. to prevent heat from escaping anywhere above /through the enclosure other than the required grill / ventilation opening.
Internal chase: When installing as an internal chase framing installation ,regardless of where appliance is placed within the home, requires the use of either drywall or other means such as plywood, on the rear wall of the chase to eliminate heat escaping into the rear wall cavity. If the chase is extended to the ceiling ,the ceiling will also need to be finished in a manner to prevent heat escaping into floor joist/attic space.

One of the following methods must be used to prevent the heat from escaping.
a. If choosing drywall, ensure that the drywall is butt up tight with no gaps.
b. Plywood, wood studs, etc. installed tightly with no gaps.

As this appliance has been designed with all hot air escaping through the chase enclosure ventilation/grill openings only, if hot air is trapped as a result of the hot air escaping through joints, crevasses, open studs, or other openings within the enclosure above, this will change the clearances within the enclosure causing the enclosure to overheat. It is vital that all the hot air from within the enclosure exits through the ventilation openings only.
Ensure that the ventilation openings are made as such to prevent debris, objects from falling into the enclosure.
Warning: DO NOT cover or place objects in front of the ventilation opening air outlet(s).

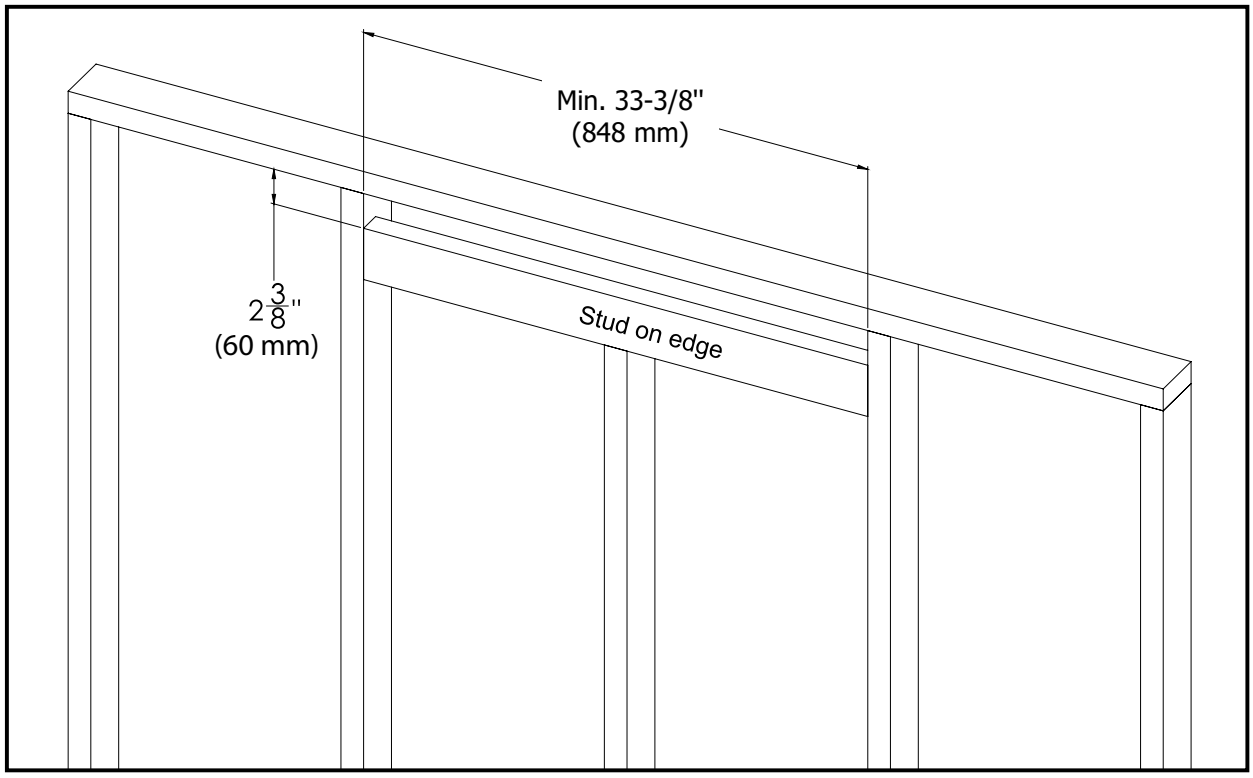




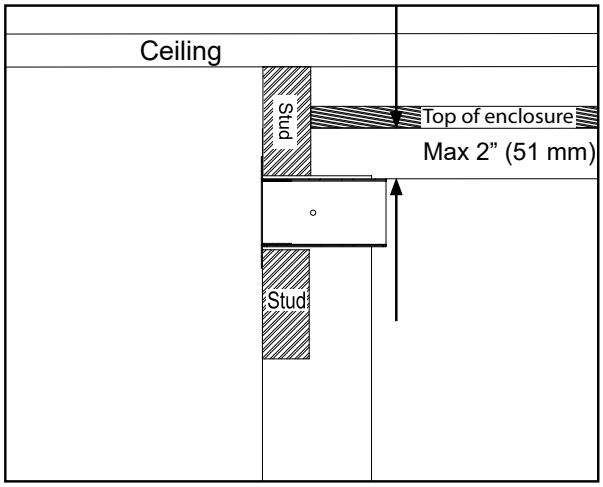
CHASE VENT INSTALLATION - COOL WALL

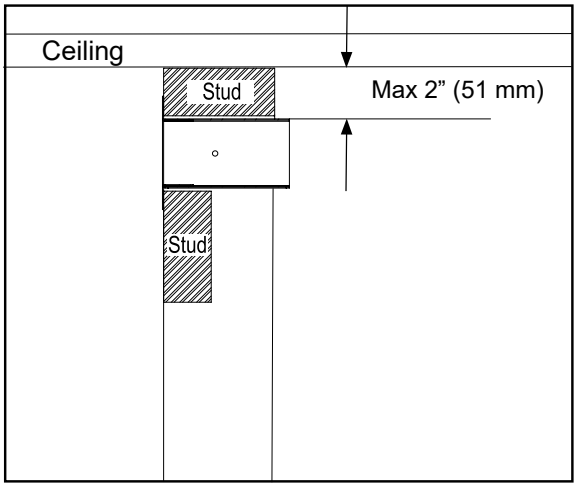
Framed opening must be at least 2-3/8" (60mm) tall, and at least 33-3/8" (848mm) wide to accomodate the Chase vent. The top of the Chase vent opening must be 2" or less from the top of the chase enclosure. Fasten the Chase vent with screws and construction adhesive.

If the chase vent is not being used, a minimum 66in^2 (426cm^2) opening in the enclosure is required to maintain safe operating temperatures. This can be achieved in a number of ways including a reveal at the top of the chase.



Side View





CLEAN FRONT INSTALLATION (NON COOL WALL) - CLEARANCES

The clearances listed below are minimum distances unless otherwise stated:

A major cause of chimney related fires is 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.

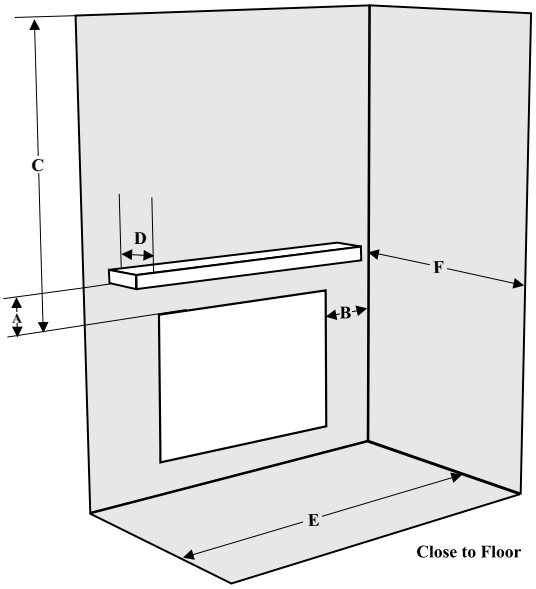
Caution Requirements
The top, back and sides of the fireplace are defined by standoffs. The metal ends of the standoff may **NOT** be recessed into combustible construction.

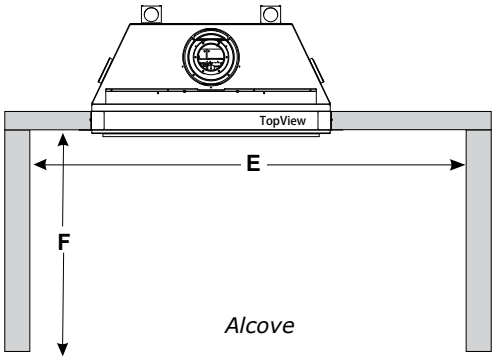
WARNING
Fire hazard is an extreme risk if these clearances (air space) to combustible materials are not adhered to. It is of greatest importance that this fireplace and vent system be installed only in accordance with these instructions.

G800EC Clearance Requirements		
Clearance:	**Dimension**	**Measured From:**
A: Mantel Height (min.)	11-1/2" (292mm)	Top of Fireplace Opening
B: Sidewall	25" (635mm)	Side of Fireplace Opening
C: Ceiling	36-1/2" (927mm)	Top of Fireplace Opening
D: Mantel Depth (max.)	19" (483mm)	Front of Fireplace Opening
E: Alcove Width	84" (2134mm)	Wall to Wall (Minimum)
F: Alcove Depth	36" (914mm)	Front to Back Wall (Maximum)
Notes:	0"	No Hearth Required

Heat Wave

The ***HeatWave*** Duct Kit has different clearance and framing requirements, check the ***HeatWave*** manual for details.





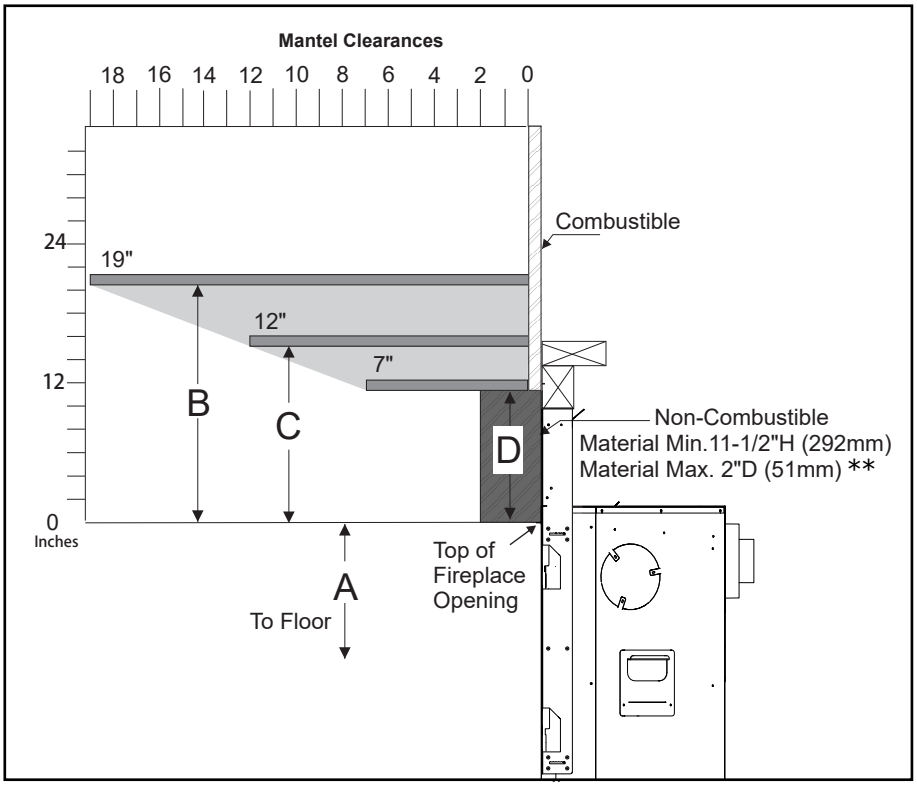
Minimum Vent Clearances to Combustibles

Horizontal Top	2" (51mm)
Horizontal Side	1-1/2" (38mm)
Horizontal Bottom	1-1/2" (38mm)
Vertical Vent	1-1/2" (38mm)

CLEAN FRONT INSTALLATION (NON COOL WALL) - COMBUSTIBLE MANTEL CLEARANCES

Due to the extreme heat this fireplace emits, the mantel clearances are critical. Combustible mantel clearances from top of front facing are shown in the Diagram on the right.

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

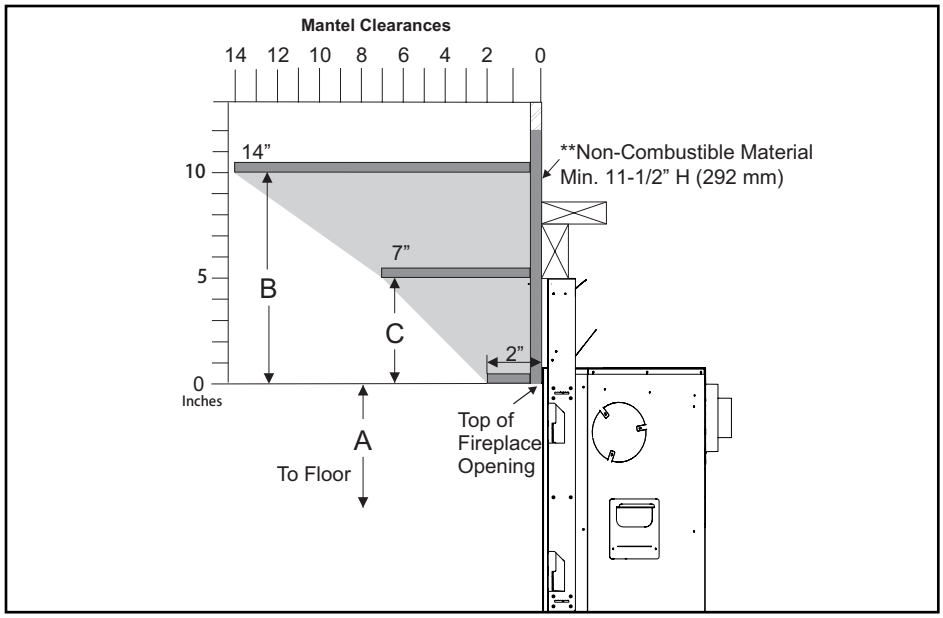


Mantel Clearances G800EC	A	B	C	D
From Top of Fireplace Opening	32-1/2" (826mm)	20-1/2" (597mm)	15-1/4" (470mm)	11-1/2" (292mm)

****The non combustible board supplied with the appliance is 11-1/2" (292mm) high.**

CLEAN FRONT INSTALLATION (NON COOL WALL) - NON COMBUSTIBLE MANTEL CLEARANCES

Due to the extreme heat this fireplace emits, the mantel clearances are critical. Non combustible mantel clearances from top of front facing are shown in the diagram below.

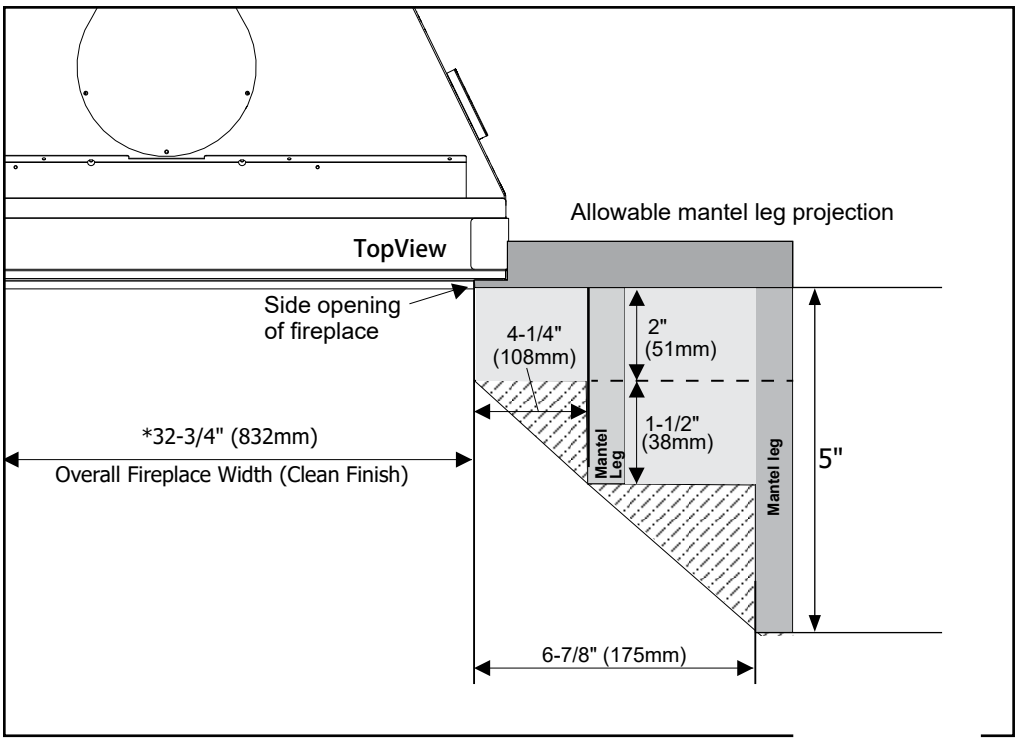


Mantel Clearances G800C	A	B	C
From Top of Fireplace Opening	32-1/2" (826 mm)	10" (254 mm)	5" (127 mm)

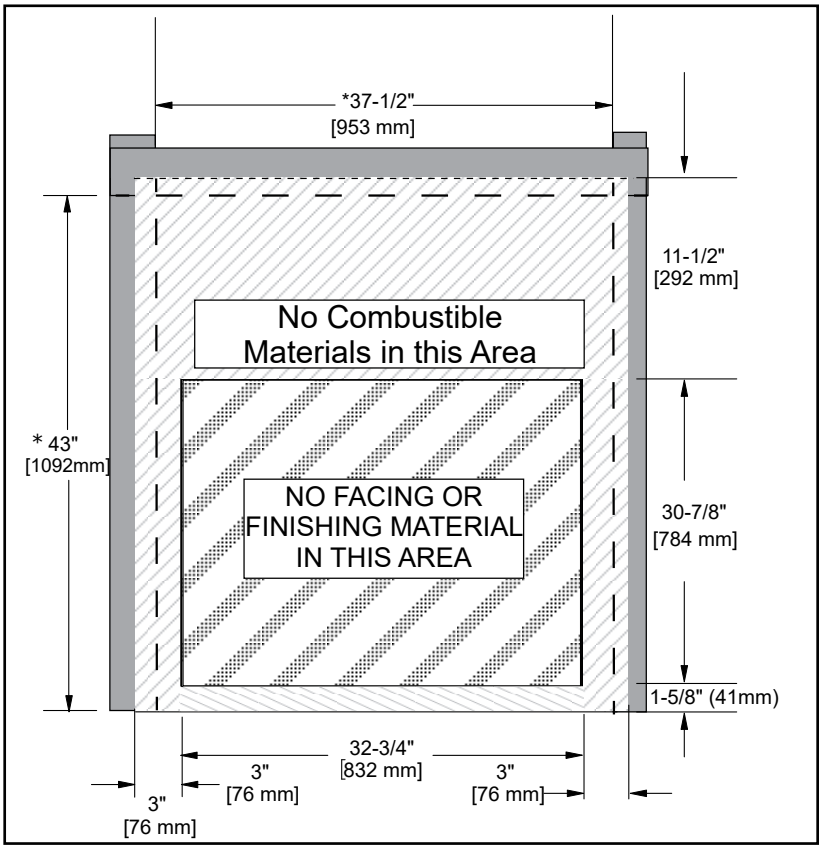
Note: Ensure the paint that is used on the mantel and the facing is "High Quality" or the paint may discolour.

****The non combustible board supplied with the appliance is 11-1/2" (292 mm) high.**

CLEAN FRONT INSTALLATION (NON COOL WALL) - COMBUSTIBLE/NON COMBUSTIBLE MANTEL LEG CLEARANCES



CLEAN FRONT INSTALLATION (NON COOL WALL) - NON-COMBUSTIBLE REQUIREMENTS

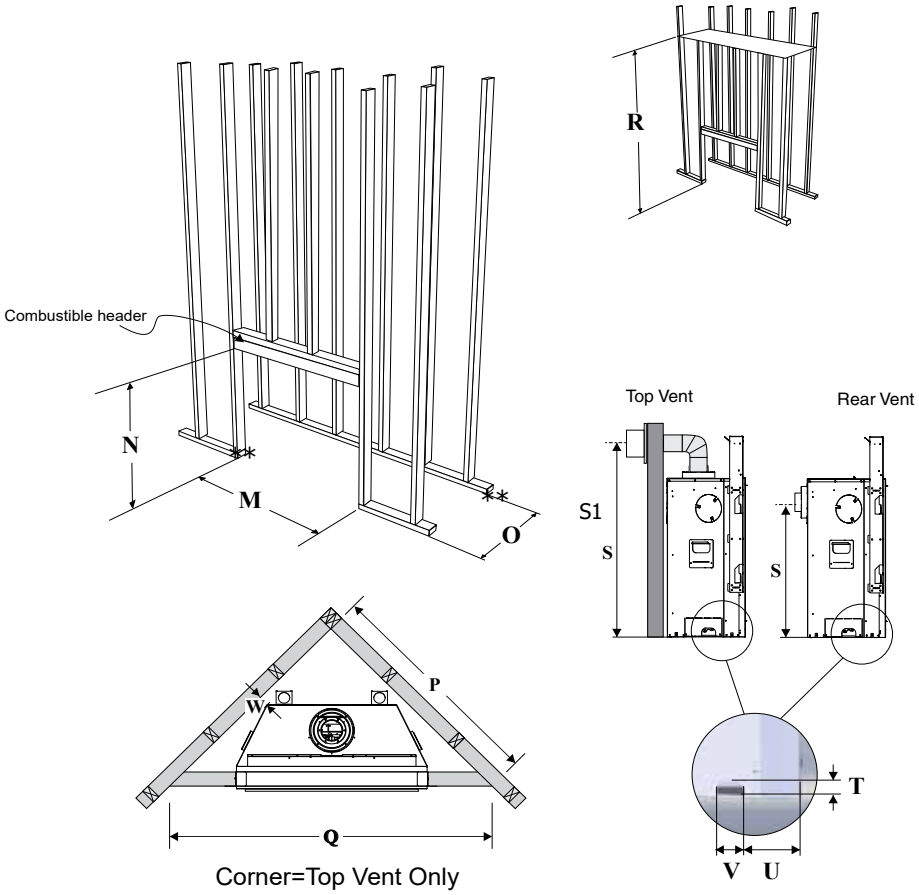


*Minimum Framing Width & Height
See framing dimensions on next page.

CLEAN FRONT INSTALLATION - FRAMING (NON COOL WALL)

Framing Dimensions	Description	G800EC - Non Cool Wall
M	Framing Width	37-1/2"(953mm)
N*	Framing Height	43" (1092mm)
O	Framing Depth	19-1/4" (489mm)
P (Top Vent Only)	Corner Facing Wall Width	46-1/2" (1181mm)
Q (Top Vent Only)	Corner Facing Wall Width	65-3/4" (1670mm)
R	Framed Chase Ceiling	62" (1575mm)
S (Rear Vent)	Vent Centerline Height - Rear	29" (673mm)
S1 (Top Vent)	Vent Centerline Height - Top	44" (1118mm)
T	Gas Connection Height	1-1/2" (38mm)
U	Gas Connection Inset	6-3/8" (162mm)
V	Gas Connection Width	3" (76mm)
W	Clearance to corner of unit	2-3/4" (70mm)
	Non-combustible Height	11-1/2" (292mm)

*** Important: Framing height requires consideration of the hearth height. Dimension N = N + the thickness of the installed hearth.**



Corner=Top Vent Only

IMPORTANT: Corner applications are vented from the top only - rear venting cannot be used.

**The framing depth/width does not take into account dry wall/wood or similar materials against the back /side wall. The framing depth will need to change based on the thickness of the material
(example: M - 37-1/2" framing width + 1/2" drywall = 38")
(example: O - 19-1/4" framing depth + 1/2" drywall = 19-3/4")

CLEAN FRONT INSTALLATION

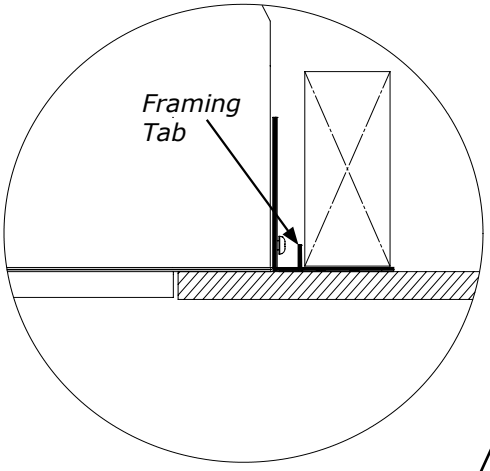
The finishing material can be brought to the edge of the fireplace opening.

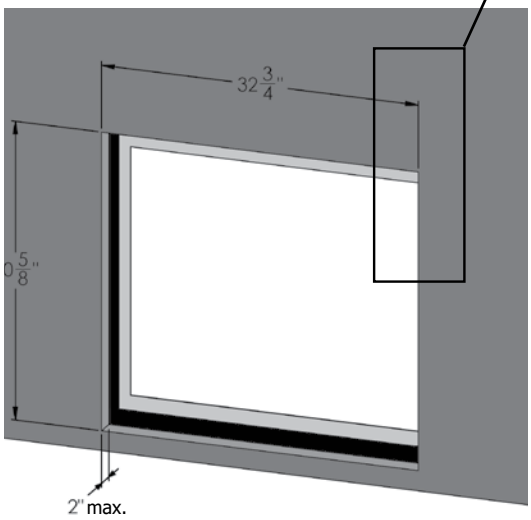
Do NOT finish beyond the opening, doing so will prevent the screen from being attached and removed.

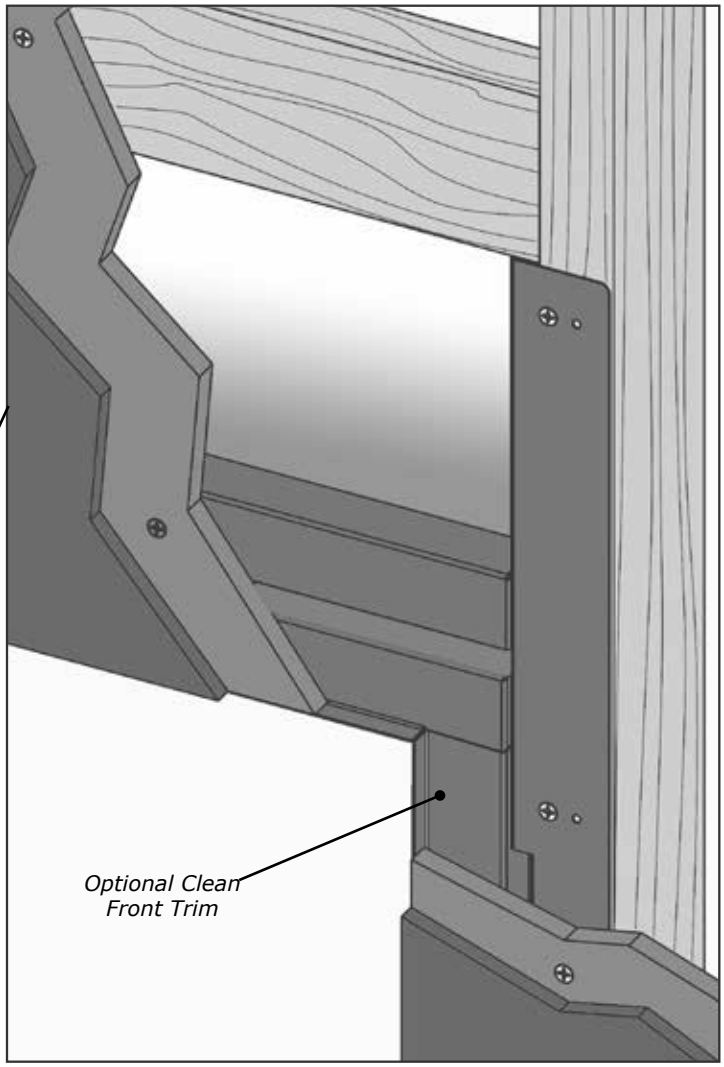
The Optional Clean Front Trim (Part # 761-929) is available to prevent this from happening. See Section: Clean Front Trim Install Instructions for details.

NAILING FLANGE INSTRUCTIONS

1. Bend framing tabs 90° backward to create the framing standoff.

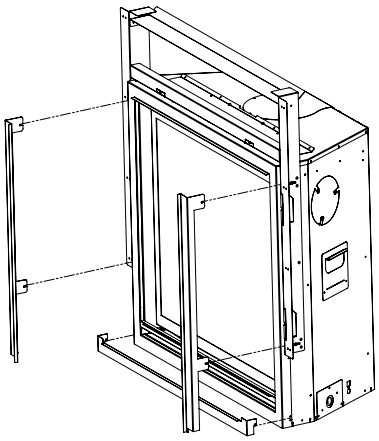






OPTIONAL CLEAN FRONT TRIM INSTALL INSTRUCTIONS (PART # 761-929)

1. Loosen the four (4) screws that attach the right and left nailing flanges to the unit.
2. Slide the left and right tiling flanges onto the front of the fireplace. Use the slots to center with the screw securing the Nailing Flanges.
3. Tighten screws down.
4. Slide the Bottom Tiling Flange against the bottom of the fireplace. Secure with a screw on each side.
5. Finishing material can now be pressed against the flat edge created by the Clean Front Trim.



OUTSIDE FINISH INSTALLATION (NON COOL WALL) - CLEARANCES

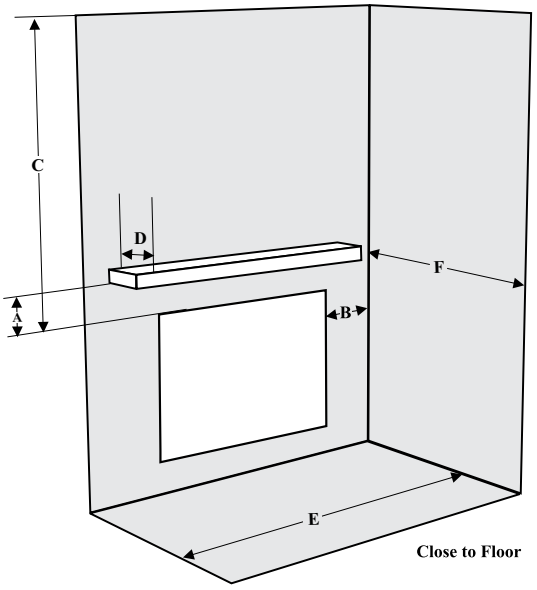
The clearances listed below are minimum distances unless otherwise stated:

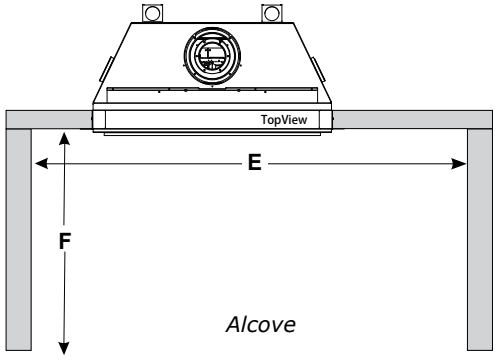
A major cause of chimney related fires is failure to maintain required clearances (air space) to combustible materials. It is of the greatest importance that this fireplace and vent system be installed only in accordance with these instructions.

Caution Requirements
The top, back and sides of the fireplace are defined by standoffs. The metal ends of the standoff may **NOT** be recessed into combustible construction.

WARNING
Fire hazard is an extreme risk if these clearances (air space) to combustible materials are not adhered to. It is of greatest importance that this fireplace and vent system be installed only in accordance with these instructions.

G800EC Outside Finish Clearance Requirements		
Clearance:	**Dimension**	**Measured From:**
A: Mantel Height (min.)	10" (254mm)	Top of Fireplace Opening
B: Sidewall	25" (635mm) one side only	Side of Fireplace Opening
C: Ceiling	36-1/2" (927mm)	Top of Fireplace Opening
D: Mantel Depth (max.)	12" (305mm)	Top of Fireplace Opening
E: Alcove Width	84" (2134mm)	Wall to Wall (Minimum)
F: Alcove Depth	36" (914mm)	Front to Back Wall (Maximum)
Notes:	0"	No Hearth Required



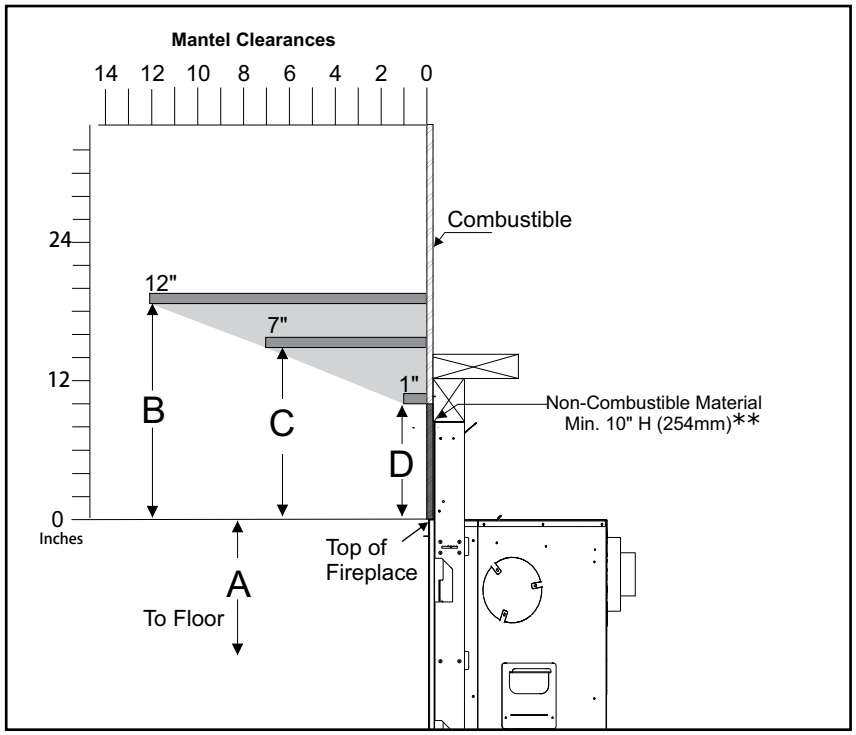


Minimum Vent Clearances to Combustibles

Horizontal Top	2" (51mm)
Horizontal Side	1-1/2 " (38mm)
Horizontal Bottom	1-1/2" (38mm)
Vertical Vent	1-1/2" (38mm)

OUTSIDE FINISH INSTALLATION (NON COOL WALL) - COMBUSTIBLE MANTEL CLEARANCES

Due to the extreme heat this fireplace emits, the mantel clearances are critical. Combustible mantel clearances from top of front facing are shown in the Diagram below.



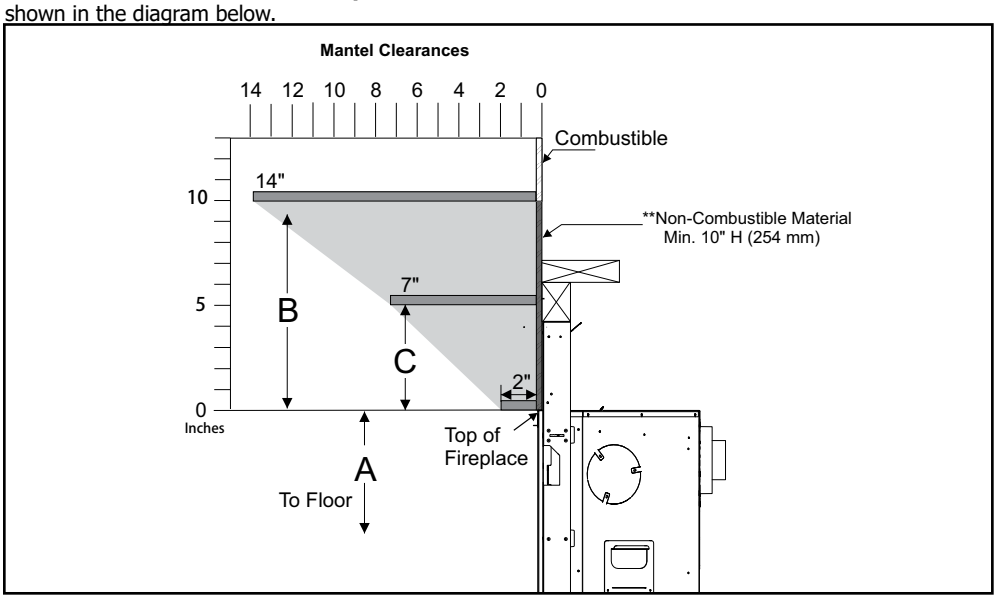
Mantel Clearances G800EC	A	B	C	D
From Top of Fireplace	34" (754mm)	19" (483mm)	15" (381mm)	10" (254mm)

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

****The non combustible board supplied with the appliance is 11-1/2" (292 mm) high. This may be cut to size if desired.**

OUTSIDE FINISH FRONT INSTALLATION (NON COOL WALL) - NON COMBUSTIBLE MANTEL CLEARANCES

Due to the extreme heat this fireplace emits, the mantel clearances are critical. Non combustible mantel clearances from top of front facing are shown in the diagram below.



Mantel Clearances G800EC	A	B	C
From Top of Fireplace	34" (754 mm)	10" (254 mm)	5" (127 mm)

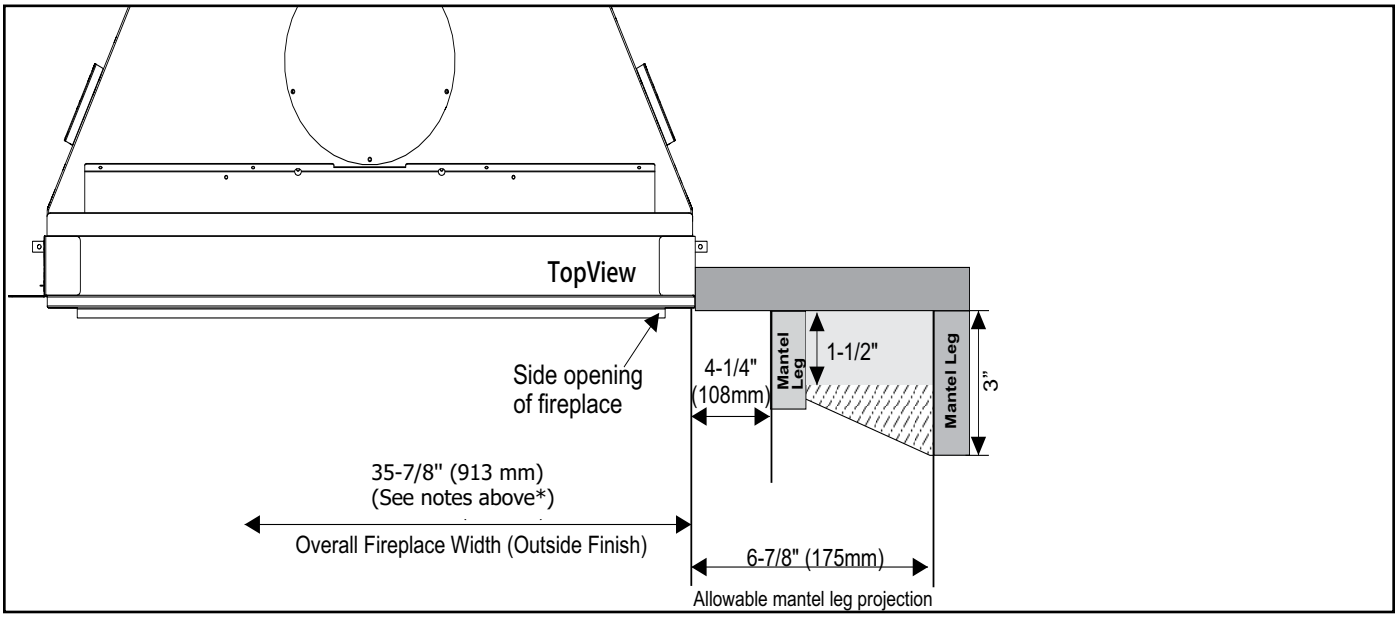
Note: Ensure the paint that is used on the mantel and the facing is "High Quality" or the paint may discolour.

****The non combustible board supplied with the appliance is 11-1/2" (292mm) high. This may be cut to size if desired.**

Note: If optional Faceplate is being installed, leave an additional 1" (25 mm) clearance from from top of fireplace for installation and removal.

***Note: When the optional faceplate is chosen, overall width changes from 35-7/8" (913 mm) to 36-7/8" (937mm).**

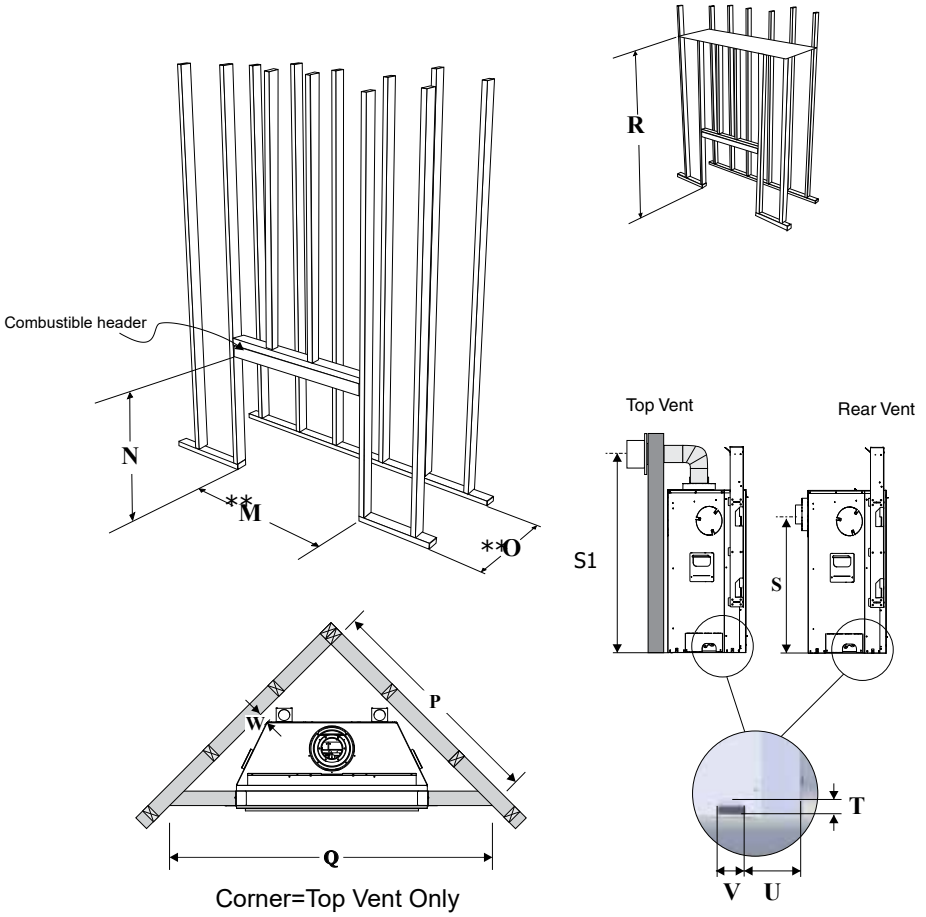
OUTSIDE FINISH INSTALLATION (NON COOL WALL) - COMBUSTIBLE/NON COMBUSTIBLE MANTEL LEG CLEARANCES



OUTSIDE FINISH INSTALLATION (NON COOL WALL) - FRAMING

Framing Dimensions	Description	Outside Finish	Outside finish with Finishing Trim or Faceplate
M	Framing Width	36-1/2" (927mm)	37-1/2" (953mm)
N*	Framing Height	43" (1092mm)	
O	Framing Depth	19-1/4" (489mm)	
P (Top Vent Only)	Corner Facing Wall Width	46-1/2" (1181mm)	
Q (Top Vent Only)	Corner Facing Wall Width	65-3/4" (1670mm)	
R	Framed Chase Ceiling	62" (1575mm)	
S (Rear Vent)	Vent Centerline Height - Rear	29" (673mm)	
S1 (Top Vent)	Vent Centerline Height - Top	44" (1118mm)	
T	Gas Connection Height	1-1/2" (38mm)	
U	Gas Connection Inset	6-3/8" (162mm)	
V	Gas Connection Width	3" (76mm)	
W	Clearance to Corner of Unit	2-3/4"(70mm)	
	Non-combustible Height	10" (254mm)	

*** Important: Framing height requires consideration of the hearth height. Dimension N = N + the thickness of the installed hearth.**



Corner=Top Vent Only

IMPORTANT: Corner applications are vented from the top only - rear venting cannot be used.

**The framing depth/width does not take into account dry wall/wood or similar materials against the back /side wall. The framing depth will need to change based on the thickness of the material
(example: M - 36-1/2" framing width + 1/2" drywall = 37")
(example: M Outside finish with finishing trim/faceplate - 37-1/2" framing width + 1/2" drywall = 38")
(example: O - 19-1/4" framing depth + 1/2" drywall = 19-3/4")

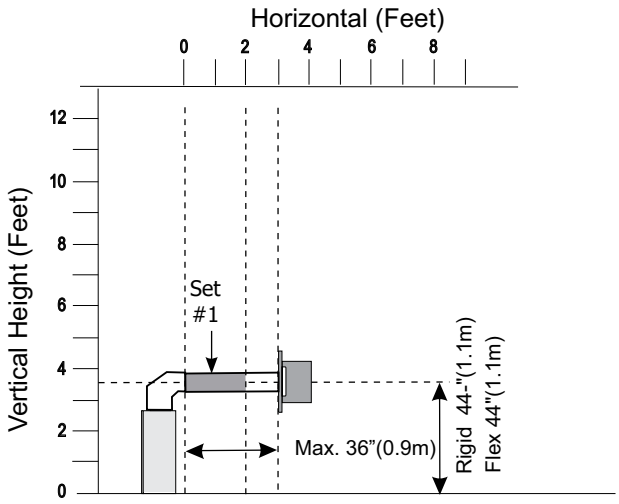
VENTING ARRANGEMENTS FOR HORIZONTAL TERMINATIONS - FLEX VENT/RIGID PIPE - 4" X 6-5/8" (102 MM X 168 MM)

The Diagrams show all allowable combinations of vent runs with 4" x 6-5/8" venting using the Regency direct vent system or rigid vent system. A vent guard should be used whenever the termination is lower than the specified minimum or as per local codes.

For horizontal terminations the Regency Direct Vent Flex System may be used for installations with a maximum **continuous** vent maximum horizontal length of 3ft (0.9m).

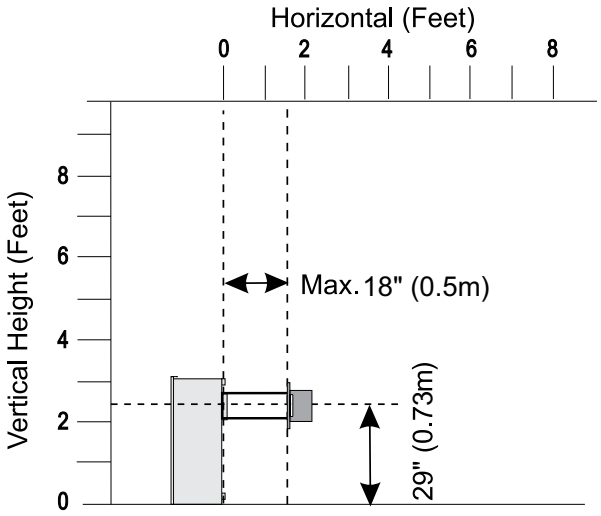
Note: Must use optional rigid pipe adaptor (Part # 510-994) when using Rigid Pipe vent systems.

- **Maintain clearance to combustibles.**
- **Horizontal vent must be supported every 3 feet.**
- **Firestops are required at each floor level and whenever passing through a wall.**



Top Vented

Set #1 (2" open) up to 2' horizontal
Factory Setting - no restrictor required greater than 2' horizontal



Rear Vented

Factory Setting - No Restrictor Required

RIGID PIPE VENTING SYSTEMS - HORIZONTAL OR VERTICAL TERMINATIONS

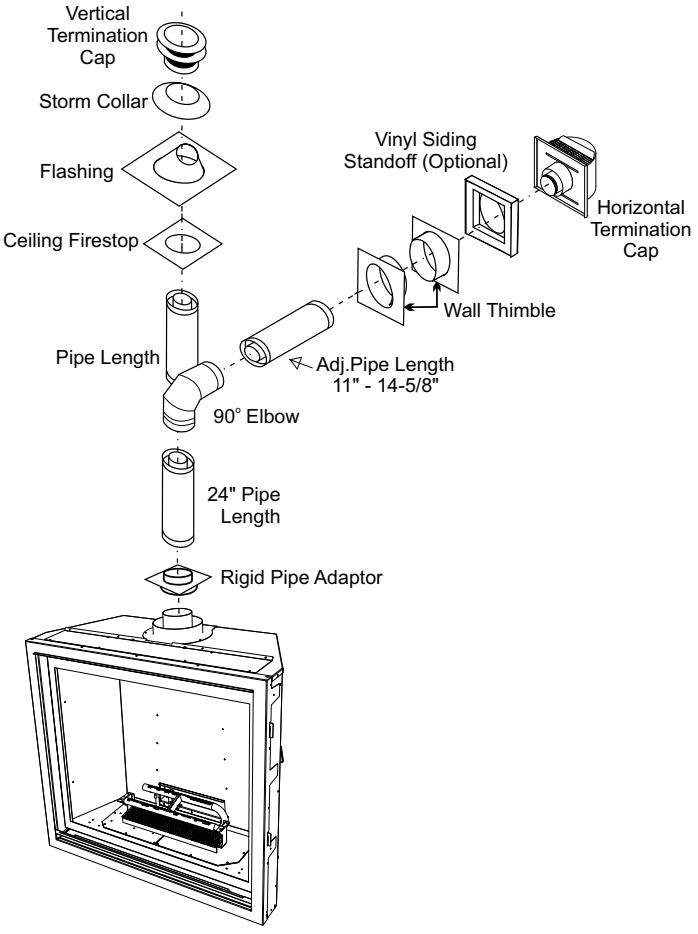
The minimum components required for a basic horizontal termination are:

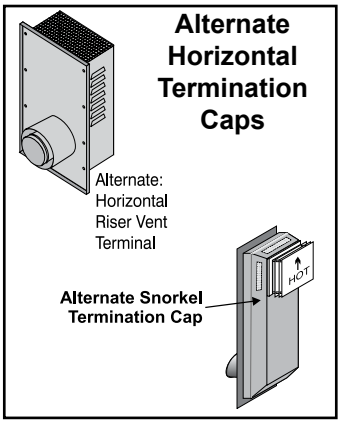
1 Horizontal Termination Cap
1 90° Elbow
1 Rigid Pipe Adaptor
1 Wall Thimble
1 Length of pipe to suit wall thickness (see chart)

Wall thickness is measured from the back standoffs to the inside mounting surface of termination cap. For siding other than vinyl furring strips may be used, instead of the vinyl siding standoff, to create a level surface to mount the vent terminal. The Terminal must not be recessed into siding. Measure the wall thickness including furring strips.

If a Vinyl Siding Standoff is required (it must be used with vinyl siding), measure to outside surface of wall without siding and add 2 inches.

Flat Wall Installation	
Wall Thickness (inches)	**Vent Length Required (inches)**
4" (102mm) - 5-1/2" (140mm)	6" (152mm)
7" (178mm) - 8-1/2" (216mm)	9" (229mm)
10" (254mm) - 11-1/2" (292mm)	12" (305mm)
9" (229mm) - 14-1/2" (368mm)	11" (279mm) - 14-5/8" (371mm) Adj. Pipe
15" (381mm) - 23-1/2" (597mm)	17" (432mm) - 24" (610mm) Adj. Pipe
Corner Installation	
Wall Thickness (inches)	**Vent Length Required (inches)**
3-1/4" (83mm) - 6-3/4" (171mm)	11" (279mm) - 14-5/8" (371mm) Adj. Pipe
7-3/4" (197mm) - 16-1/4" (413mm)	17" (432mm) - 24" (610mm) Adj. Pipe
7-1/4" (184mm) - 8-3/4" (222mm)	6" (152mm) + 12" (305mm) 9" (229mm) + 9" (229mm)
4-1/4" (108mm) - 5-3/4" (146mm)	6" (152mm) + 9" (229mm)





WARNING:
Do not combine venting components from different venting systems.

However use of the AstroCap™ and FPI Riser is acceptable with all systems.

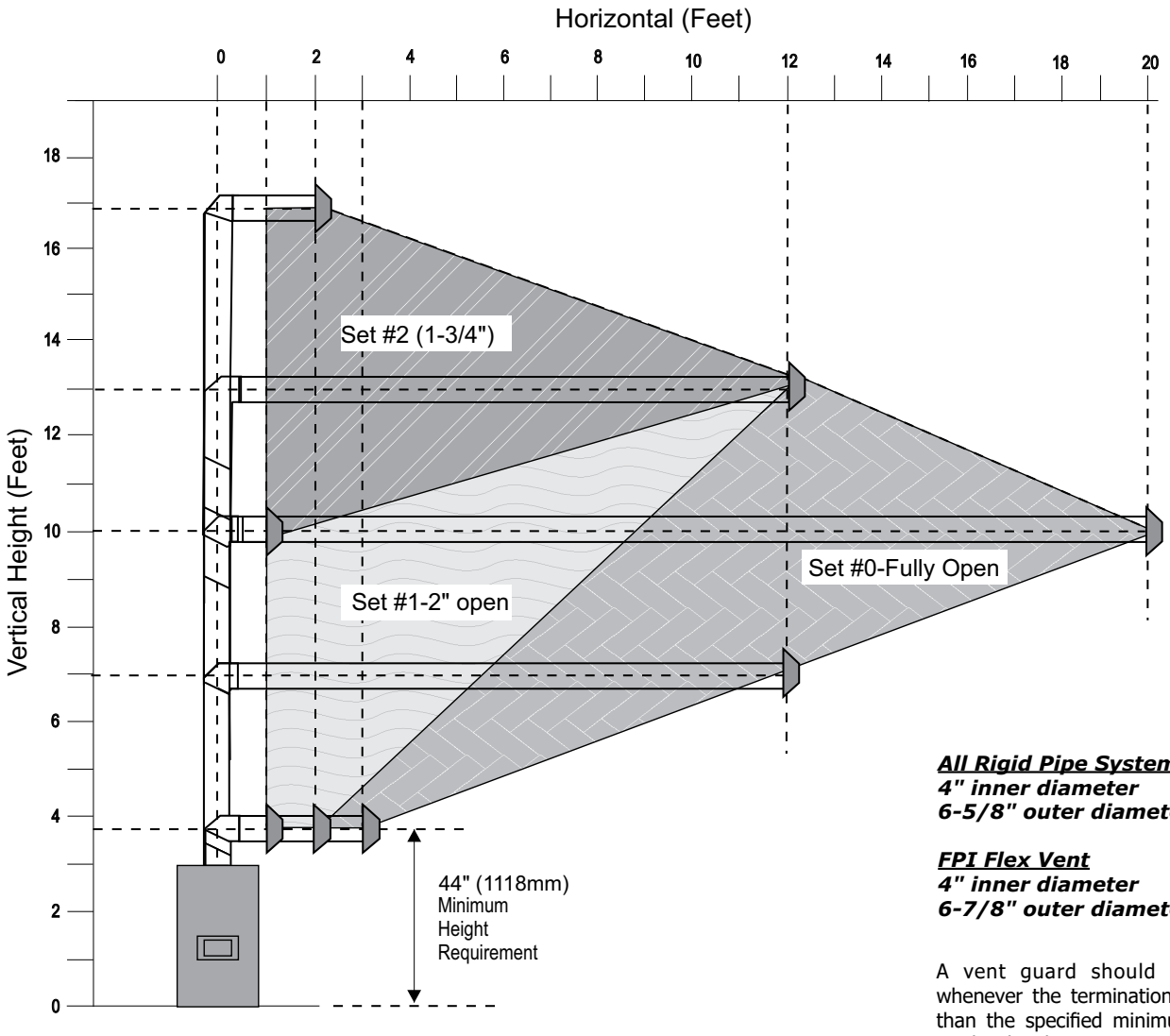
This product has been evaluated by Intertek for using a Rigid Pipe Adaptor in conjunction with DuraVent Direct Vent, Selkirk Direct-Temp, Ameri Vent Direct venting, Olympia Ventis DV and Security Secure Vent systems. Use of these systems with the Rigid Pipe Adaptor is deemed acceptable and does not affect the Intertek WHI listing of components.

The FPI AstroCap™ and FPI Riser Vent terminal are certified for installations using FPI venting systems as well as Simpson Dura-Vent® Direct Vent , American Metal Products, Olympia Ventis DV, Security Secure Vent®, AmeriVent Direct Vent. AstroCap™ is the proprietary trademark of FPI Fireplace Products International Ltd. Dura-Vent® and Direct Vent are registered and/or proprietary trademarks of Simpson Dura-Vent Co. Inc.

VENTING ARRANGEMENTS - HORIZONTAL TERMINATION - RIGID PIPE AND DIRECT VENT SYSTEM (FLEX) (PROPANE & NATURAL GAS)

The diagram shows all allowable combinations of vertical runs with horizontal terminations, using one 90° elbow (two 45° elbows equal one 90° elbow).

Note: Must use optional rigid pipe adaptor (Part # 510-994) when using Rigid Pipe venting systems.



All Rigid Pipe Systems
4" inner diameter
6-5/8" outer diameter

FPI Flex Vent
4" inner diameter
6-7/8" outer diameter

A vent guard should be used whenever the termination is lower than the specified minimum or as per local codes.

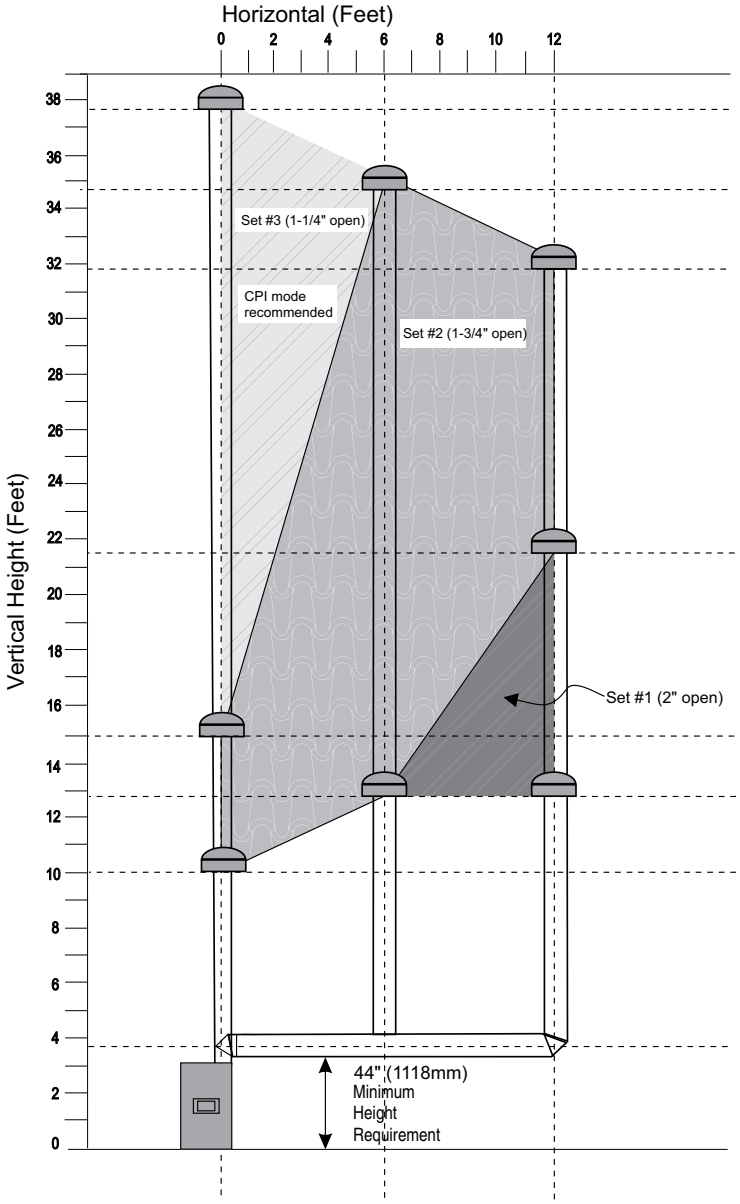
- Maintain clearances to combustibles.
- Horizontal vent must be supported every 3 feet.
- Firestops are required at each floor level and whenever passing through a wall.

Note: FPI Direct Vent Flex System Part #:946-513 (2 foot), 946-515 (4 foot)and 946-516 (10 foot) are only approved for horizontal terminations.

VENTING ARRANGEMENTS VERTICAL TERMINATION - RIGID PIPE SYSTEM AND VERTICAL FLEX KIT TO SAME LIMITATIONS

(Propane & Natural Gas)

The shaded area in the diagram shows all allowable combinations of straight vertical and offset to vertical terminations, using two 90° elbows, with rigid pipe vent systems for Propane and Natural Gas.

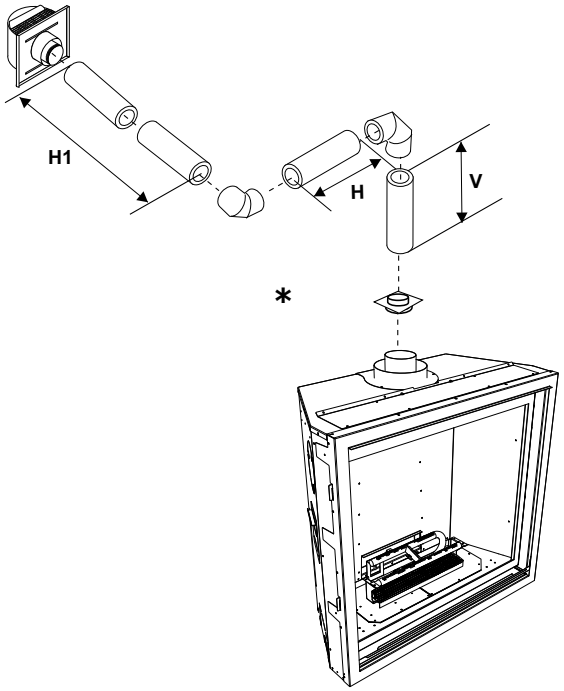


- Vent must be supported at offsets.
- Firestops are required at each floor level and whenever passing through a wall.
- Maintain clearances to combustibles.

Note: Must use optional rigid pipe adaptor when using rigid vent systems (Part # 510-994).

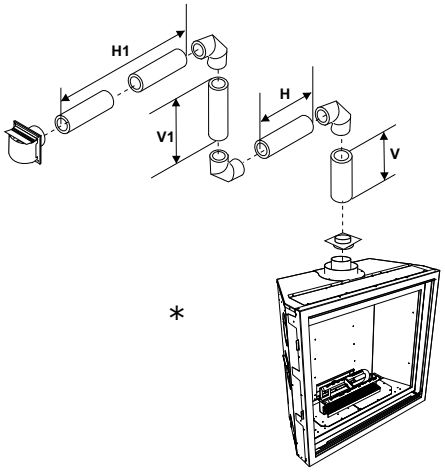
HORIZONTAL TERMINATIONS - TWO 90°ELBOWS

One 90° elbow = Two 45° elbows.			
Option	V	H + H1	With these options, maximum total pipe length is 30 feet (9.14 m) with minimum of 6 feet (1.82 m) total vertical and maximum 8 feet (2.44 m) total horizontal. Please note minimum 1 foot (0.3 m) between 90° elbows is required.
A)	0' Min.	2' (0.61 m) Max.	
B)	1' (0.3 m) Min.	3' (0.91 m) Max.	
C)	2' (0.61 m) Min.	4' (1.22 m) Max.	
D)	3' (0.91 mm) Min.	5' (1.52 m) Max.	
E)	4' (1.22 m) Min.	6' (1.82 m) Max.	
F)	5' (1.52 m) Min.	7' (2.13 m) Max.	
G)	6' (1.82 m) Min.	8' (2.44 m) Max	
Restrictor Set #1 - 2" (51 mm) open. Lengths do not include elbows indicated. *Required when using rigid venting.			

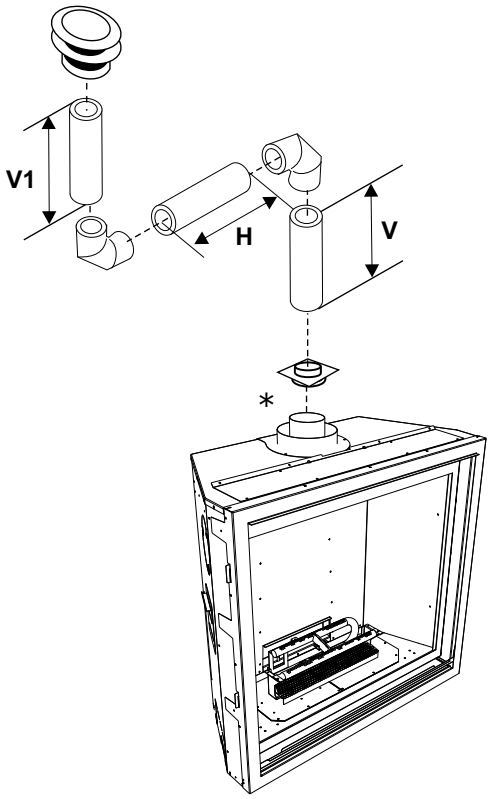


HORIZONTAL TERMINATIONS - THREE 90° ELBOWS

One 90° elbow = Two 45° elbows.					
Option	V	H	V + V1	H + H1	With these options, max. total pipe length is 30 feet (9.14 m) with min. of 12 feet (3.66 m) total vertical and max. 9 feet (2.79 m) total horizontal. Please note min. 1 foot (0,3 m) between 90° elbows is required.
A)	0' Min.	1' (0.3 m) Max.	1' (0.3 m) Min.	2' (0.61 m) Max.	
B)	1' (0.3 m) Min.	2' (0.61 m) Max.	3' (0.91 m) Min.	3' (0.91 m) Max.	
C)	2' (0.61 m) Min.	2' (0.61 m) Max.	5' (1.52 m) Min.	4' (1.22 m) Max.	
D)	3' (0.91 m) Min.	2' (0.61 m) Max.	7' (2.13 m) Min.	5' (1.52 m) Max.	
E)	4' (1.22 m) Min.	3 (0.91 m) Max.	9' (2.74 m) Min.	6' (1.82 m) Max.	
F)	5' (1.52 m) Min.	4' (1.22 m) Max.	10' (3.04 m) Min.	7' (2.13 m) Max.	
G)	6' (1.82 m) Min.	5' (152 m) Max.	11' (3.35 m) Min.	8' (2.44 m) Max.	
H)	7' (2.13 m) Min.	6' (1.82 m) Max.	12' (3.66 m) Min.	9' (2.74 m) Max.	
Restrictor Set #1 - 2" (51 mm) open. Lengths do not include elbows included. *Required when using rigid venting					

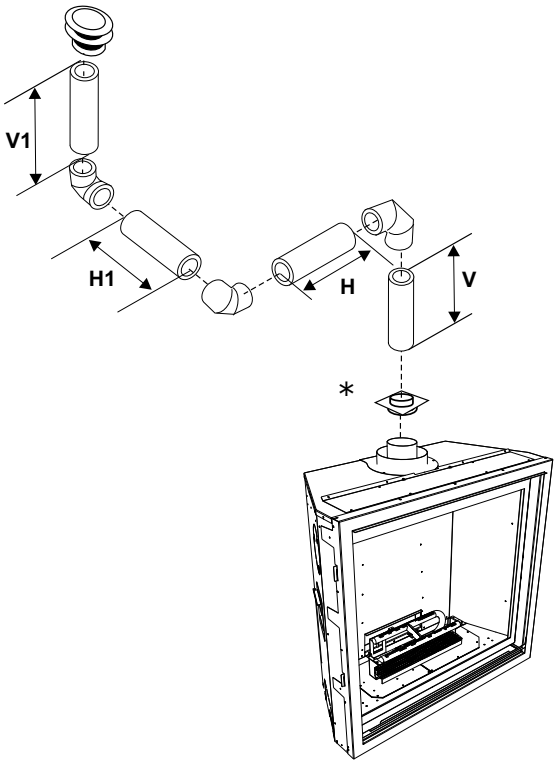


VERTICAL TERMINATIONS - VERTICAL VENTING WITH TWO 90° ELBOWS



One 90° elbow = Two 45° elbows.				
Option	**V**	**H**	**V + V1**	With these options, maximum total pipe length is 30 feet with minimum of 7 feet total vertical and maximum 8 feet total horizontal. ***Please note minimum 1 foot between 90° elbows is required.***
A)	0' Min.	2' Max.	1' Min.	
B)	1' Min.	4' Max.	3' Min.	
C)	2' Min.	5' Max.	4' Min.	
D)	3' Min.	6' Max.	5' Min.	
E)	4' Min.	7' Max.	6' Min.	
F)	5' Min.	8' Max.	7' Min.	
Lengths do not include elbow indicated. ***Required when using rigid venting**				

VERTICAL VENTING WITH THREE 90° ELBOWS



One 90° elbow = Two 45° elbows.				
Option	**V**	**H + H1**	**V + V1**	With these options, maximum total pipe length is 30 feet with minimum of 10 feet total vertical and maximum 8 feet total horizontal. ***Please note minimum 1 foot between 90° elbows is required.***
A)	0' Min.	2' Max.	2' Min.	
B)	1' Min.	2' Max.	3' Min.	
C)	2' Min.	3' Max.	4' Min.	
D)	3' Min.	4' Max.	6' Min.	
E)	4' Min.	5' Max.	7' Min.	
F)	5' Min.	6' Max.	8' Min.	
G)	6' Min.	7' Max.	9' Min.	
H)	7' Min.	8' Max.	10' Min.	
Lengths do not include elbow indicated. *Required when using rigid venting				

VENTING ARRANGEMENTS WITH CO-LINEAR FLEX SYSTEM INTO A MASONRY CHIMNEY

IMPORTANT: As shown below, the unit can only be vented from the top, not from the rear.

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

This appliance is designed to be attached to two 3" (76mm) co-linear aluminium flex running the full length of the chimney. See the Venting Arrangements on next page for minimum and maximum heights.

Required Parts:

Part #	Description
946-529	Co-linear DV Vertical Termination Cap
948-305	3" Flex - 35 ft.
946-563	Co-Axial to Co-Linear Adapter Kit which contains the following: Co-linear Flex Adapter Outer Pipe Inner Pipe Adapter
510-994	Rigid Pipe Adapter

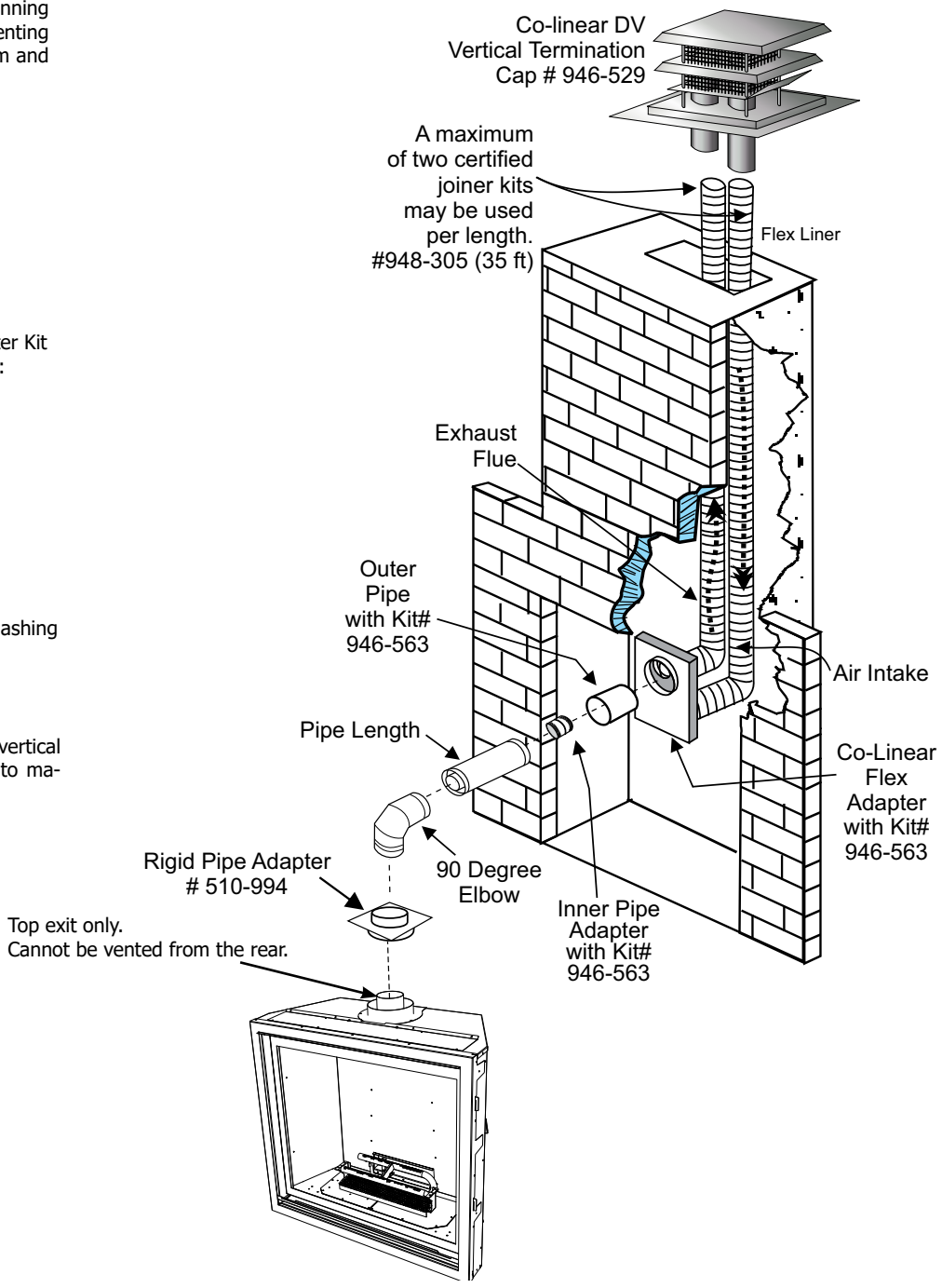
Alternate Approved Caps

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

NOTE:
See detailed venting arrangements, vertical terminations, co-linear flex system into masonry fireplaces in this manual.

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

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



VENTING ARRANGEMENT - VERTICAL TERMINATIONS - CO-LINEAR FLEX SYSTEM INTO MASONRY FIREPLACES

FOR BOTH RESIDENTIAL & MANUFACTURED HOMES

IMPORTANT: As shown below, the unit can only be vented from the top, not from the rear.

Restrictor at Set #1 (2" open)