

Installation Manual

Installation and Appliance Setup

CAUTION! Risk of Fire! DO NOT store instruction manuals inside fireplace cavity. High temperatures could cause a fire.

INSTALLER: Leave this manual with the appliance, not inside the appliance.

CONSUMER: Retain this manual for future reference. Do not store inside the appliance. Contact your dealer with questions regarding installation, operation or service.

NOTICE: DO NOT discard this manual!

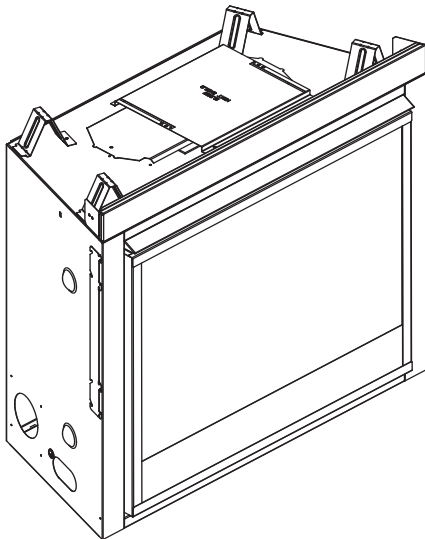

HEARTH & HOME
technologies™



Models:

B36S-AU

Ref No GMK10598
AS/NZS 5263.1.8



NOTE: NOT INTENDED FOR FIREPLACE INSERT. PRIMARILY A DECORATIVE AND NOT A HEATING APPLIANCE.

DO NOT PLACE ARTICLES ON OR AGAINST THIS APPLIANCE.
DO NOT USE OR STORE FLAMMABLE MATERIALS NEAR THIS APPLIANCE.
DO NOT SPRAY AEROSOLS IN THE VICINITY OF THIS APPLIANCE WHILE IT IS IN OPERATION.
DO NOT MODIFY THIS APPLIANCE.

⚠ WARNING:
FIRE OR EXPLOSION HAZARD
Failure to follow safety warnings exactly could result in serious injury, death, or property damage.

- **DO NOT** store or use gasoline or other flammable vapors and liquids in the vicinity of this or any other appliance.
- **What to do if you smell gas**
 - **DO NOT** try to light any appliance.
 - **DO NOT** touch any electrical switch. **DO NOT** use any phone in your building.
 - Leave the building immediately.
 - Immediately call your gas supplier from a neighbor's phone. Follow the gas supplier's instructions.
 - If you cannot reach your gas supplier, call the fire department.
- Installation and service must be performed by a qualified installer, service agency, or the gas supplier.

⚠ DANGER



HOT GLASS WILL CAUSE BURNS.

DO NOT TOUCH GLASS UNTIL COOLED.

NEVER ALLOW CHILDREN TO TOUCH GLASS.

A barrier designed to reduce the risk of burns from the hot viewing glass is provided with this appliance and shall be installed for the protection of children and other at-risk individuals.

▲ Safety Alert Key:

- **DANGER!** Indicates a hazardous situation which, if not avoided will result in death or serious injury.
- **WARNING!** Indicates a hazardous situation which, if not avoided could result in death or serious injury.
- **CAUTION!** Indicates a hazardous situation which, if not avoided, could result in minor or moderate injury.
- **NOTICE:** Used to address practices not related to personal injury.

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→ = Contains updated information.


Installation Standard Work Checklist

ATTENTION INSTALLER: Follow this Standard Work Checklist

This standard work checklist is to be used by the installer in conjunction with, not instead of, the instructions contained in this installation manual.

Customer: _____
Lot/Address: _____
Model (circle one): B36S-AU

Date Installed: _____
Location of Fireplace: _____
Installer: _____
Dealer/Distributor Phone # _____
Serial #: _____

 **WARNING! Risk of Fire or Explosion!** Failure to install appliance according to these instructions could lead to a fire or explosion. Install ONLY components and accessories approved by Hearth & Home Technologies. Unapproved components and accessories could cause fireplace to overheat

<u>Appliance Install</u>	YES	IF NO, WHY?
Verified that the chase is insulated and sealed. (Pg. 12)	<input type="checkbox"/>	_____
Verified clearances to combustibles. (Section 3)	<input type="checkbox"/>	_____
Fireplace is leveled and secured. (Pg. 35)	<input type="checkbox"/>	_____
<u>Venting/Chimney Section 7 (Pg. 36-42)</u>		
Venting configuration complies to vent diagrams.	<input type="checkbox"/>	_____
Venting installed, locked and secured in place with proper clearance.	<input type="checkbox"/>	_____
Firestops installed.	<input type="checkbox"/>	_____
Attic insulation shield installed.	<input type="checkbox"/>	_____
Exterior wall/Roof flashing installed and sealed.	<input type="checkbox"/>	_____
Terminations installed and sealed.	<input type="checkbox"/>	_____
<u>Electrical Section 8 (Pg. 43-44)</u>		
Unswitched power (110-120 VAC) provided to the appliance.	<input type="checkbox"/>	_____
Switch wires properly installed.	<input type="checkbox"/>	_____
<u>Gas Section 9 (Pg. 45-46)</u>		
Proper appliance for fuel type.	<input type="checkbox"/>	_____
Was a conversion performed?	<input type="checkbox"/>	_____
Leak check performed and inlet pressure verified.	<input type="checkbox"/>	_____
Verified proper air shutter setting for installation type.	<input type="checkbox"/>	_____
<u>Finishing Section 10 (Pg. 47-49)</u>		
Combustible materials not installed in non-combustible areas.	<input type="checkbox"/>	_____
Verified all clearances meet installation manual requirements.	<input type="checkbox"/>	_____
Mantels and wall projections comply with installation manual requirements.	<input type="checkbox"/>	_____
<u>Appliance Setup Section 11 (Pg. 50-54)</u>		
All packaging and protective materials removed (inside & outside of appliance).	<input type="checkbox"/>	_____
Refractories, logs, media and embers installed correctly.	<input type="checkbox"/>	_____
Glass assembly installed and secured.	<input type="checkbox"/>	_____
Accessories installed properly.	<input type="checkbox"/>	_____
Mesh, doors, or decorative barrier front properly installed.	<input type="checkbox"/>	_____
Manual bag and all of its contents are removed from inside/under the appliance and given to party responsible for use and operation.	<input type="checkbox"/>	_____
Started appliance and verified no gas leaks exist.	<input type="checkbox"/>	_____

Hearth & Home Technologies recommends the following:

- Photographing the installation and copying this checklist for your file.
- That this checklist remain visible at all times on the appliance until the installation is complete.

Comments: Further description of the issues, who is responsible (Installer/ Builder/ Other Trades, etc) and corrective action needed _____

Comments Communicated to party responsible _____ by _____ on _____
 (Builder / Gen. Contractor/) (Installer) (Date)

➔ = Contains updated information.

2563-980 10/19

1 Product Specific and Important Safety Information

A. Appliance Certification

MODELS: B36S-AU

LABORATORY: IAPMO OCEANA

TYPE: Type 2 Decorative Effect Gas Appliance

STANDARD: AS/NZS 5263.1.8

PRIMARILY A DECORATIVE AND NOT A HEATING APPLIANCE.

This appliance must be installed in accordance with the AS/NZS 5601.1 rules in force.

B. Glass Specifications

Hearth & Home Technologies appliances manufactured with tempered glass may be installed in hazardous locations such as bathtub enclosures as defined by the Consumer Product Safety Commission (CPSC). The tempered glass has been tested and certified to the requirements of **ANSI Z97.1** and **CPSC 16 CFR 1202** (Safety Glazing Certification Council **SGCC# 1595** and **1597**. Architectural Testing, Inc. Reports **02-31919.01** and **02-31917.01**).

C. Gas Pressure Requirements

Pressure requirements for B36S-AU appliances are shown in table below.

Two taps are provided on the gas control for a test gauge connection to measure the inlet and outlet pressures.

The appliance and its individual shut-off valve must be disconnected from the gas supply piping system during any pressure testing of the system at test pressures in excess of 3.4 kPa.

If the appliance must be isolated from the gas supply piping system by closing an individual shut-off valve, it must be of the handle-less type.

NOTE: An inline fuel pressure regulator is recommended to limit NG inlet pressure to 2.49 kPa, and Propane inlet pressure to 3.25 kPa, to ensure optimum product performance. The inline fuel pressure regulator may be needed if any of the following symptoms exist: pilot jetting, a highly visible pilot flame, flame variation, etc. The inline pressure regulator should be installed in the gas line upstream of the appliance gas valve either at the appliance or in the utility room. Final main and manifold gas pressure must be tested with inline pressure regulator installed.

	B36S-AU	
	NATURAL GAS	PROPANE
Inlet Gas Pressure	1.13 - 3.40 kPa	2.75 - 3.40 kPa
* Outlet (Manifold) Gas Pressure	.77 kPa	2.43 kPa
Max. Gas Consumption	19.5 MJ/h	20.5 MJ/h
Min. Gas Consumption	14.2 MJ/h	16.5 MJ/h
Burner Injector DMS (mm)	#45 (2.08 mm)	#55 (1.32 mm)
Pilot Injector	.023 in. (.584 mm)	.014 in. (.356 mm)

* The allowable Outlet (Manifold) Gas Pressure ranges are: Natural Gas 0.63 - .95 kPa (0.77 kPa nominal) and Propane 2.37 - 2.61 kPa (2.43 kPa nominal). Certification testing setpoint values are shown.

NOTE: The gas control valve supplied with this product is approved for a maximum inlet pressure of **3.40 kPa**. For pressures over **3.40 kPa**, an in line pressure regulator must be installed upstream from the gas control valve.

NOTE: To achieve the listed nominal gas consumption for natural gas appliances in areas of reduced inlet pressure (1.13 - 1.30 kPa) it may be necessary to remove the gas shut-off valve and flexible gas line assembly up stream of the gas valve and supply directly into the gas valve. If the provided assembly is removed, it is recommended that a new gas shut-off be installed inside the envelope of the appliance before the gas valve.

D. High Altitude Installations

NOTICE: *If the heating value of the gas has been reduced, these rules do not apply. Check with your local gas utility or authorities having jurisdiction.*

When installing above 2000 ft. (610 m) elevation:

Reduce input rate 4% for each 1000 ft. (305 m) above 2000 ft. (610 m).

E. Non-Combustible Materials Specification

Material which will not ignite and burn. Such materials are those consisting entirely of steel, iron, brick, tile, concrete, slate, glass or plasters, or any combination thereof.

Materials that are reported as passing **ASTM E 136, Standard Test Method for Behavior of Materials in a Vertical Tube Furnace at 750 °C** shall be considered non-combustible materials.

F. Combustible Materials Specification

Materials made of or surfaced with wood, compressed paper, plant fibers, plastics, or other material that can ignite and burn, whether flame proofed or not, or plastered or unplastered shall be considered combustible materials.

G. Electrical Codes

All electrical safety testing has been done following the IEC/EN 60335-2-102 standard. Local codes apply.

2 Getting Started

A. Design and Installation Considerations

Hearth & Home Technologies direct vent gas appliances are designed to operate with all combustion air siphoned from outside of the building and all exhaust gases expelled to the outside. No additional outside air source is required.

This appliance must be installed in accordance with the AS/NZS 5601.1 rules in force. Consult insurance carrier, local building inspector, fire officials or authorities having jurisdiction over restrictions, installation inspection and permits.

Before installing, determine the following:

- Where the appliance is to be installed.
- The vent system configuration to be used.
- Gas supply piping requirements.
- Provisions for optional heat management system.
- Electrical wiring requirements.
- Framing and finishing details.
- Whether optional accessories - devices such as a wall switch, or remote control - are desired.

Installation and service of this appliance should be performed by qualified personnel. Hearth & Home Technologies recommends HHT Factory Trained or certified professionals.



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.

B. Good Faith Wall Surface/TV Guidelines

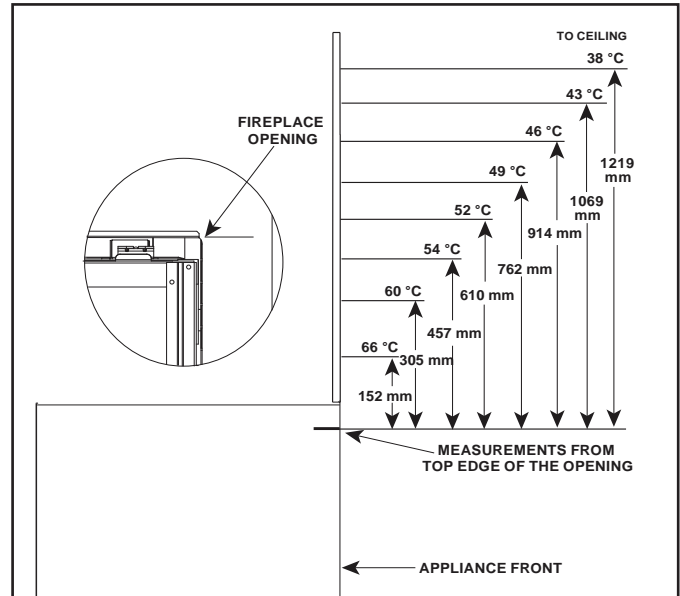


Figure 2.1 Good Faith Wall Surface Temperatures Above Appliance

NOTICE: Surface temperatures listed above are taken with a temperature measuring probe as prescribed by the test standard used for appliance certification. Temperatures on walls or mantels taken with an infrared thermometer may yield increased temperatures of up to 30 °F (17 °C) or more depending on the thermometer settings and material characteristics being measured. Use appropriate finishing materials that are able to withstand these conditions. For additional finishing guidelines, see Section 10.

C. Tools and Supplies Needed

Before beginning the installation be sure that the following tools and building supplies are available.

- | | |
|--|---|
| Hand Tools | Tape measure |
| Level | Framing material |
| Manometer | Framing square |
| Voltmeter | Electric drill and bits -1/4 in. (6 mm) |
| Plumb line | Safety glasses/gloves |
| Wrenches | Reciprocating saw |
| 1/4 in. nut driver | |
| Non-corrosive leak check solution | |
| 1/2 - 3/4 in. (13 - 19 mm) length, #6 or #8 Self-drilling screws | |
| Caulking material (300 °F (149 °C) minimum continuous exposure rating) | |

D. Inspect Appliance and Components

- Carefully remove the appliance and components from the packaging.
- The vent system components and decorative barrier fronts may be shipped in separate packages.
- If packaged separately, the log set and appliance grate must be installed.
- Report to your dealer any parts damaged in shipment, particularly the condition of the glass.

WARNING! Risk of Fire or Explosion! Damaged parts could impair safe operation. **DO NOT** install damaged, incomplete or substitute components. Keep appliance dry.

Hearth & Home Technologies disclaims any responsibility for, and the warranty will be voided by, the following actions:

- Installation and use of any damaged appliance or vent system component.
- Modification of the appliance or vent system.
- Installation other than as instructed by Hearth & Home Technologies.
- Improper positioning of the gas logs or the glass door.
- Installation and/or use of any component part not approved by Hearth & Home Technologies.

Any such action may cause a fire hazard.

3 Framing and Clearances

A. Appliance/Decorative Front Dimension Diagrams

Dimensions are actual appliance dimensions. Use for reference only. For framing dimensions and clearances refer to Section 5.

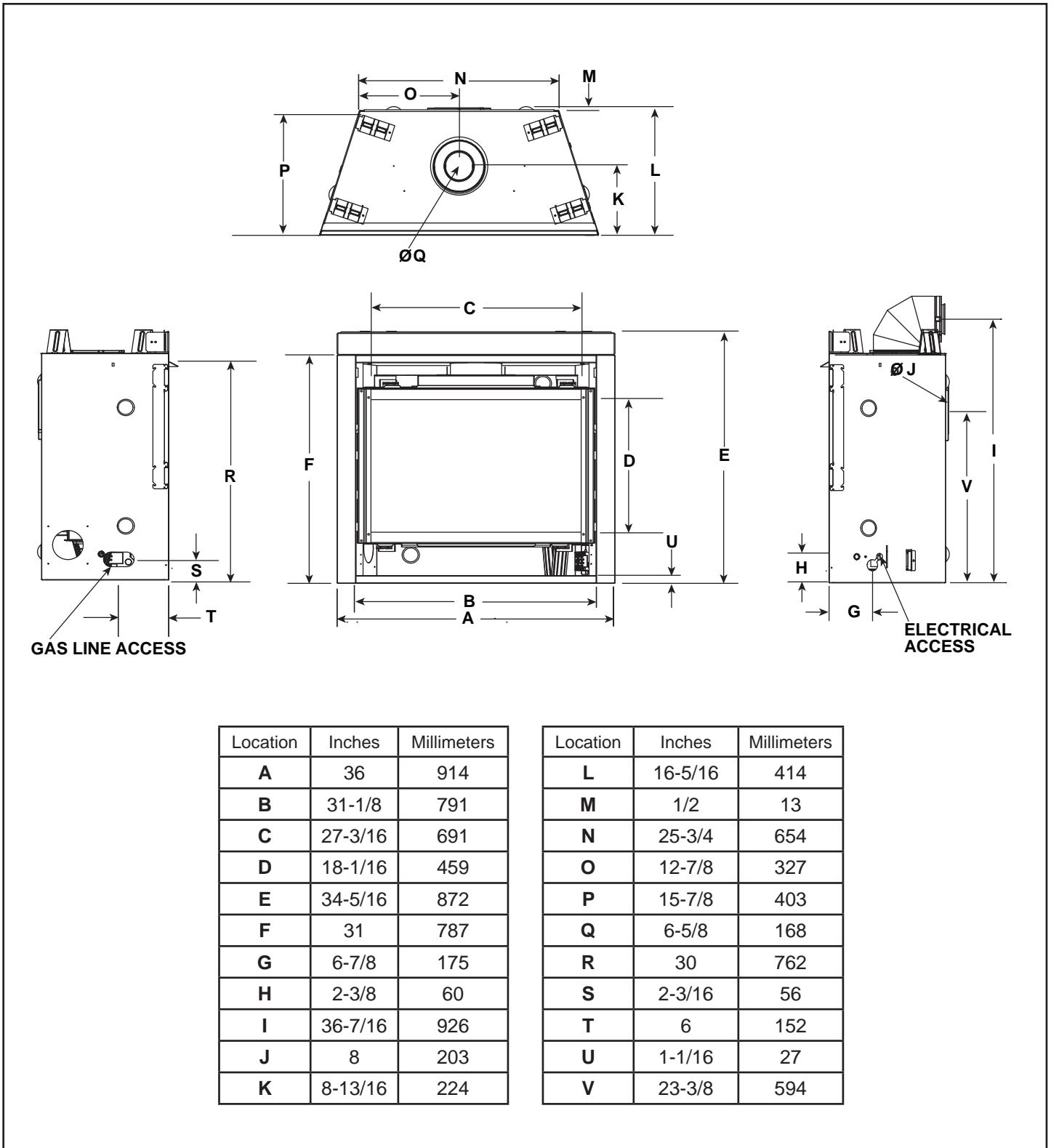


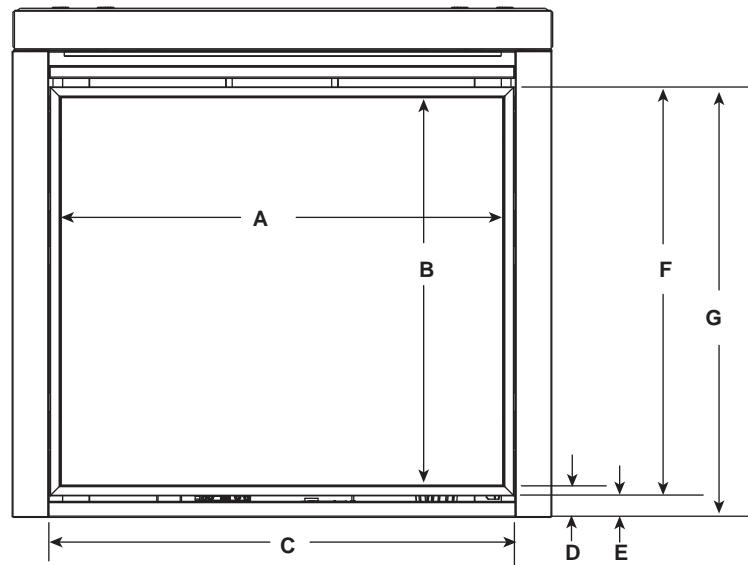
Figure 3.1 Appliance Dimensions

DECORATIVE BARRIER FRONT

IMPORTANT! This fireplace requires an installed decorative barrier front to prevent direct contact with the hot viewing glass. **DO NOT** operate the fireplace with the barrier removed.

Decorative barrier front must be ordered at time of fireplace purchase. If decorative barrier front is not present, contact dealer.

Note: See Section 10 for mantel and finishing requirements.



		A	B	C	D	E	F	G
SRV2496-021	in.	28-7/8	25-1/8	31	2-5/8	1-5/8	27-1/8	28-3/4
	mm	733	638	787	67	41	689	730

Figure 3.2 Decorative Front Dimensions

B. Appliance Location and Clearances to Combustibles

When selecting a location for the appliance it is important to consider the required clearances to walls and allow sufficient clearance for heat management systems venting. See Figure 3.3 and Figure 3.4.

WARNING! Risk of Fire or Burns! Provide adequate clearance around air openings and for service access. Due to high temperatures, the appliance should be located out of traffic and away from furniture and draperies.

NOTICE: Illustrations reflect typical installations and are FOR DESIGN PURPOSES ONLY. Illustrations/diagrams are not drawn to scale. Actual installation may vary due to individual design preference.

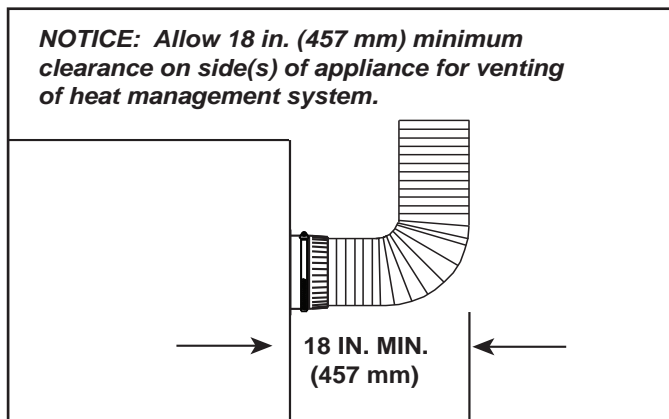


Figure 3.4 Clearance for Heat Management System

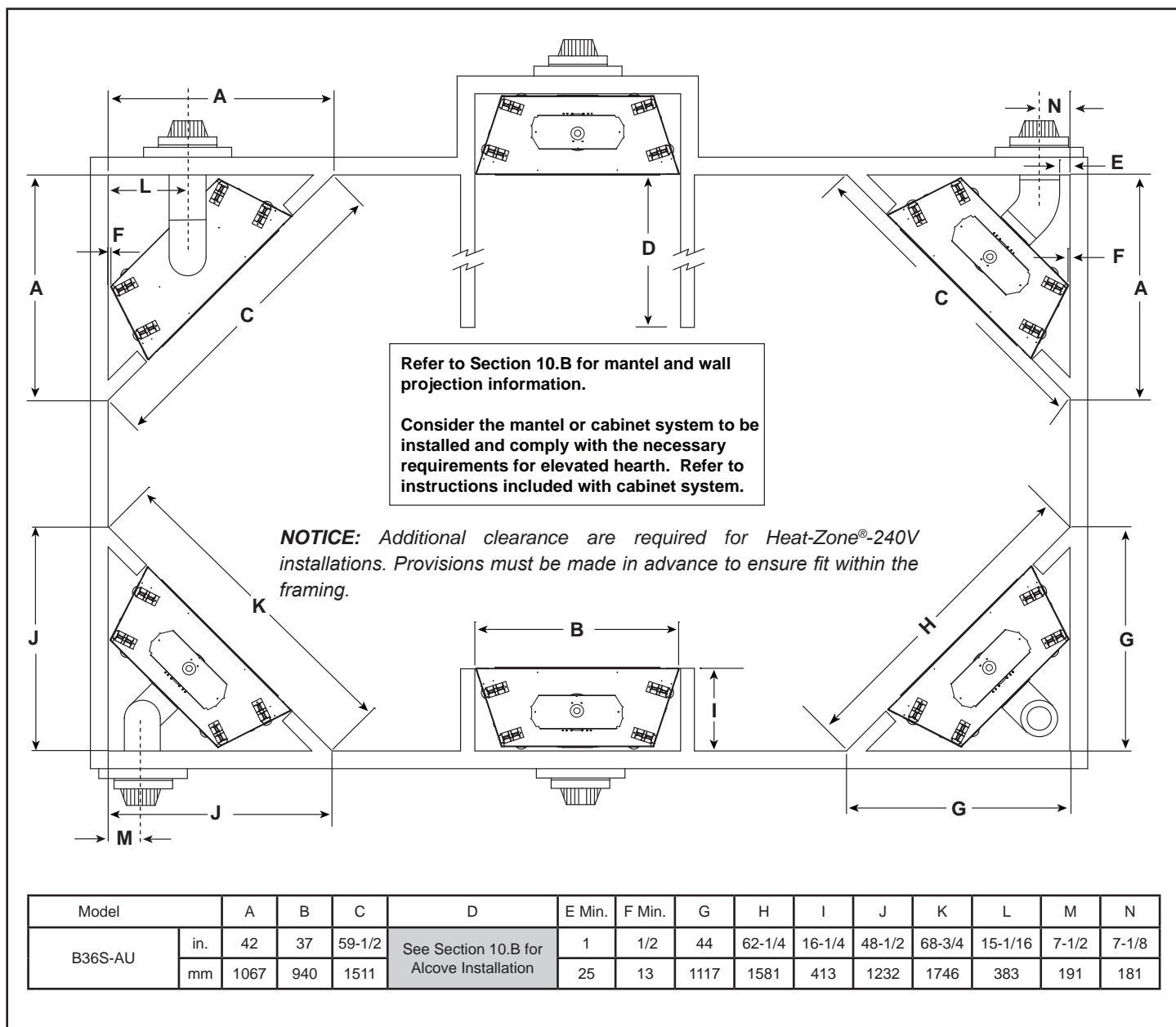
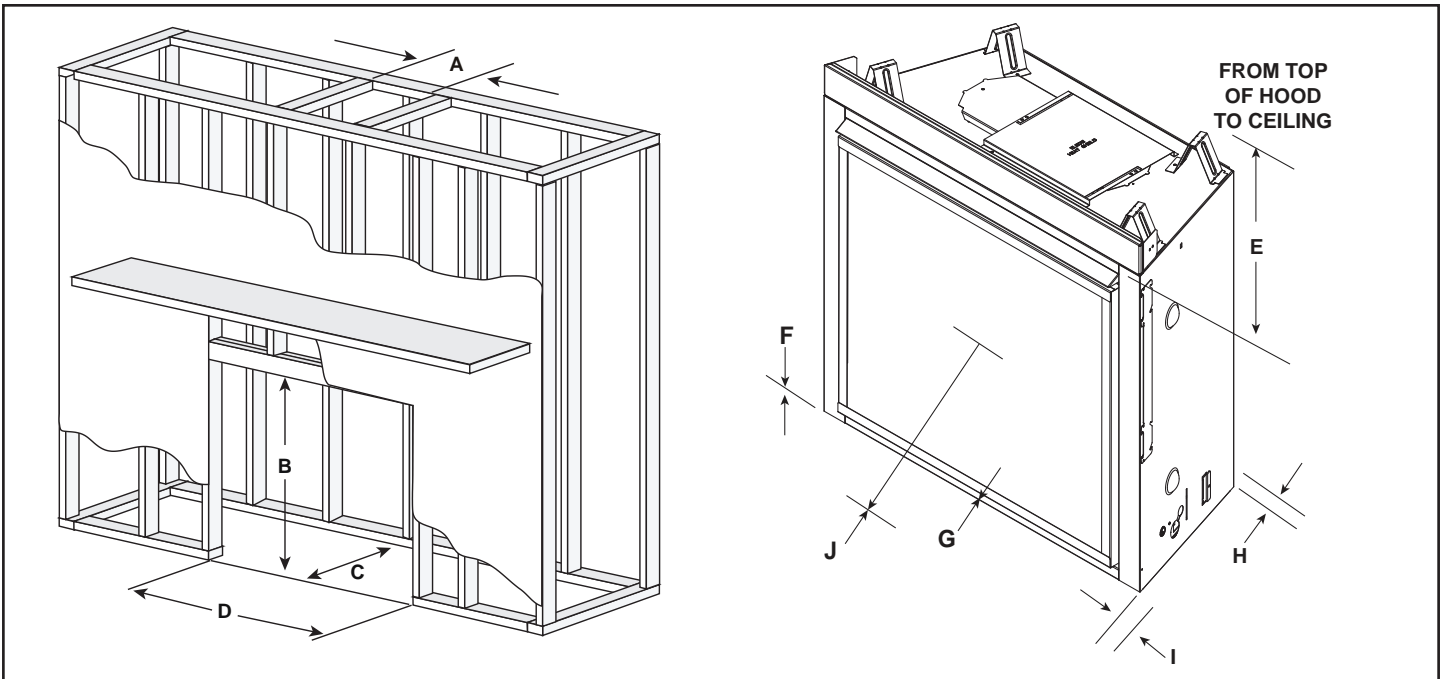


Figure 3.3 Appliance Locations



MINIMUM FRAMING DIMENSIONS*													
Models		A		B	C		D	E	F	G	H	I	J
		DVP Pipe	SLP Pipe	Rough Opening (Height)	**DVP Pipe	SLP Pipe	Rough Opening (Width)	Clearance to Ceiling	Combustible Floor	Combustible Flooring	Behind Appliance	Sides of Appliance	Front of Appliance
		Rough Opening (Width)	Rough Opening (Width)		Rough Opening (Depth)	Rough Opening (Depth)							
B36S-AU	in.	10	8-5/8	34-3/4	16-1/4	16-1/4	37	32	0	0	1/2	1/2	36
	mm	254	219	883	413	413	940	813	0	0	13	13	914

* Adjust framing dimensions for interior sheathing (such as sheetrock)
 C** Add 12 inches for rear venting with one 90° elbow.

Figure 3.5 Clearances to Combustibles

C. Constructing the Appliance Chase

NOTICE: Install appliance on hard metal or wood surfaces extending full width and depth. **DO NOT** install directly on carpeting, vinyl, or any combustible material other than wood.

WARNING! Risk of Fire! Maintain specified air space clearances to appliance and vent pipe:

- Insulation and other materials must be secured to prevent accidental contact.
- The chase must be properly blocked to prevent blown insulation or other combustibles from entering and making contact with fireplace or chimney.
- Failure to maintain airspace may cause overheating and a fire.

A chase is a vertical box-like structure built to enclose the gas appliance and/or its vent system. In cooler climates the vent should be enclosed inside the chase.

NOTICE: Treatment of ceiling firestops and wall shield firestops and construction of the chase may vary with the type of building. These instructions are not substitutes for the requirements of local building codes. Therefore, you **MUST** check local building codes to determine the requirements to these steps.

NOTICE: When installing a sprinkler head in a fireplace chase, it is recommended to use a sprinkler head with a sprinkler activation temperature classified as Extra High. Keep sprinkler head away from vent and chimney.

Chases should be constructed and insulated in the same manner as the thermal envelope of the home based on the code requirements for that climate zone to prevent air leakage and draft problems. The chase is an extension of the building thermal envelope.

To further prevent drafts and air leakage, the wall shield and ceiling firestops should be sealed with caulk with a minimum of 300 °F (149 °C) continuous exposure rating to seal gaps. Gas line holes and other openings should be sealed with caulk with a minimum of 300 °F (149 °C) continuous exposure rating or stuffed with unfaced insulation. If the appliance is being installed on a cement surface, a layer of plywood may be placed underneath to prevent conducting cold up into the room.

D. Floor Protection

NOTICE: Install appliance on hard metal or wood surfaces extending full width and depth. **DO NOT** install directly on carpeting, vinyl, tile or any combustible material other than wood.

WARNING! Risk of Fire! Maintain specified air space clearances to appliance and vent pipe:

- Insulation and other materials must be secured to prevent accidental contact.
- The chase must be properly blocked to prevent blown insulation or other combustibles from entering and making contact with appliance or chimney.
- Failure to maintain airspace may cause overheating and a fire.

4 Termination Location and Vent Information

A. Vent Termination Minimum Clearances

WARNING

Fire Risk.
Maintain vent clearance to combustibles as specified.

- DO NOT** pack air space with insulation or other materials.

Failure to keep insulation or other materials away from vent pipe could cause overheating and fire.

Angle	H (Min.) mm
0°-26.6°	500*
26.6°-30.3°	500*
30.3°-33.7°	500*
33.7°-36.9°	610*
36.9°-39.8°	760*
39.8°-42.5°	990
42.5°-45.0°	1220
45.0°-49.4°	1520
49.4°-53.1°	1830
53.1°-56.3°	2130
56.3°-59.0°	2290
59.0°-60.3°	2440

* H minimum may vary depending on regional snowfall. Refer to local codes.

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

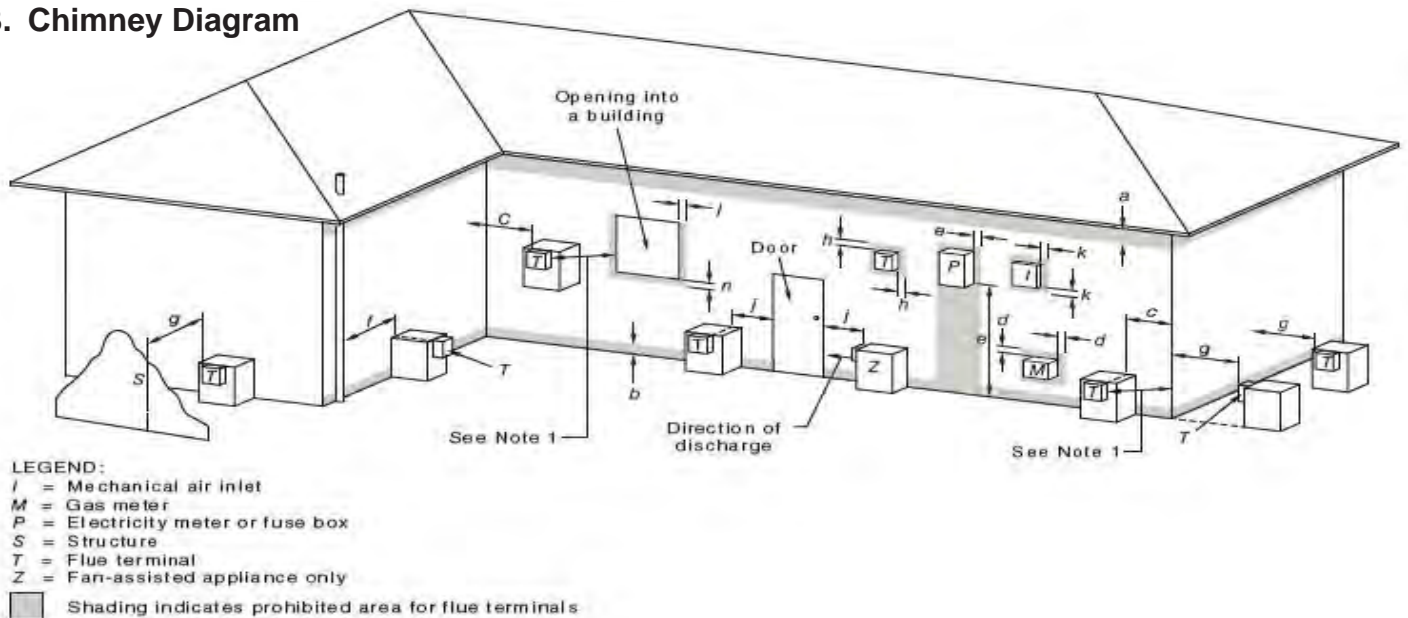
* If using decorative cap cover(s), this distance may need to be increased. Refer to the installation instructions supplied with the decorative cap cover.

** If two gas terminations are present, they may be level (B = 0 in. (0 mm)) provided A is a minimum of 6 in. (152 mm).

Figure 4.2 Staggered Termination Caps

Figure 4.1 Minimum Height From Roof To Lowest Discharge Opening

B. Chimney Diagram



Ref.	Item	Minimum Clearance (mm)	
		Natural Draft	Fan Assisted
a	Below eaves, balconies or other projections		
	Appliances up to 50 MJ/h input	300	200
	Appliances over to 50 MJ/h input	500	300
b	From the ground or above a balcony		
	Appliances 32 MJ/h and below	300	355
	Appliances from 32 MJ/h to 53 MJ/h	300	410
	Appliances 53 MJ/h and above	300	460
c	From a return wall or external corner	500	300
d	From a gas meter (M)	1000	1000
e	From an electricity meter or fuse box (P)	500	500
f	From a drain or soil pipe	150	75
g	Horizontally from any building structure (unless appliance approved for closer installation) or obstruction facing a terminal	500	500
h	From any other flue terminal, cowl, or combustion air intake	500	300
j	Horizontally from an openable window, door, non-mechanical air inlet, or any other opening into a building, with the exception of sub-floor ventilation		
	Appliances up to 150 MJ/h input	500	300
	All fan assisted appliances in the direction of discharge	-	1500
k	From a mechanical air inlet, including a spa fan	1500	1000
n	Vertically below an openable window, non-mechanical air inlet or any other opening into a building, with the exception of See table sub-floor ventilation		
	For space heaters up to 50 MJ/h input	150	150
	For other appliances up to 50 MJ/h input	500	500
	For appliances over 50 MJ/h input and up to 150 MJ/h	1000	1000
	For appliances over 150 MJ/h input	1500	1500

- NOTES:**
- All distances are measured vertically or horizontally along the wall to a point in line with the nearest part of the terminal.
 - Prohibited area below electricity meter or fuse box extends to ground level.
 - Flue terminal under covered area:
 - The covered area or recess shall be open on at least two sides.
 - Fan assisted flue appliance shall have at least one side open and the terminal shall be within 500 mm of the opening and discharging in the direction of the opening.
 - Clearance from a flue terminal to a LP cylinder shall be a minimum of 1 meter.

MINIMUM CLEARANCES REQUIRED FOR BALANCED FLUE TERMINALS OR THE FLUE TERMINALS OF OUTDOOR APPLIANCES

Figure 4.3 Minimum Clearances for Termination

C. Approved Pipe

Approved Pipe - Rigid

This appliance is approved for use with Hearth & Home Technologies DVP or SLP venting systems. Refer to Section 12.A for vent component information and dimensions.

DO NOT mix pipe, fittings or joining methods from different manufacturers.

The pipe is tested to be run inside an enclosed wall. There is no requirement for inspection openings at each joint within the wall.

WARNING! Risk of Fire or Asphyxiation. This appliance requires a separate vent. **DO NOT** vent to a pipe serving a separate solid fuel burning appliance.

D. Use of Elbows

Diagonal runs have both vertical and horizontal vent aspects when calculating the effects. Use the rise for the vertical aspect and the run for the horizontal aspect. See Figure 4.4.

Two 45° elbows may be used in place of one 90° elbow. On 45° runs, one foot of diagonal is equal to 8-1/2 in. (216 mm) horizontal run and 8-1/2 in. (216 mm) vertical run. A length of straight pipe is allowed between two 45° elbows. See Figure 4.4.

Figure 4.5 shows the vertical and horizontal offsets for DVP or SLP elbows.

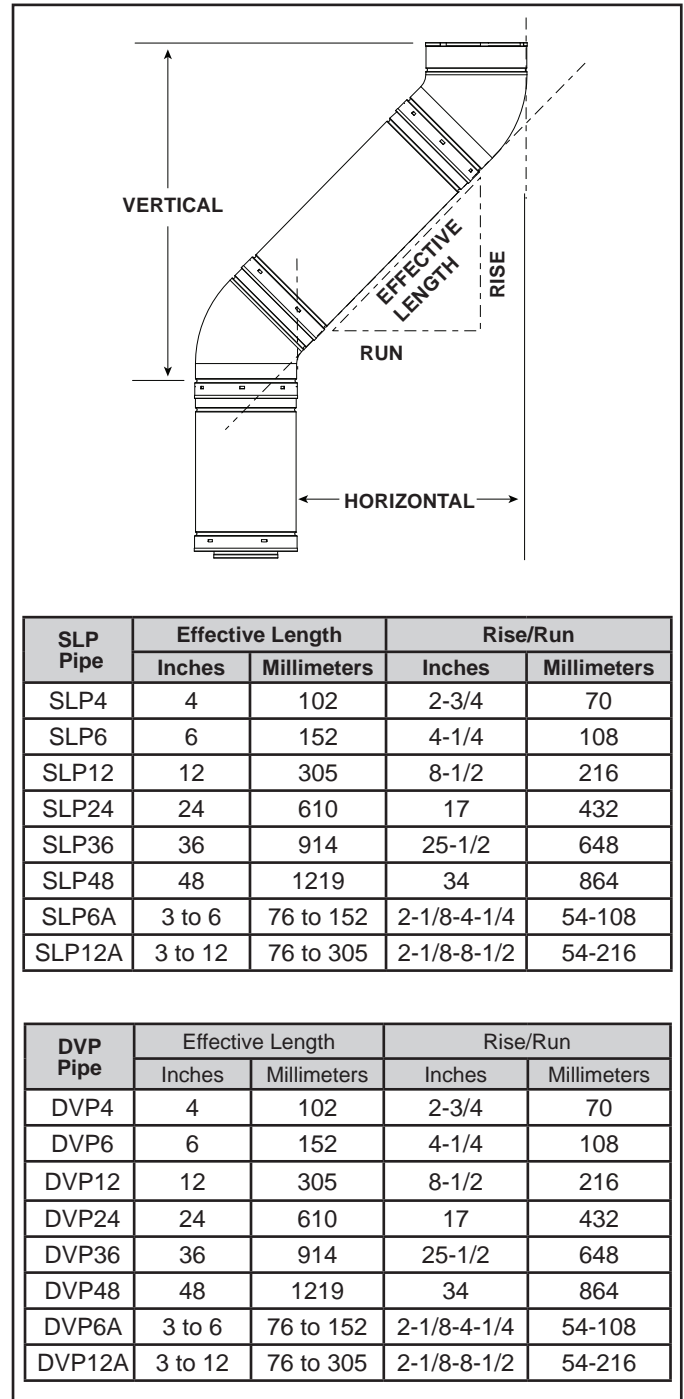


Figure 4.4

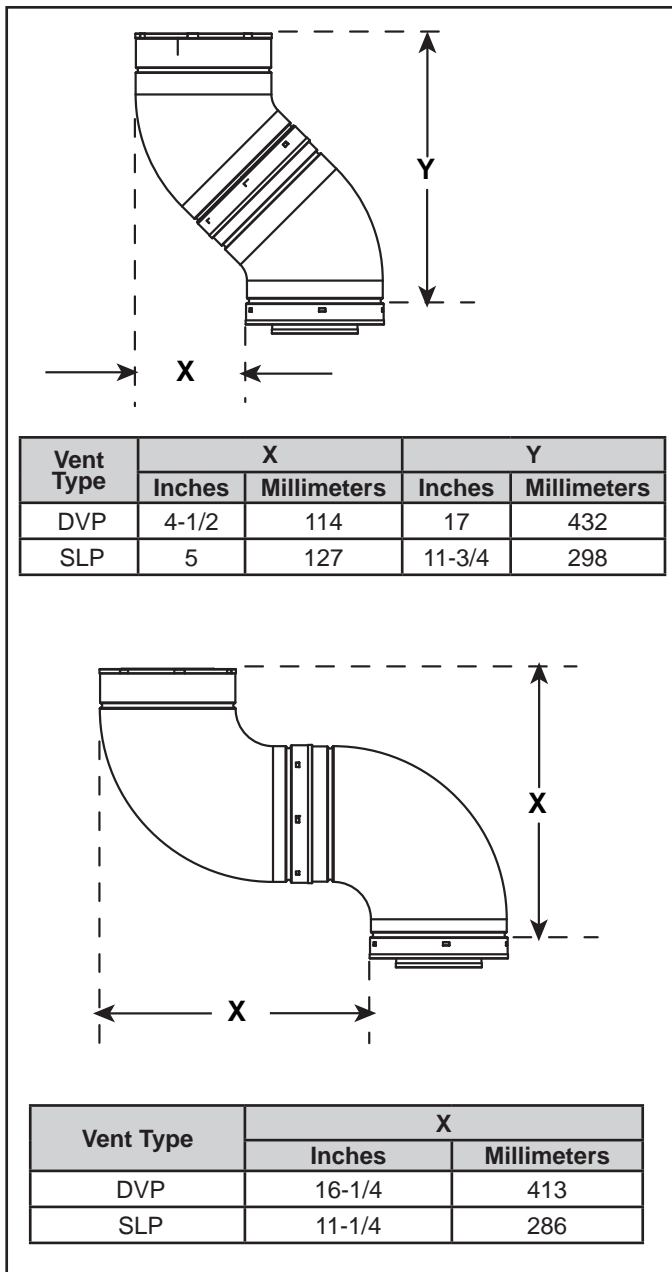


Figure 4.5 Vertical and Horizontal Offset for DVP and SLP Elbows

E. Vent Diagrams

General Rules:

- SUBTRACT 3 ft. (914 mm) from the total H measurement for each 90° elbow installed horizontally.
- SUBTRACT 1-1/2 ft. (457 mm) from the total H measurement for each 45° elbow installed horizontally.
- **Rear Vented:** A maximum of three 90° elbows (or six 45° elbows) may be used in any vent configuration. Some elbows may be installed horizontally. See Figure 4.23 and 4.25.
- **Top Vented:** A maximum of four 90° elbows (or eight 45° elbows) may be used in any vent configuration. Some elbows may be installed horizontally. See Figure 4.16.
- Elbows may be placed back to back anywhere in the system.
- Any 90° elbow may be replaced with two back to back 45° elbows.
- When penetrating a combustable wall, a wall shield firestop must be installed.
- When penetrating a combustable ceiling, a ceiling firestop must be installed.
- Horizontal runs of vent do not require vertical rise; horizontal runs may be level.
- Horizontal termination cap should have a 1/4 in. (6 mm) downward slant to allow any moisture in cap to be released. See Figure 4.6.

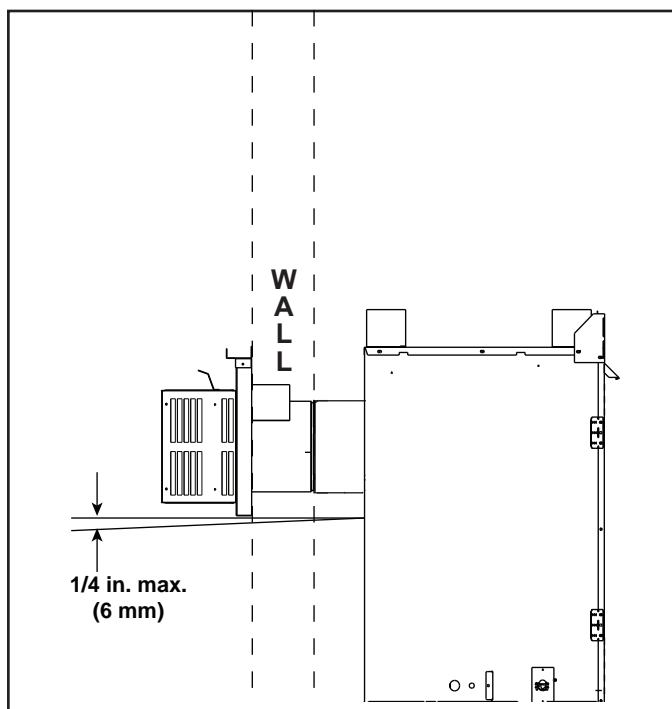


Figure 4.6 Vent Cap - Generic Appliance Shown

F. Measuring Standards

Vertical and horizontal measurements listed in the vent diagrams were made using the following standards:

- Pipe measurements are shown using the effective length of pipe. See Section 12.A for information on effective length of pipe components.
- Horizontal terminations are measured to the outside mounting surface (flange of termination cap). See Figure 4.7.
- Vertical terminations are measured to top of last section of pipe. See Figure 4.8.
- Horizontal pipe installed level with no rise.

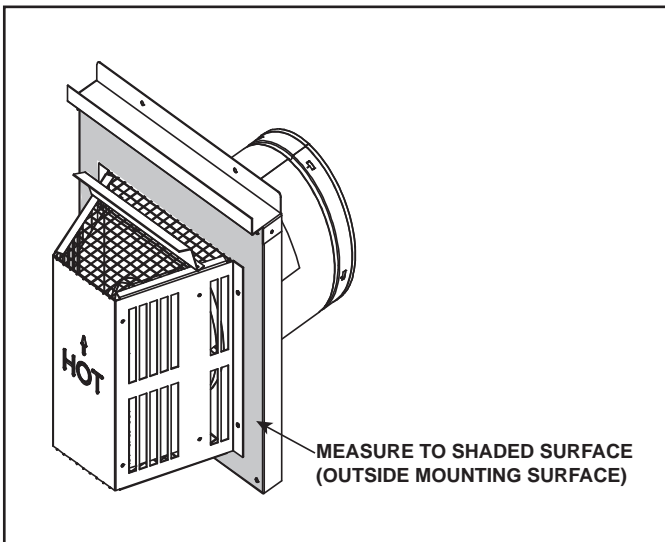


Figure 4.7 Measure to Outside Mounting Surface

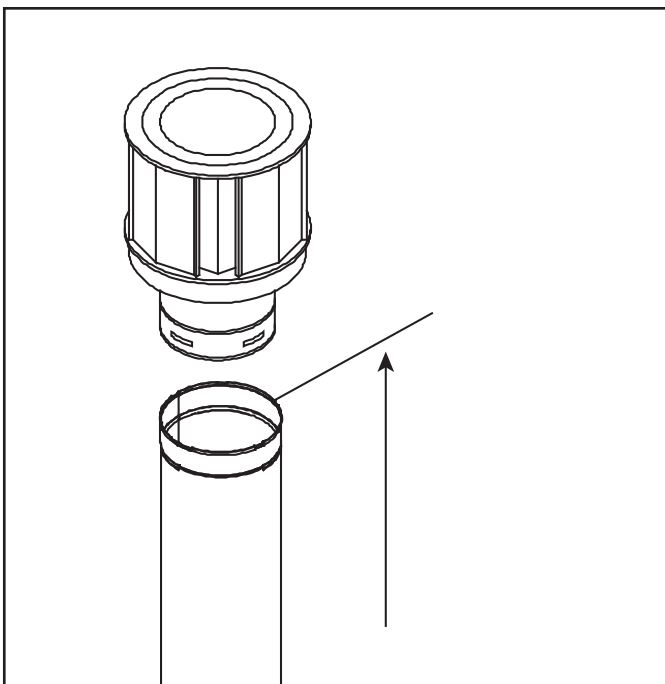


Figure 4.8. Measure to Top of Last Section of Pipe

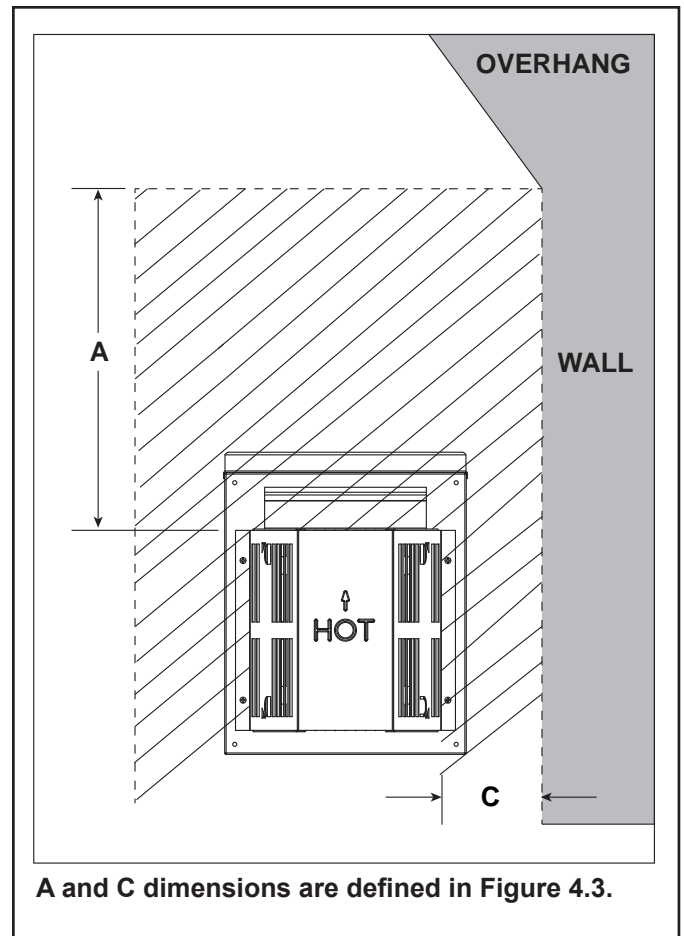


Figure 4.9 Measure Horizontal and Vertical Termination Clearance to Trapezoid Portion of Cap

Top Vent - Horizontal Termination

One Elbow

Note: Use SLP Series components only.

V ₁ Minimum**		H ₁ Maximum	
90 Elbow Only**		2 ft.	610 mm
1/2 ft.**	152 mm	2 ft.	610 mm
1-1/2 ft.**	457 mm	3 ft.	914 mm
2-1/2 ft.**	762 mm	5 ft.	1.5 m
3-1/2 ft.	1.1 m	7 ft.	2.1 m
4-1/2 ft.	1.4 m	15 ft.	4.6 m
H ₁ MAX. = 15 ft. (4.6 m) V ₁ + H ₁ MAX. = 40 ft. (12.2 m) ** See Warning.			

WARNING**

Fire Risk.
Install required minimum vertical venting to prevent overheating and fire.

- When using SLP-HRC-SS termination cap on top vented fireplaces, a one foot minimum vertical vent section is required before installing first elbow.
- Installation of the elbow heat shield is required when the clearance to combustible material above the first vent elbow is 6 in. (152 mm) or less. See Section 5.A and 5.B.

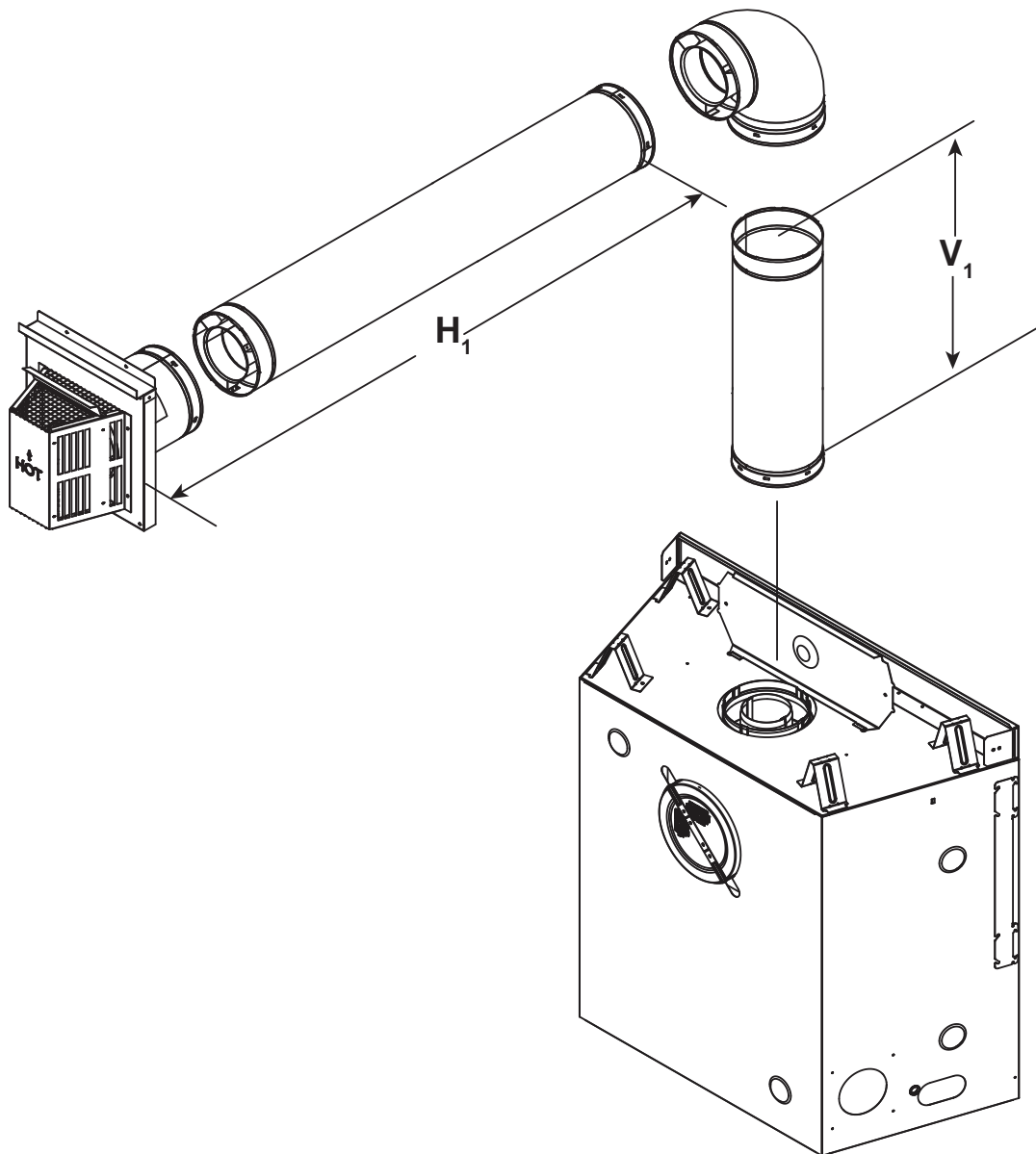


Figure 4.10

Top Vent - Horizontal Termination - (continued)

Two Elbows

Note: Use SLP Series components only.

V ₁ Minimum**		H ₁ + H ₂ Maximum	
90 Elbow Only**		1/2 ft.	152 mm
1/2 ft.**	152 mm	1 ft.	305 mm
1-1/2 ft.**	457 mm	2 ft.	610 mm
2-1/2 ft.**	762 mm	4 ft.	1.2 m
3-1/2 ft.	1.1 m	6 ft.	1.8 m
4-1/2 ft.	1.4 m	14 ft.	4.3 m
H ₁ + H ₂ MAX. = 14 ft. (4.3 m) V ₁ + H ₁ + H ₂ MAX. = 40 ft. (12.2 m) **See Warning Below.			

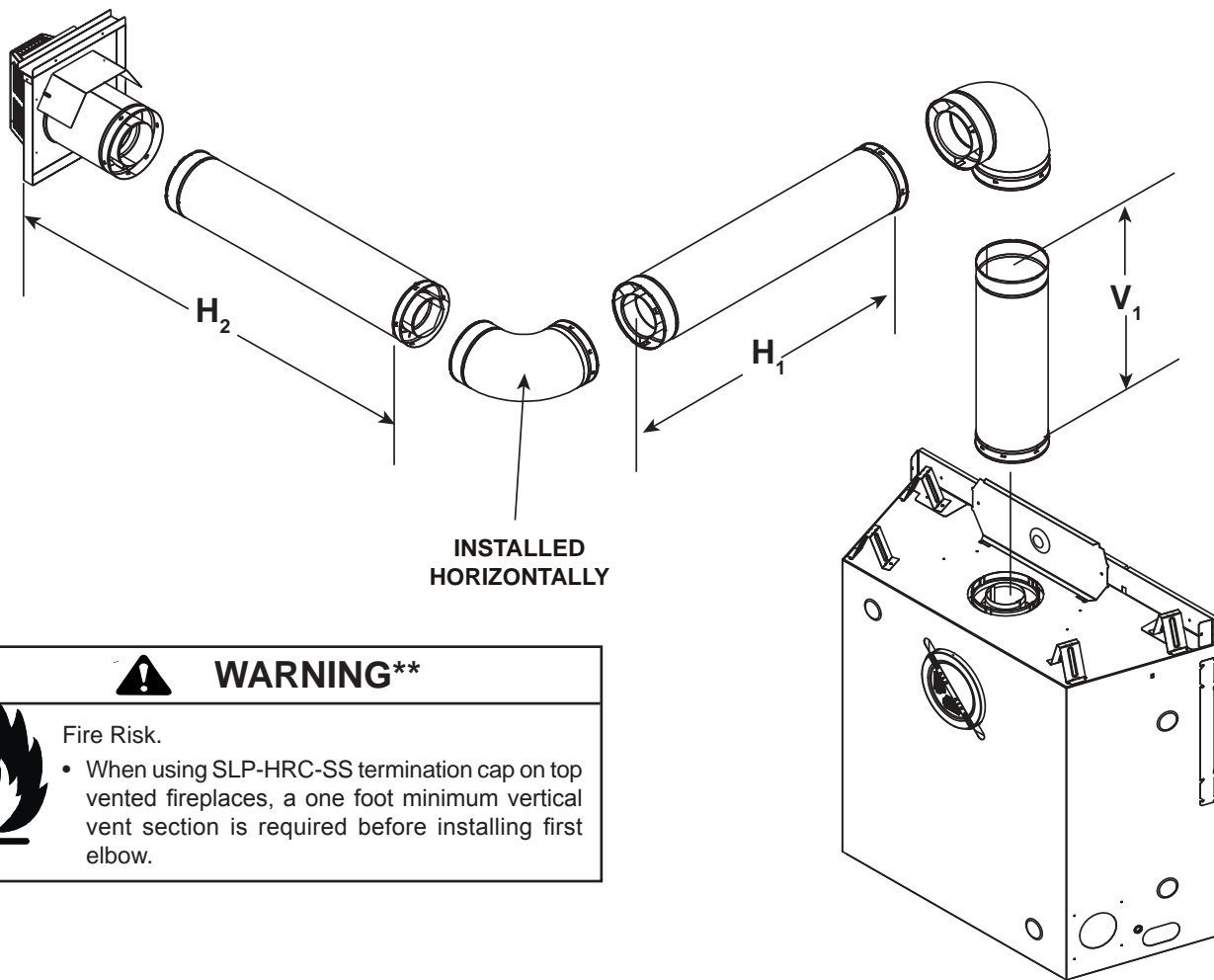


Figure 4.11

Top Vent - Horizontal Termination - (continued)

Three Elbows

Note: Use SLP Series components only.

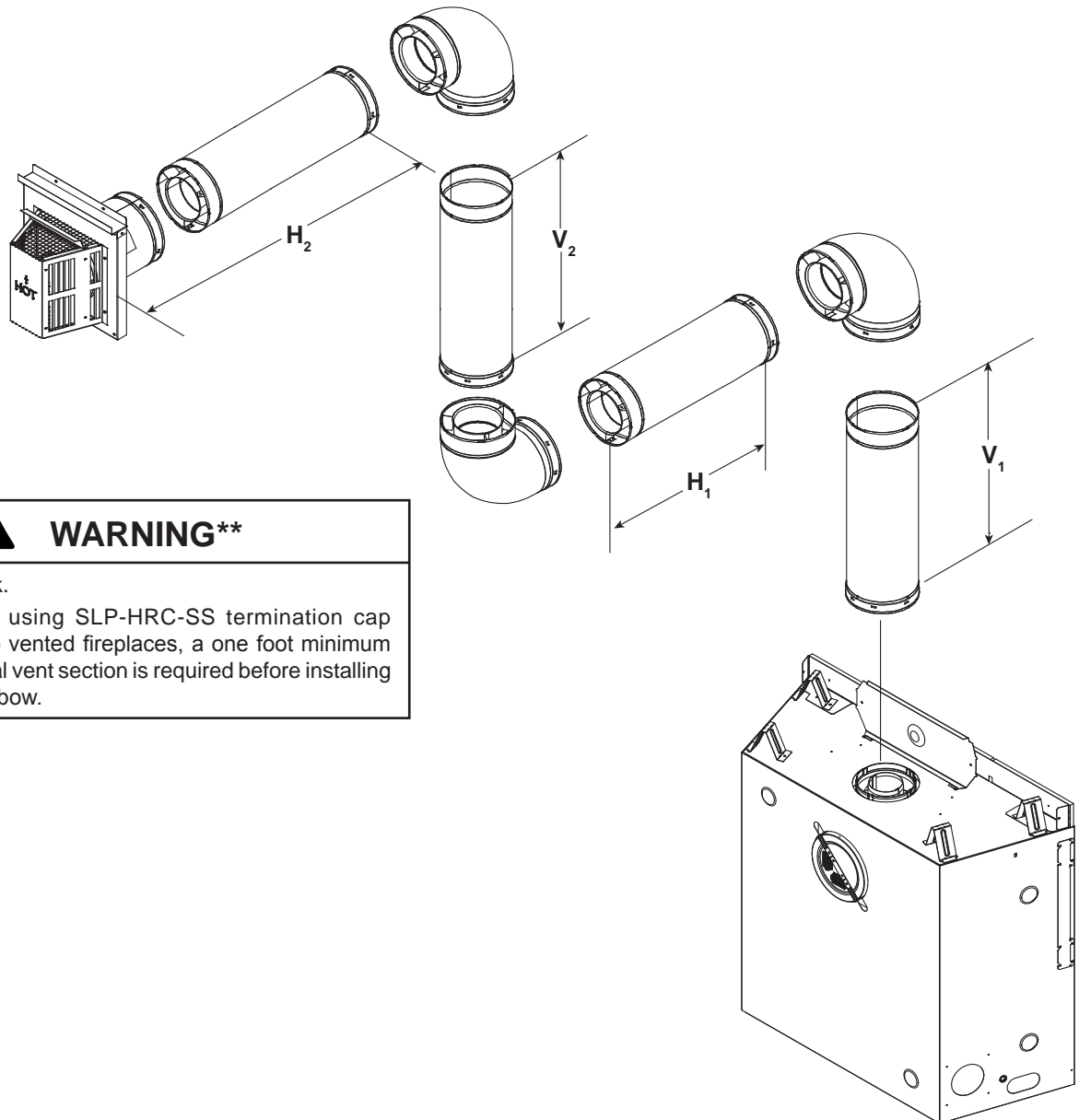
V ₁ Minimum**		H ₁ Maximum		H ₁ + H ₂ Maximum		V ₂	V ₁ + V ₂ Minimum
90 Elbow Only**		1-1/2 ft.	457 mm	2 ft.	610 mm	*	*
1/2 ft.**	152 mm	1-1/2 ft.	457 mm	4 ft.	1.2 m	*	*
1-1/2 ft.	457 mm	3 ft.	914 mm	6 ft.	1.8 m	*	*
2-1/2 ft.	762 mm	5 ft.	1.5 m	10 ft.	3.0 m	*	*
3-1/2 ft.	1.1 m	7 ft.	2.1 m	14 ft.	4.3 m	*	*
4-1/2 ft.	1.4 m	14 ft.	4.3 m	14 ft.	4.3 m	*	*

H₁ + H₂ MAX. = 14 ft. (4.3 m)

*No specific restrictions on this value EXCEPT V₁ + V₂ + H CANNOT exceed 40 ft. (12.2 m)

V₁ + V₂ + H₁ + H₂ MAX. = 40 ft. (12.2 m)

** See Warning Below.



WARNING**



Fire Risk.

- When using SLP-HRC-SS termination cap on top vented fireplaces, a one foot minimum vertical vent section is required before installing first elbow.

Figure 4.12

Top Vent - Vertical Termination

No Elbows

$V_1 = 60 \text{ ft. Max. (18.3 m)}$

Note: If installing a vertical vent/termination off the top of the appliance, the optional vertical termination baffle may be needed.

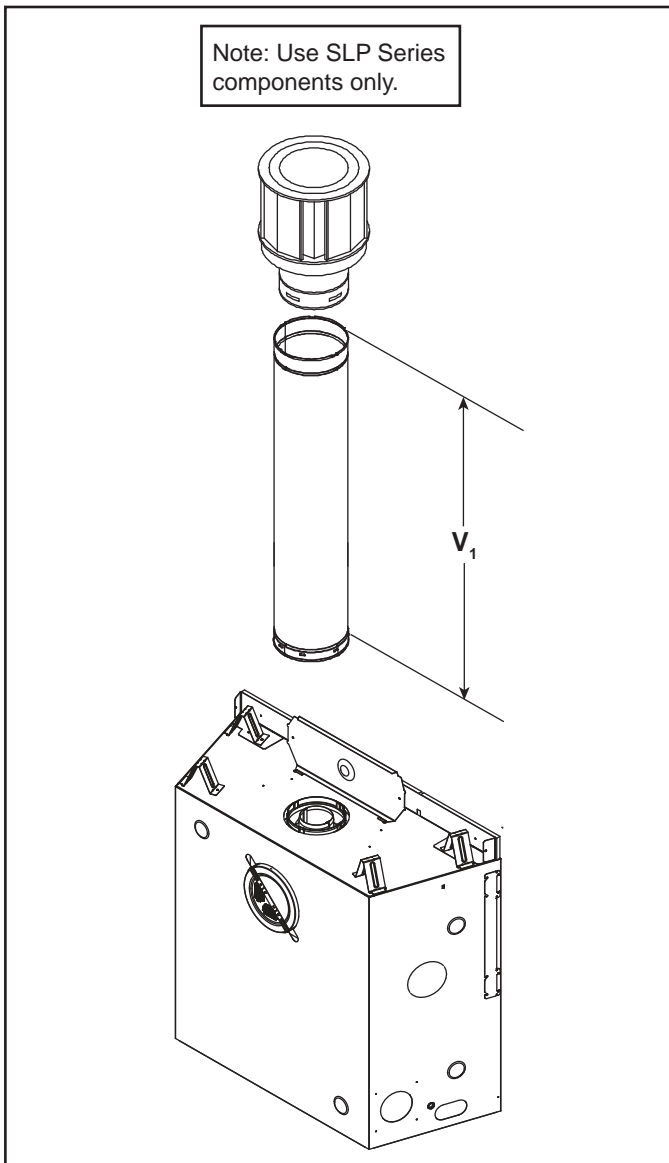


Figure 4.13

Exhaust restrictors are recommended for these vertically terminated products which have excessive draft. Exhaust restrictors will compensate for high draft, and restore visual flame height. If the vent configuration has a total vertical of 15-60 ft. (4.6-18.3 m), an exhaust restrictor may be needed. The exhaust restrictor can be located in the appliance manual bag.

Exhaust restrictor Instructions

1. Install the exhaust restrictor over the center of the exhaust outlet in the firebox. See Figure 4.14.
2. Center the exhaust restrictor in the open end of the exhaust outlet and secure through the slots on the exhaust restrictor with the two (2) 1/4 in. (12 mm) self-tapping screws provided in the appliance manual bag.

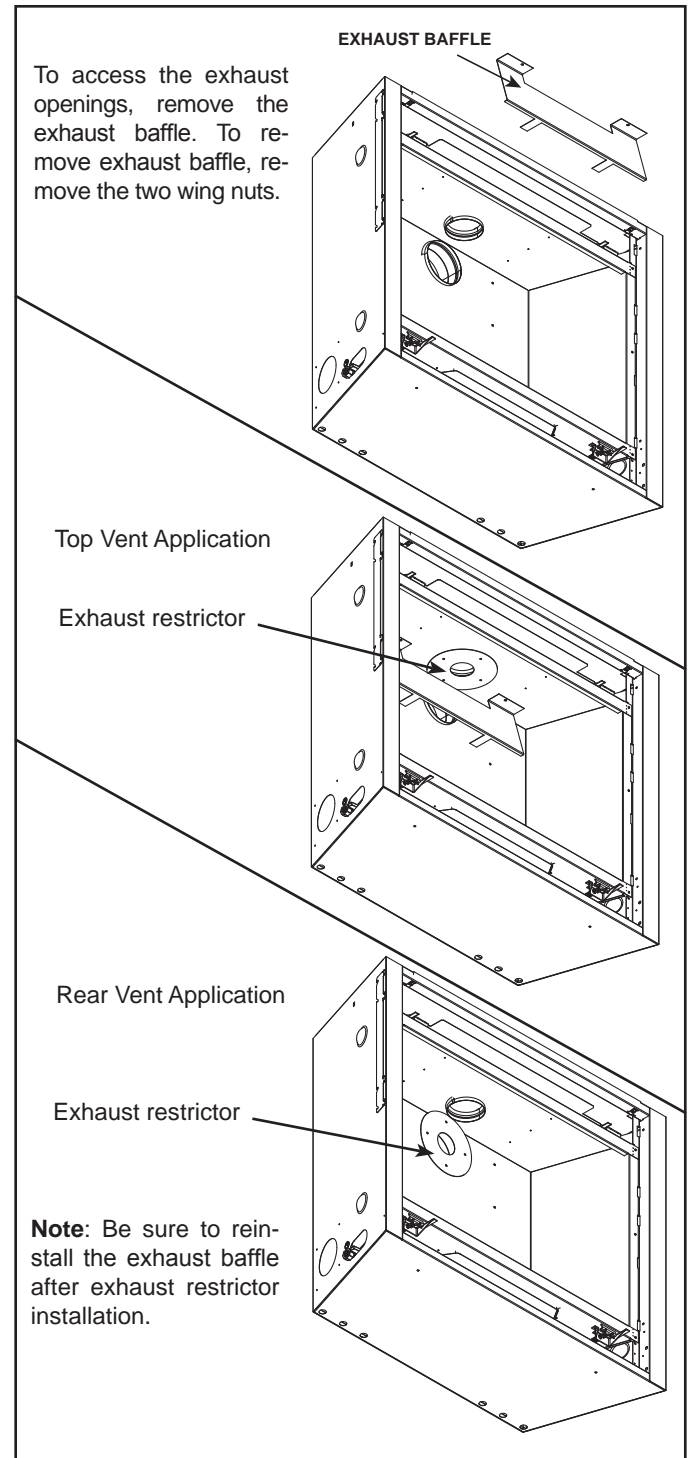


Figure 4.14

Top Vent - Vertical Termination - (continued)

Two 90° Elbows

Note: Use SLP Series components only.

V_1 Minimum		H_1 Maximum		V_2	$V_1 + V_2$ Minimum
90 Elbow Only		1-1/2 ft.	457 mm	*	*
1/2 ft.	152 mm	2 ft.	610 mm	*	*
1-1/2 ft.	457 mm	3 ft.	914 mm	*	*
2-1/2 ft.	762 mm	5 ft.	1.5 m	*	*
3-1/2 ft.	1.1 m	7 ft.	2.1 m	*	*
4-1/2 ft.	1.4 m	15 ft.	4.6 m	*	*

H_1 MAX. = 15 ft. (4.6 m)

*No specific restrictions on this value EXCEPT $V_1 + V_2 + H$ CANNOT exceed 40 ft. (12.2 m).

$V_1 + V_2 + H_1 + H_2$ MAX. = 40 ft. (12.2 m)

$V_1 + V_2 + H_1$ MAX. = 40 ft. (12.2 m)

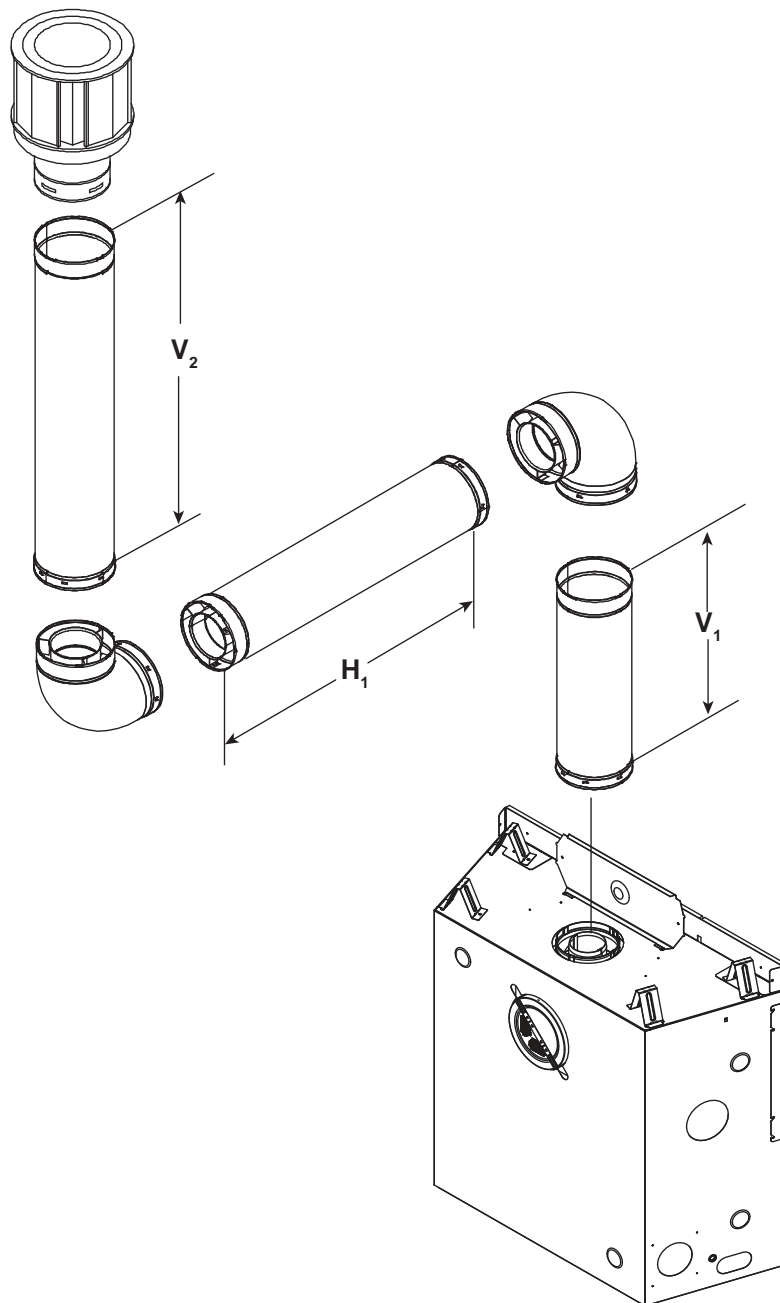


Figure 4.15

Top Vent - Vertical Termination - (continued)

Three Elbows

Note: Use SLP Series components only.

V ₁ Minimum		H ₁ + H ₂ Maximum		V ₂	V ₁ + V ₂ Minimum
90 Elbow Only		1/2 ft.	152 mm	*	*
1/2 ft.	152 mm	1 ft.	305 mm	*	*
1-1/2 ft.	457 mm	2 ft.	610 mm	*	*
2-1/2 ft.	762 mm	4 ft.	1.2 m	*	*
3-1/2 ft.	1.1 m	6 ft.	1.8 m	*	*
4-1/2 ft.	1.4 m	14 ft.	4.3 m	*	*

H₁ + H₂ MAX. = 14 ft. (4.3 m)
 *No specific restrictions on this value EXCEPT V₁ + V₂ + H CANNOT exceed 40 ft. (12.2 m).
 V₁ + V₂ + H₁ + H₂ MAX. = 40 ft. (12.2 m)

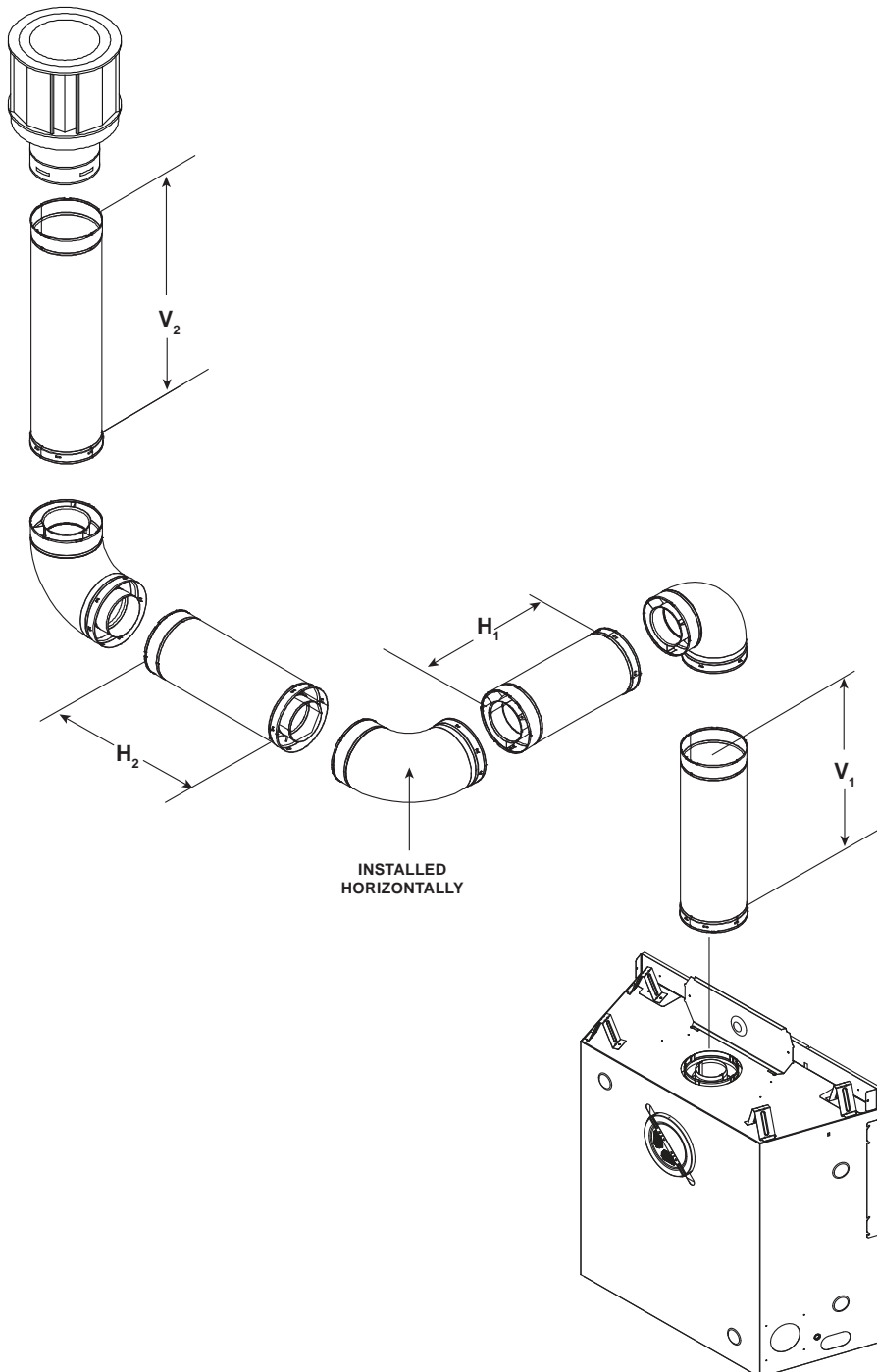


Figure 4.16

Top Vent - Vertical Termination - (continued)

Four 90° Elbows

Note: Use SLP Series components only.

V ₁ MIN.		H ₁ MAX.		V ₂ MIN.		H ₂ MAX.		V ₃ MIN.	
1-1/2 ft.	457 mm	4 ft.	1.2 m	4 ft.	1.2 m	4 ft.	1.2 m	3-1/2 ft.	1.1 m
$V_1 + V_2 + V_3 + H_1 + H_2$ Maximum = 40 ft. (12.2 m)									

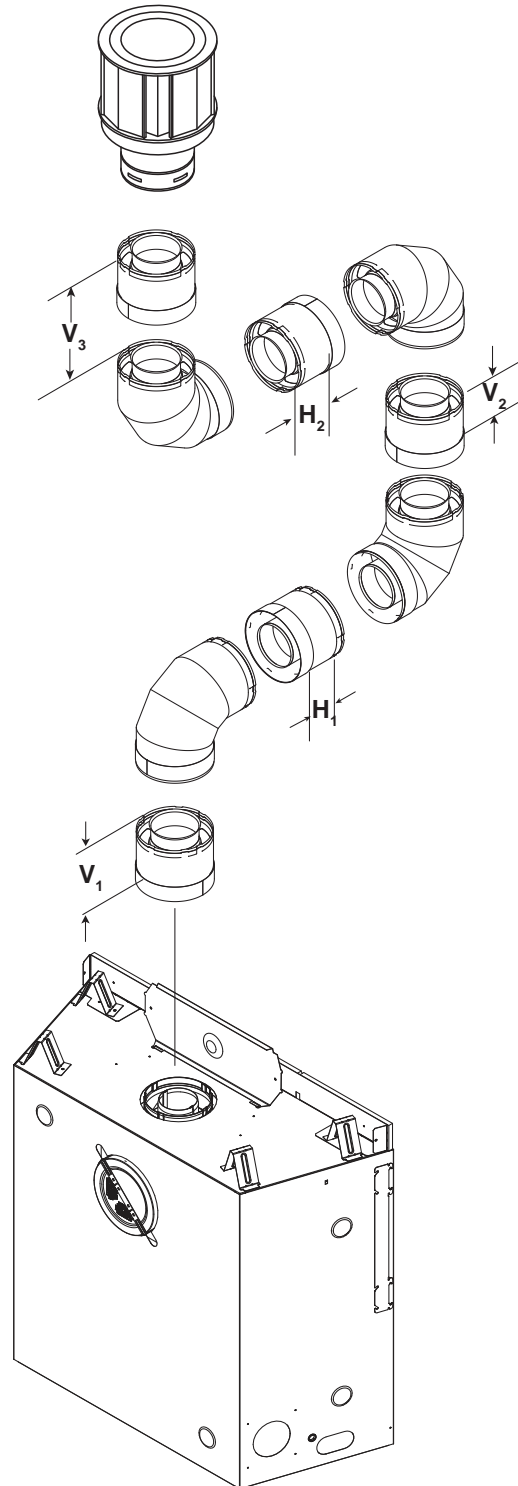


Figure 4.17

Rear Vent - Horizontal Termination

No Elbow

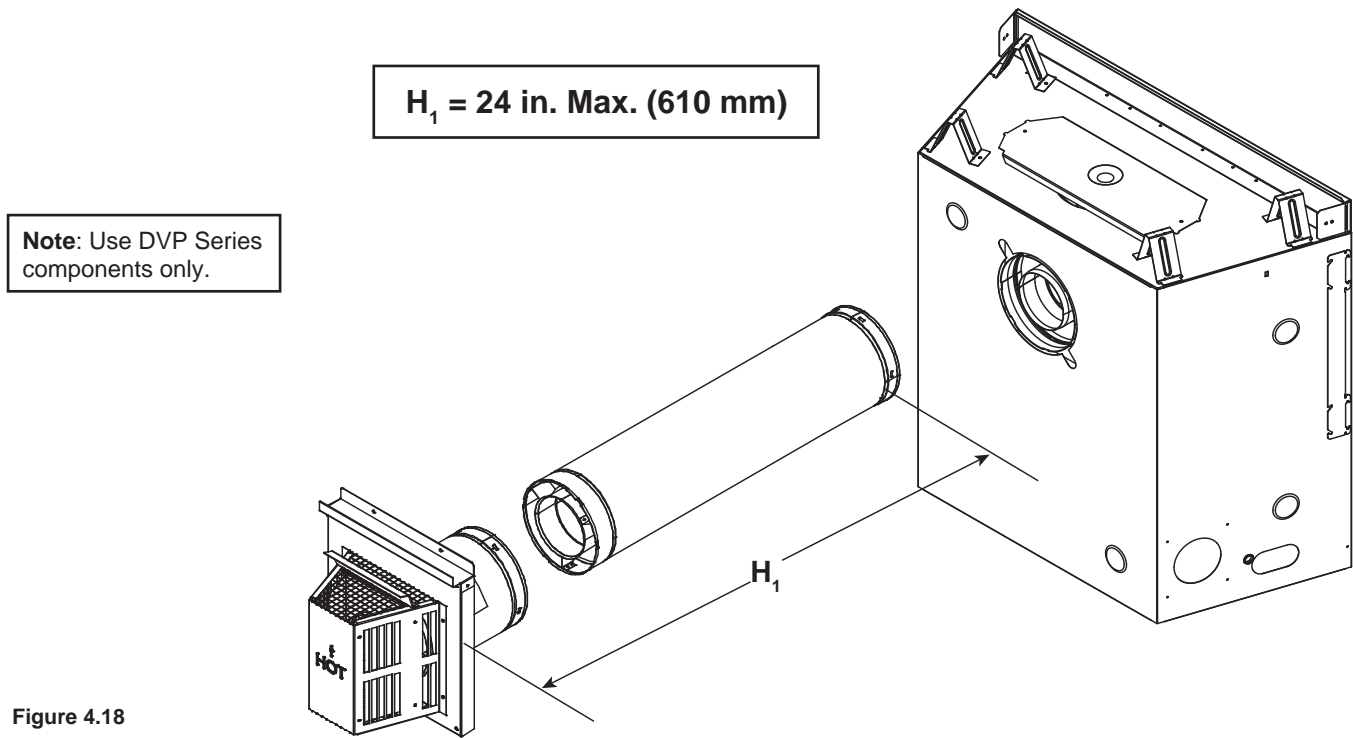


Figure 4.18

One 45° Elbow

$H_1 = 9 \text{ in. (229 mm) Maximum}$

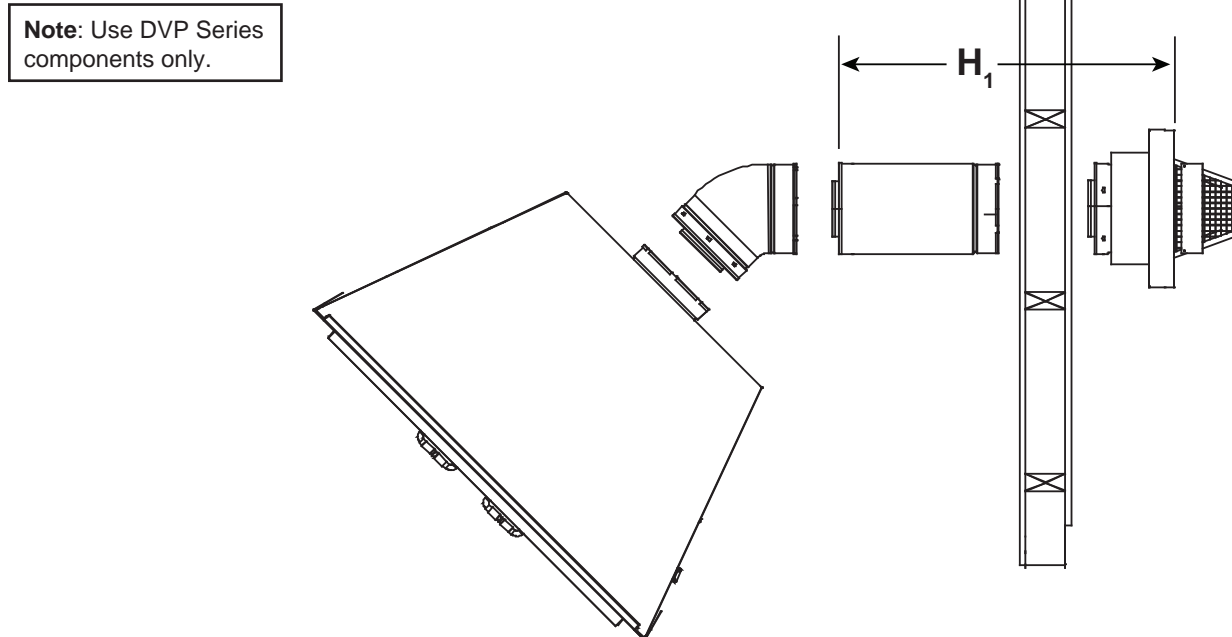


Figure 4.19

Rear Vent - Horizontal Termination - (continued)

Two Elbows

Note: Use DVP Series components only.

H ₁ MAX.		V ₁ MIN.		H ₂ MAX.		H ₁ + H ₂ MAX.	
1-1/2 ft.	457 mm	Back to back elbows		1 ft.	305 mm	2-1/2 ft.	762 mm
3 ft.	914 mm	1 ft.	305 mm	3 ft.	914 mm	6 ft.	1.8 m
5 ft.	1.5 m	3 ft.	914 mm	5 ft.	1.5 m	10 ft.	3.0 m
7 ft.	2.1 m	5 ft.	1.5 m	7 ft.	2.1 m	14 ft.	4.3 m
H ₁ MAX. = 7 ft. (2.1 m) H ₁ + H ₂ MAX. = 14 ft. (4.3 m) V ₁ + H ₁ + H ₂ MAX. = 40 ft. (12.2 m)							

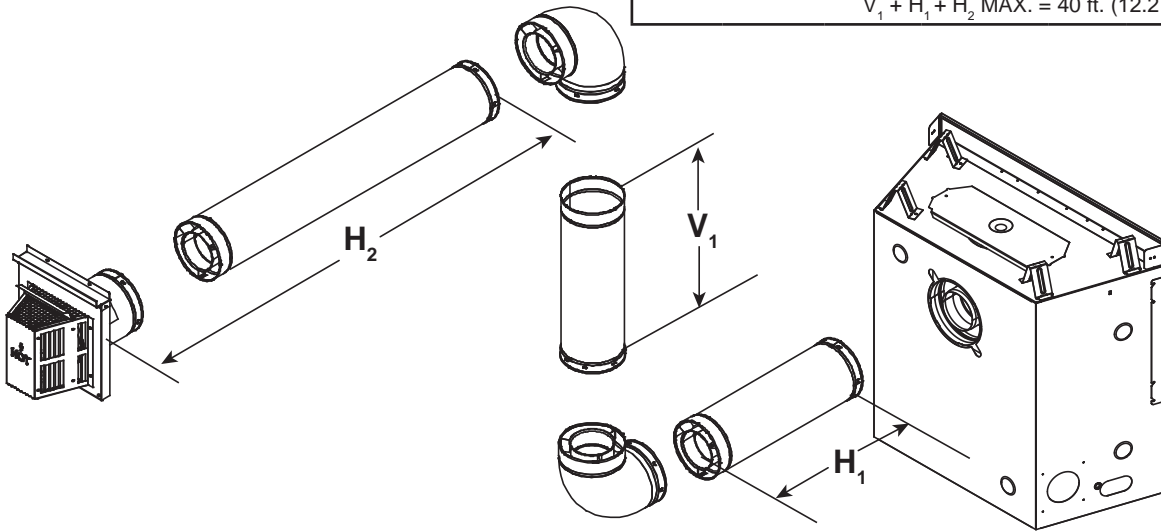


Figure 4.20

Three Elbows

Note: Use DVP Series components only.

H ₁ MAX.		V ₁ MIN.		H ₂ + H ₃ MAX.		H ₁ + H ₂ + H ₃ MAX.	
1-1/2 ft.	457 mm	Back to back elbows		1 ft.	305 mm	2-1/2 ft.	762 mm
3-1/2 ft.	1.1 m	1 ft.	305 mm	2 ft.	610 mm	5-1/2 ft.	1.7 m
5-1/2 ft.	1.7 m	2 ft.	610 mm	4 ft.	1.2 m	9-1/2 ft.	2.9 m
7-1/2 ft.	2.3 m	3 ft.	914 mm	6 ft.	1.8 m	13-1/2 ft.	4.1 m
H ₁ MAX. = 7-1/2 ft. (2.3 m) H ₁ + H ₂ + H ₃ MAX. = 13-1/2 ft. (4.1 m) V ₁ + H ₁ + H ₂ + H ₃ MAX. = 40 ft. (12.2 m)							

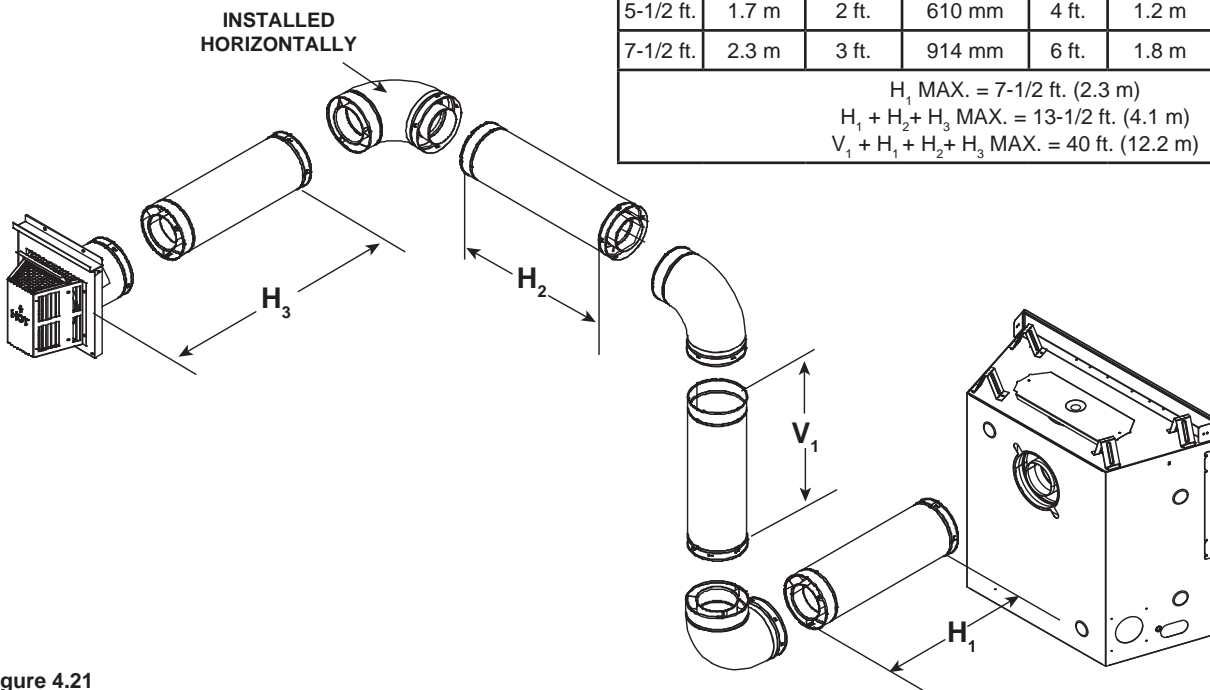
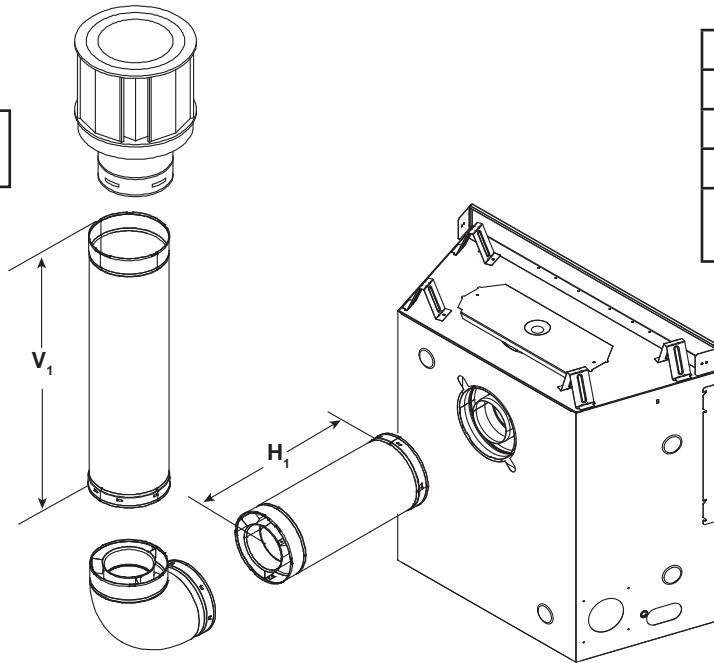


Figure 4.21

Rear Vent - Vertical Termination

One Elbow

Note: Use DVP Series components only.

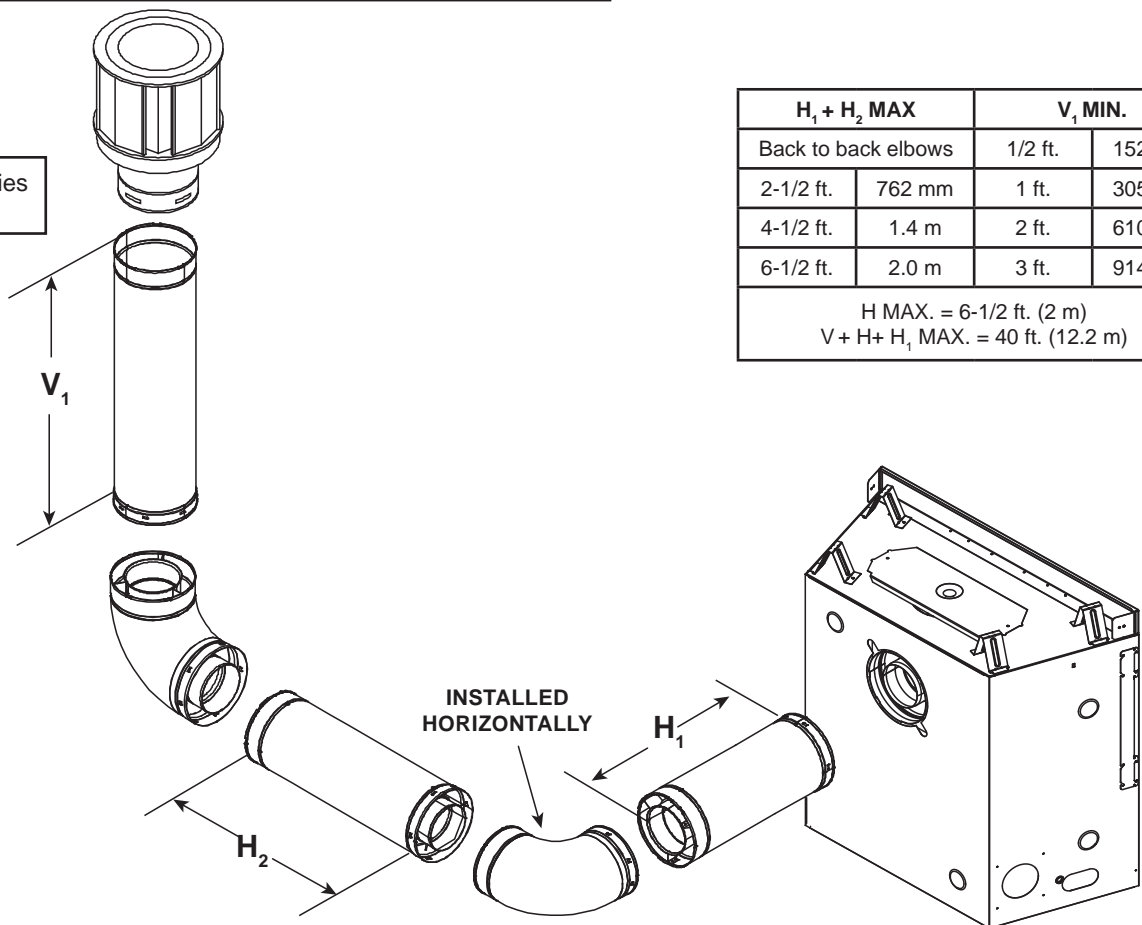


V ₁ MIN.		H ₁ MAX.	
1 ft.	305 mm	3-1/2 ft.	1.1 m
2 ft.	610 mm	5-1/2 ft.	1.7 m
3 ft.	914 mm	7-1/2 ft.	2.3 m
H MAX. = 7-1/2 ft. (2.3 m)			
V ₁ + H ₁ MAX. = 40 ft. (12.2 m)			

Figure 4.22

Two Elbows

Note: Use DVP Series components only.



H ₁ + H ₂ MAX		V ₁ MIN.	
Back to back elbows		1/2 ft.	152 mm
2-1/2 ft.	762 mm	1 ft.	305 mm
4-1/2 ft.	1.4 m	2 ft.	610 mm
6-1/2 ft.	2.0 m	3 ft.	914 mm
H MAX. = 6-1/2 ft. (2 m)			
V + H + H ₁ MAX. = 40 ft. (12.2 m)			

Figure 4.23

Rear Vent - Vertical Termination - (continued)

Three Elbows

V ₁ MIN.		H ₁ MAX.		H ₂ MAX.		H ₁ + H ₂ MAX.		V ₂	V ₁ + V ₂ Minimum
Back to back elbows		1-1/2 ft.	457 mm	1 ft.	305 mm	2-1/2 ft.	762 mm	*	*
1 ft.	305 mm	3-1/2 ft.	1.1 m	3 ft.	914 mm	6-1/2 ft.	2.0 m	*	*
2 ft.	610 mm	5-1/2 ft.	1.7 m	5 ft.	1.5 m	10-1/2 ft.	3.2 m	*	*
3 ft.	914 mm	7-1/2 ft.	2.3 m	7 ft.	2.1 m	14-1/2 ft.	4.4 m	*	*

H₁ MAX. = 7-1/2 ft. (2.3 m)
 H₁ + H₂ MAX. = 14-1/2 ft. (4.4 m)
 V₁ + V₂ + H₁ + H₂ MAX. = 40 ft. (12.2 m)

*No specific restrictions on this value EXCEPT V₁ + V₂ + H CANNOT exceed 40 ft. (12.2 m).

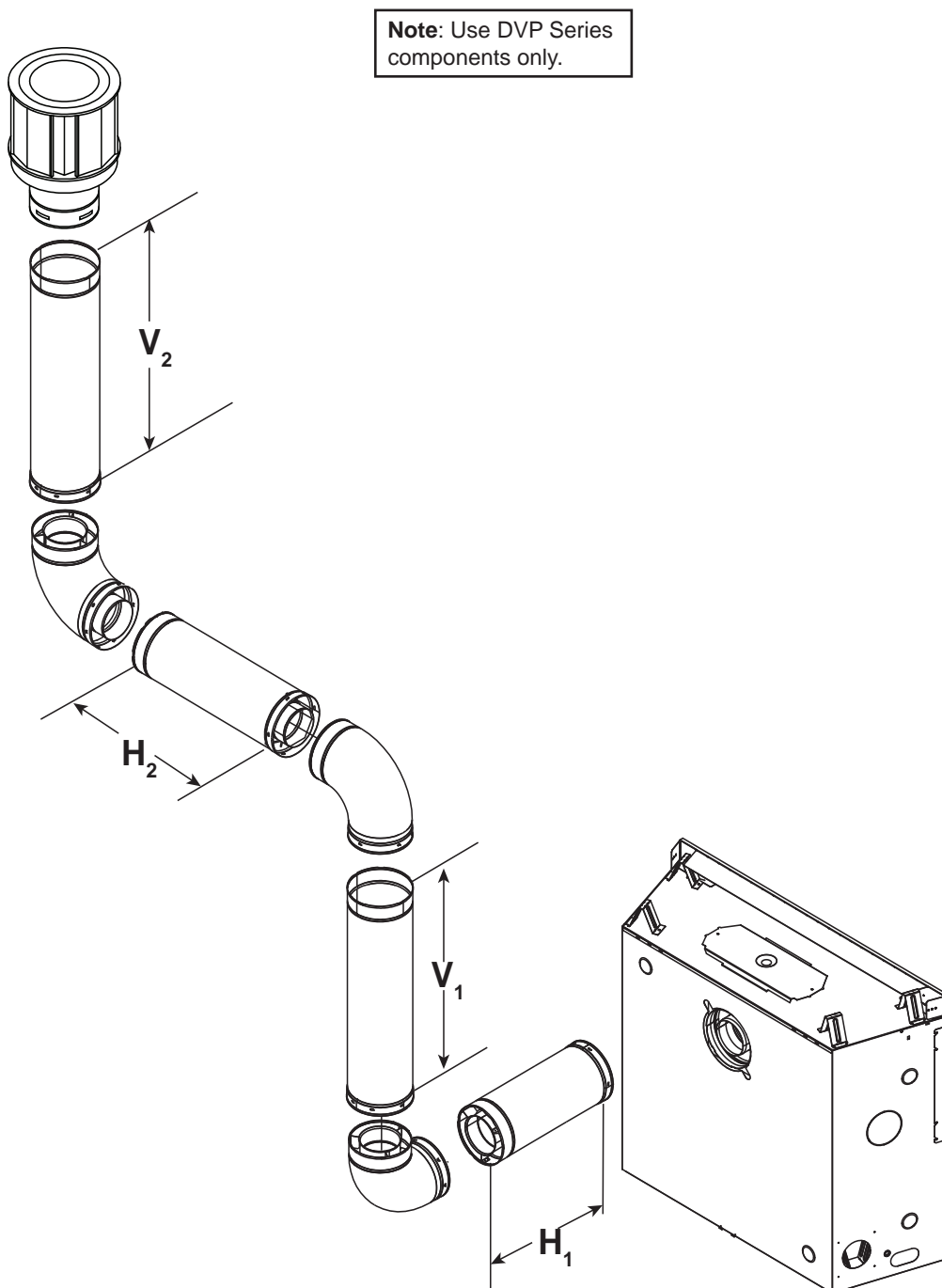


Figure 4.24

Three Elbows

Note: Use DVP Series components only.

H ₁	H ₂	H ₃	V ₁ Minimum		H ₁ + H ₂ + H ₃ Maximum	
*	*	*	8 ft.	2.44 m	6 ft.	1.83 m
*	*	*	9 ft.	2.74 m	7 ft.	2.13 m
*	*	*	10 ft.	3.05 m	8 ft.	2.44 m
*	*	*	10 ft.	3.05 m	8 ft.	2.44 m

$V_1 + H_1 + H_2 + H_3 = 32 \text{ ft. (9.75 m)}$ Maximum
 *No specific restrictions on this value EXCEPT
 $V_1 + H_1 + H_2 + H_3$ cannot exceed 32 ft. (9.75 m) Maximum
 $H_1 + H_2 + H_3 = 8 \text{ ft. (2.44 m)}$ Maximum

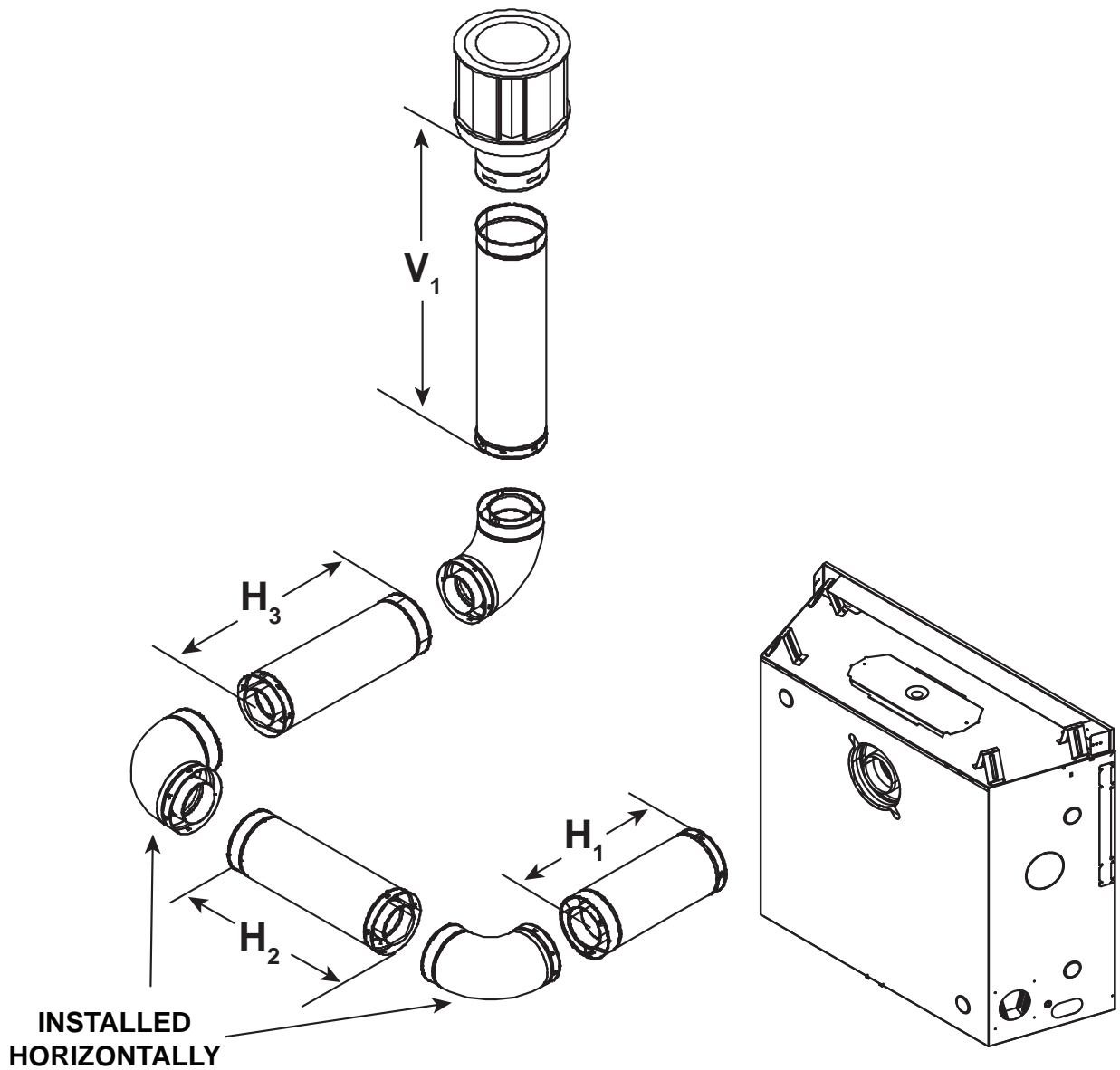


Figure 4.25

5 Vent Clearances and Framing

A. Pipe Clearances to Combustibles

WARNING! Risk of Fire! Maintain air space clearance to vent. DO NOT pack insulation or other combustibles:

- Between ceiling firestops
- Between wall shield firestops
- Around vent system

Failure to keep insulation or other material away from vent pipe could cause overheating and fire.

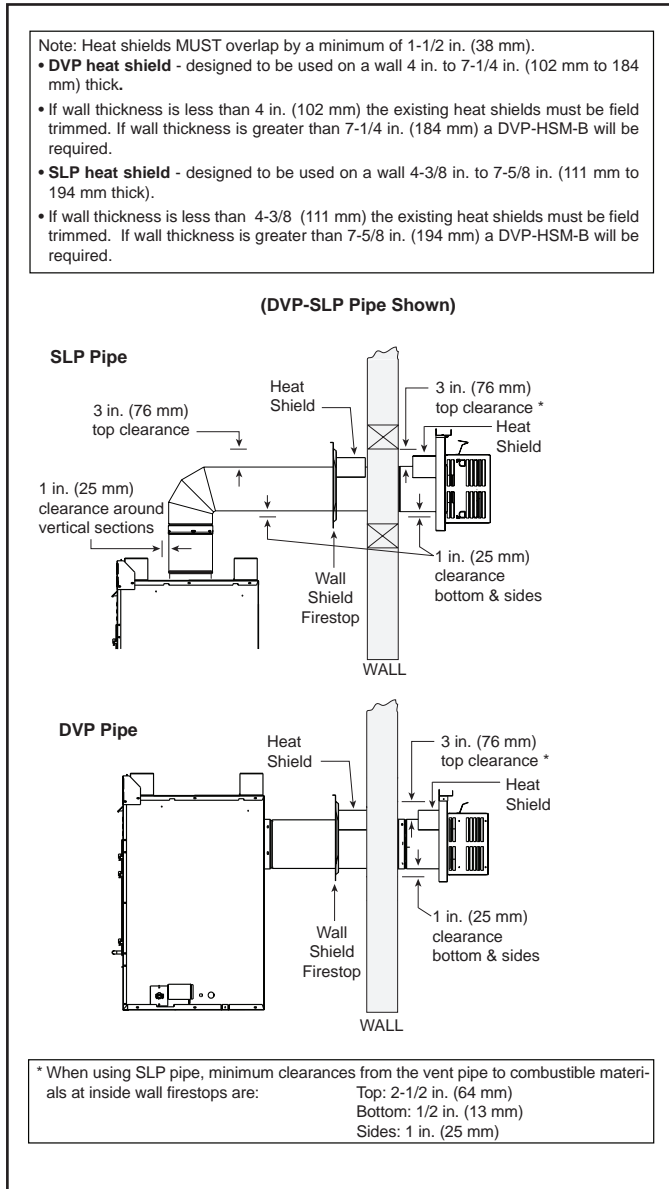


Figure 5.1 Horizontal Venting Clearances To Combustible Materials - Generic Appliance Shown

Elbow Heat Shield

WARNING! Risk of Fire! Elbow heat shield MUST be installed if required. Overheating will occur.

Top vented appliances: Installation of the elbow heat shield is required when the clearance to combustible material above the first 90 degree vent elbow is six inches or less. See Figure 5.2.

Note: A minimum of three inches clearance from the top of the pipe to any combustible material must always be maintained.

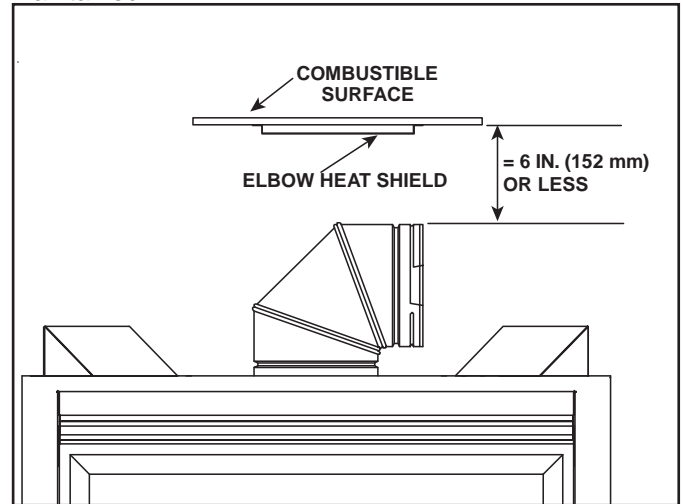


Figure 5.2 Conditions Requiring Elbow Heat Shield Installation

To Install Elbow Heat Shield:

1. Remove the elbow heat shield from the shipping position by removing screws.
2. Fasten the shield in place using the four pilot holes. The shield should be oriented such that the 13 1/8 inch dimension (longest dimension) is running in the same direction the elbow is pointing. The shield should be centered directly above the elbow, and positioned so that it creates a 1/2 inch airspace between the shield and the combustible surface. See Figure 5.3.

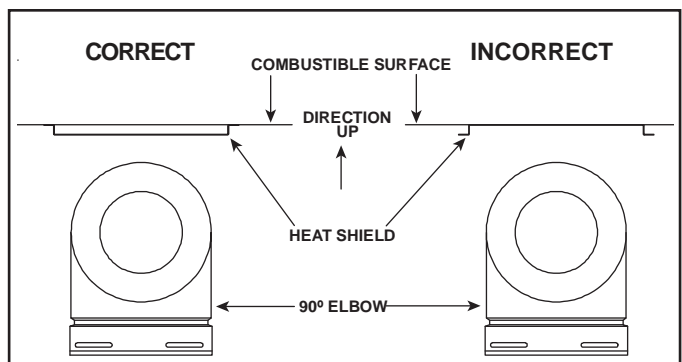


Figure 5.3

B. Wall Penetration Framing/Firestops

Combustible Wall Penetration

Whenever a combustible wall is penetrated, you must frame a hole for the wall shield firestop(s). The wall shield firestop maintains minimum clearances and prevents cold air infiltration.

These clearances are maintained by using an SLP-WS (SLP pipe) or DVP-WS (DVP pipe). See Figure 5.4 for framing instructions.

- For external walls: The wall shield firestop is included with the termination cap assembly.
- For internal walls: A wall shield firestop must be purchased and installed.
- The opening must be framed on all four sides using the same size framing materials as those used in the wall construction.
- SLP pipe - A wall shield firestop must be placed on each side of an interior wall. A minimum 1-1/2 in. (38 mm) overlap of attached heat shields must be maintained.
- DVP pipe - A wall shield firestop is required on one side only on interior walls. If your local inspector requires a wall shield firestop on both sides, then both wall shield firestops must have a heat shield (refer to Section 12.A) attached to them.
- See Section 7.F for information for regarding the installation of a horizontal termination cap.

Non-Combustible Wall Penetration

If the hole being penetrated is surrounded by non-combustible materials such as concrete, a hole with diameter one inch greater than the pipe is acceptable.

Whenever a non-combustible wall is penetrated, the wall shield firestop is only required on one side and no heat shield is necessary.

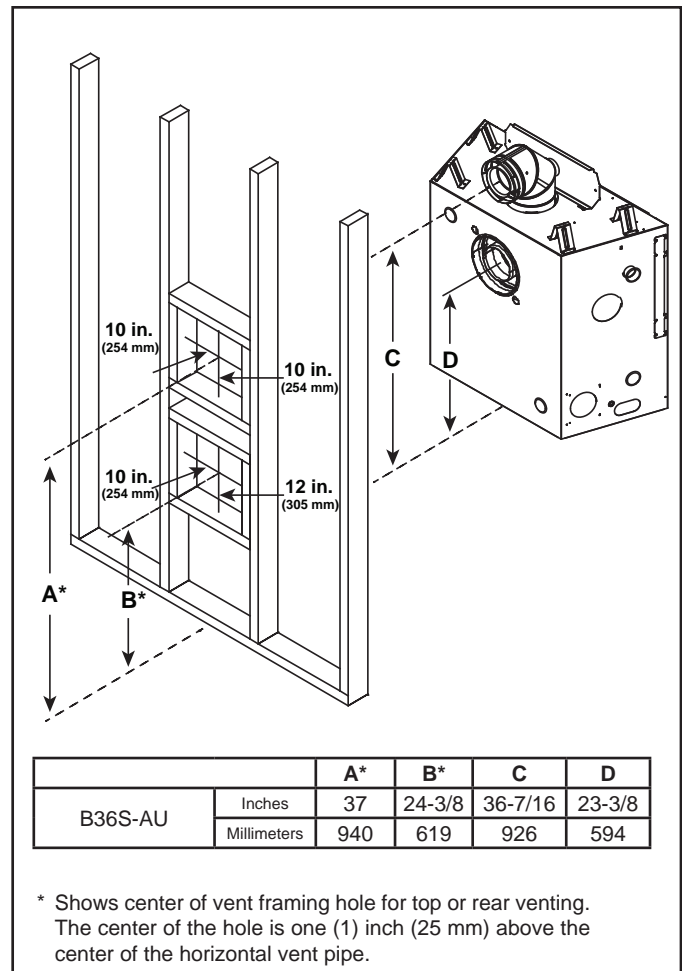


Figure 5.4 Wall Penetration

C. Ceiling Firestop/Floor Penetration Framing

WARNING! Fire Risk. The use of an attic shield is required to prevent loose materials or insulation from contacting the vent causing overheating and a fire.

A ceiling firestop **MUST** be used between floors and attics.

- **DVP pipe only** - Frame an opening 10 in. by 10 in. (254 mm by 254 mm) whenever the vent penetrates a ceiling/floor (see Figure 5.5).
- **SLP pipe only** - Frame opening 9 in. x 9 in. (229 mm x 229 mm) whenever the vent penetrates a ceiling/floor. See Figure 5.5.
- Frame the area with the same sized lumber as used in ceiling/floor joist.
- The ceiling firestop may be installed above or below the ceiling joists when installed with an attic insulation shield. It must be under joists between floors that are not insulated. See Figure 5.6.
- Secure in place with nails or screws.

D. Install Attic Insulation Shield

WARNING! Fire Risk. The use of an attic shield is required to prevent loose materials or insulation from contacting the vent causing overheating and a fire.

The International Fuel Gas Code requires an attic shield constructed of 26 gauge minimum steel that extends at least 2 in. (51 mm) above insulation.

- Attic insulation shields must meet specified clearances to combustible materials and be secured in place.
- An attic insulation shield kit is available from Hearth & Home Technologies. Contact your dealer to order. Install attic insulation shield according to instructions included with kit.

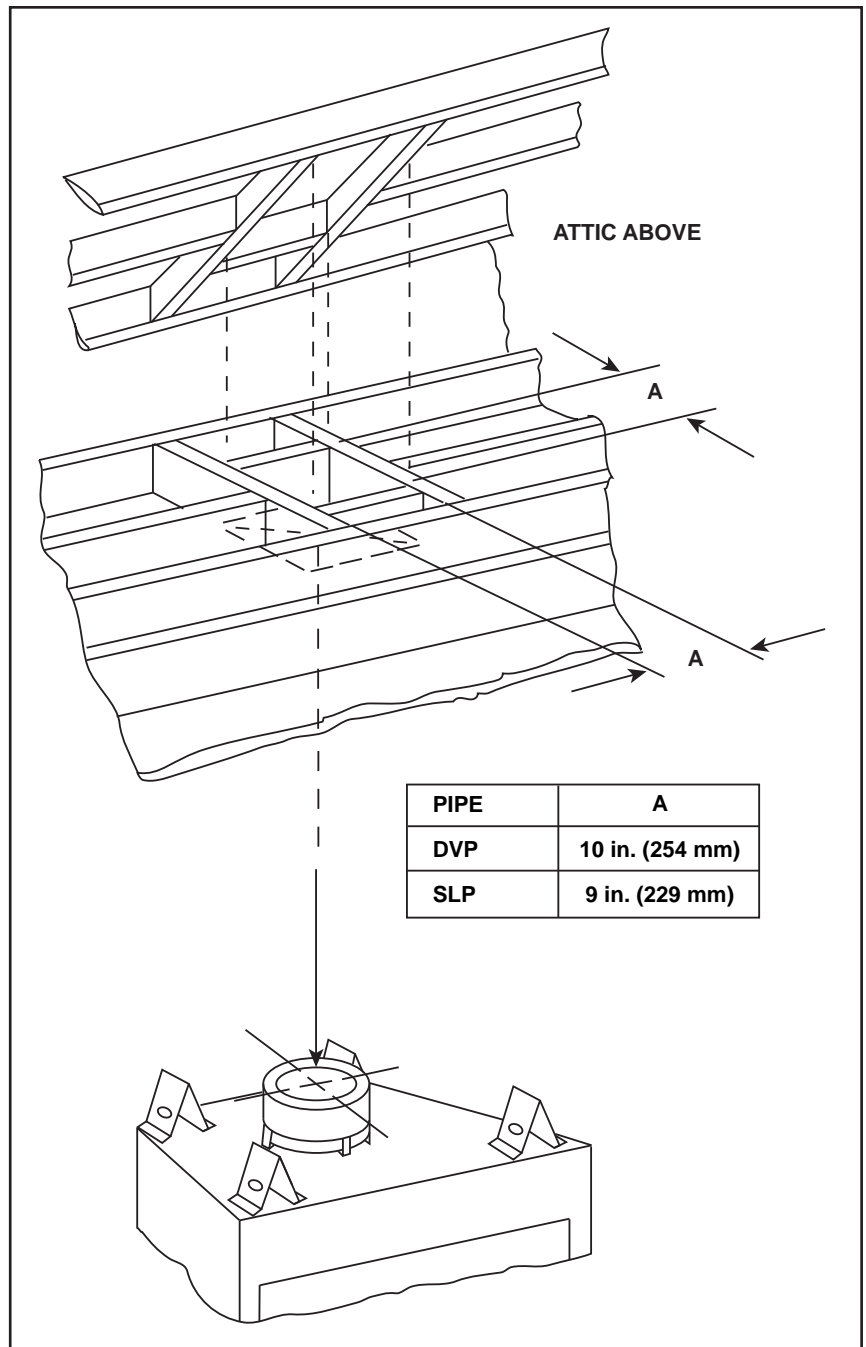


Figure 5.5 Installing Ceiling Firestop - Generic Appliance Shown

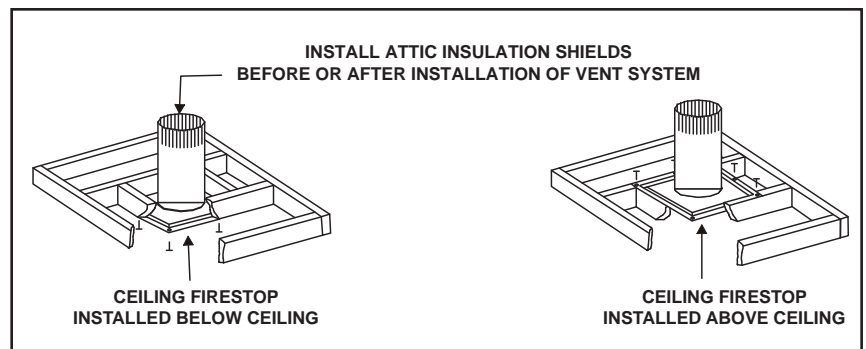


Figure 5.6 Installing the Attic Shield

6 Appliance Preparation

A. Vent Collar Preparation

CAUTION! Risk of Cuts, Abrasions or Flying Debris. Wear protective gloves and safety glasses during installation. Sheet metal edges are sharp.

NOTICE: Once appliance is set up for top or rear venting, it CANNOT be changed at a later time.

Top Vent

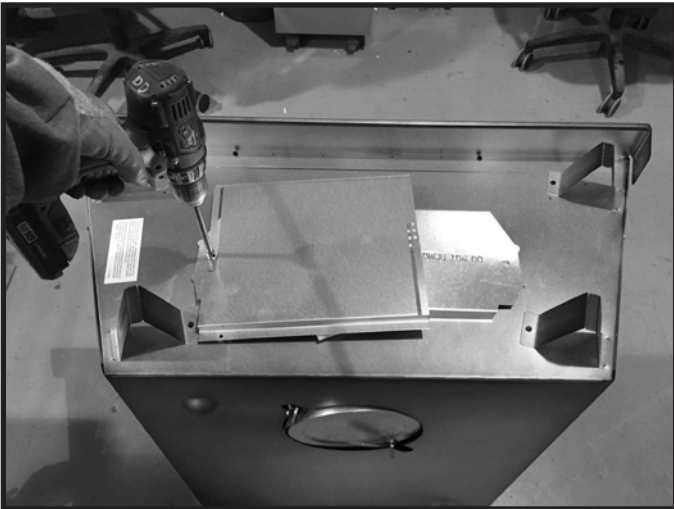


Figure 6.1 For top vent, remove the screw holding the elbow heat shield in place.



Figure 6.2 For top vent, remove the two screws holding the top heat shield in place.

WARNING! Risk of Fire! Do not remove heat shield. Elevated header temperatures may cause a fire.



Figure 6.3 Rotate the top heat shield to the vertical position as shown above. The heat shield must remain in the vertical position.

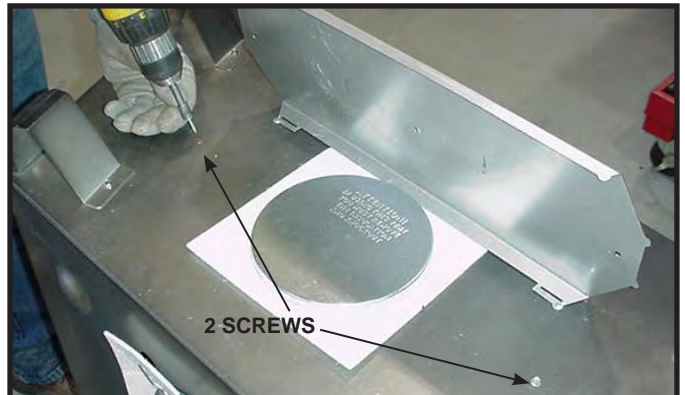


Figure 6.4 Replace the two screws as shown.

Note: Actual unit may look different than the fireplace shown in this section.



Figure 6.5 Remove the seal cap.

NOTICE: Once the seal cap has been removed it CANNOT be reattached.



Figure 6.6 Remove the insulation basket and white insulation from the center vent pipe.



Figure 6.7 Remove the insulation from the outer vent pipe.



Figure 6.8 To attach the first section of vent pipe, make sure to use the fiberglass gasket to seal between the first vent component and the outer fireplace wrap. Use 2 self tapping screws to secure the gasket to the outer wrap.

Note: Once the seal cap has been removed, it cannot be reattached.

Rear Vent

NOTICE: Once appliance is set up for top or rear venting, it CANNOT be changed at a later time.

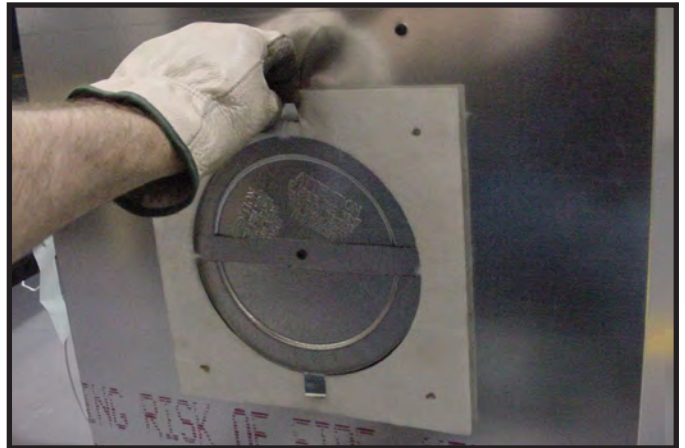


Figure 6.9 Fold the tabs toward the center of the fire plug (90°) and remove the insulation gasket.



Figure 6.10 Cut the metal retaining band and fold the sides out.



Figure 6.11 Fold the center parts of the retaining band out and use to remove the seal cap.

NOTICE: Once the seal cap has been removed it CANNOT be reattached.



Figure 6.12 Discard the seal cap, remove and discard the insulation basket.



Figure 6.13 Attach the first vent section (it will snap into place). Slide the insulation gasket onto the vent section, up against the appliance and over the tabs. Use two self-tapping screws to secure gasket to outer wrap.

B. Securing and Leveling the Appliance

WARNING! Risk of Fire! Prevent contact with:

- Sagging or loose insulation
- Insulation backing or plastic
- Framing and other combustible materials

Block openings into the chase to prevent entry of blown-in insulation. Make sure insulation and other materials are secured.

DO NOT notch the framing around the appliance standoffs.

Failure to maintain air space clearance could cause overheating and fire.

The diagram shows how to properly position, level, and secure the appliance. See Figure 6.14. Nailing tabs are provided to secure the appliance to the framing members.

- Bend out nailing tabs on each side.
- Place the appliance into position.
- Keep nailing tabs flush with the framing.
- Plum, square and level the appliance from side to side and front to back.
- Shim the appliance as necessary, keeping the bottom supported, level and straight. It is acceptable to use wood shims underneath the appliance.
- Place a level on top, sides and bottom as shown in Figure 6.14.
- Secure the appliance to the framing by using nails or screws through the nailing tabs.
- Optional: Secure the appliance to the floor by inserting two screws through the pilot holes at the bottom of the appliance.

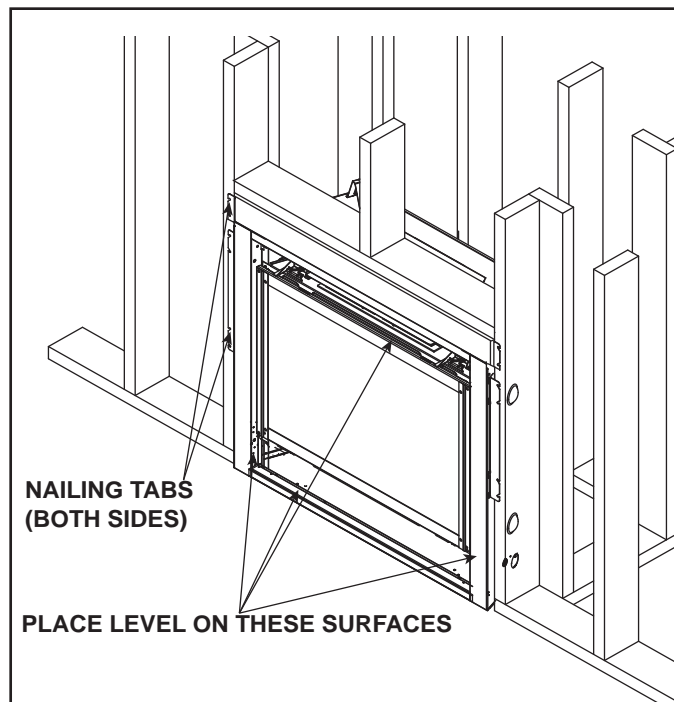


Figure 6.14 Proper Positioning, Leveling And Securing Of An Appliance

7 Venting and Chimneys

A. Assemble Vent Sections

DVP Pipe Only

WARNING! Risk of Fire or Explosion! Vent sections *MUST* be installed correctly. Improperly installed vent sections could leak or cause appliance to overheat.

Attach Vent to the Firebox Assembly

Note: The end of the pipe sections with the lanced tabs will face toward the appliance.

Attach the first pipe section to the starting collar:

- Lanced pipe end of the starting collar.
- Inner pipe over inner collar.
- Push the pipe section until all lanced tabs snap in place.
- Lightly tug on pipe to confirm it has locked.

Requirement for Commercial, Multi-family (Multi-level exceeding two stories), or High-Rise Applications

WARNING! Risk of Fire or Explosion! DO NOT break silicone seals on slip sections. Use care when removing termination cap from slip pipe. If slip section seals are broken during removal of the termination cap, vent could leak.

All outer pipe joints must be sealed using one of the methods below, including the slip section that connects directly to the horizontal termination cap.

- Apply a bead of silicone sealant (300 °F (149 °C) minimum continuous exposure rating) inside the female outer pipe joint prior to joining sections. See Figure 7.1 **OR**

Apply a bead of silicone sealant (300 °F (149 °C) minimum continuous exposure rating) to the outside of connecting joint after joining sections **OR**

Apply aluminum foil tape (300 °F (149 °C) minimum continuous exposure rating) to the outside of connecting joint after joining sections. On horizontal pipe runs, it is recommended that the tape seam is positioned on the bottom side of the vent pipe.

- Only outer pipes need to be sealed. All unit collar, pipe, slip section, elbow and cap outer flues shall be sealed in this manner, unless otherwise stated.

Assemble Pipe Sections

Per Figure 7.2:

- Start the inner pipe on the lanced end of section A into the flared end of section B.
- Start the outer pipe of section A over the outer pipe of section B.
- Once both vents sections are started, push firmly until all lanced tabs lock into place.
- Lightly tug on the pipe to confirm the tabs have locked.

It is acceptable to use screws no longer than 1/2 in. (13 mm) to hold outer pipe sections together. If predrilling holes, **DO NOT** penetrate inner pipe.

For 90° and 45° elbows that are changing the vent direction from horizontal to vertical, one screw minimum should be put in the outer flue at the horizontal elbow joint to prevent the elbow from rotating. Use screws no longer than 1/2 in. (13 mm). If predrilling screw holes, **DO NOT** penetrate inner pipe.

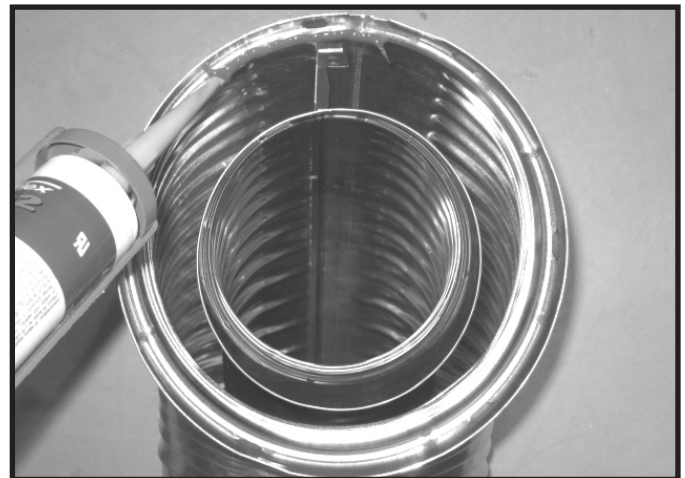


Figure 7.1 High Temperature Silicone Sealant

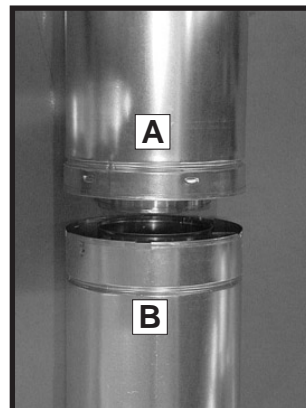


Figure 7.2

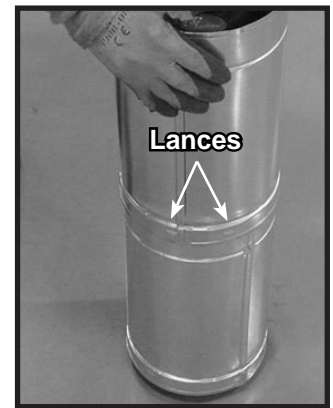
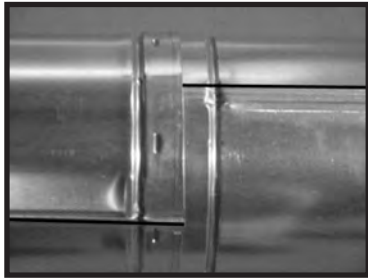
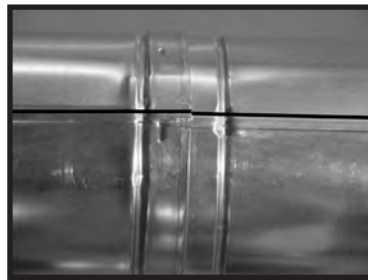


Figure 7.3

Note: Make sure that the seams are not aligned to prevent unintentional disconnection.



CORRECT



INCORRECT

Figure 7.4 Seams

NOTICE: When installing a vent system with an HRC termination cap, all pipe system joints shall be sealed using a high temperature silicone sealant (300 °F (149 °C) minimum continuous exposure rating).

- Apply a bead of silicone sealant (300 °F (149 °C) minimum continuous exposure rating) inside the female outer pipe joint prior to joining sections.
- Only outer pipes are sealed, sealing the inner flue is not required.
- All unit collar, pipe, slip section, elbow and cap outer flues shall be sealed.

Assemble Vent Sections

SLP Pipe Only

WARNING! Risk of Fire or Explosion! Vent sections **MUST** be installed correctly. Improperly installed vent sections could leak or cause appliance to overheat.

To attach the first vent component to the starting collars of the appliance:

- Lock the vent components into place by sliding the pipe section onto the collar.
- Align the seam of the pipe and seam of collar to allow engagement. Rotate the vent component to lock into place. Use this procedure for all vent components. See Figure 7.5.
- Slide the gasket over the first vent section and place it flush to the appliance. This will prevent cold air infiltration. Caulk with a minimum of 300 °F (149 °C) continuous exposure rating may be used to hold the part in place.
- Continue adding vent components, locking each succeeding component into place.
- Ensure that each succeeding vent component is securely fitted and locked into the preceding component.

It is acceptable to use screws no longer than 1/2 in. (13 mm) to hold outer pipe sections together. If predrilling holes, **DO NOT** penetrate inner pipe.

Requirement for Commercial, Multi-family (Multi-level exceeding two stories), or High-Rise Applications

All outer pipe joints must be sealed using one of the methods below, including the slip section that connects directly to the horizontal termination cap.

- Apply a bead of silicone sealant (300 °F (149 °C) minimum continuous exposure rating) inside the female outer pipe joint prior to joining sections. See Figure 7.1 **OR**

Apply a bead of silicone sealant (300 °F minimum continuous exposure rating) to the outside of connecting joint after joining sections **OR**

Apply aluminum foil tape (300 °F (149 °C) minimum continuous exposure rating) to the outside of connecting joint after joining sections. On horizontal pipe runs, it is recommended that the tape seam is positioned on the bottom side of the vent pipe.

- Only outer pipes need to be sealed. All unit collar, pipe, slip section, elbow and cap outer flues shall be sealed in this manner, unless otherwise stated.

WARNING! Risk of Fire or Explosion! DO NOT break silicone seals on slip sections. Use care when removing termination cap from slip pipe. If slip section seals are broken during removal of the termination cap, vent could leak.

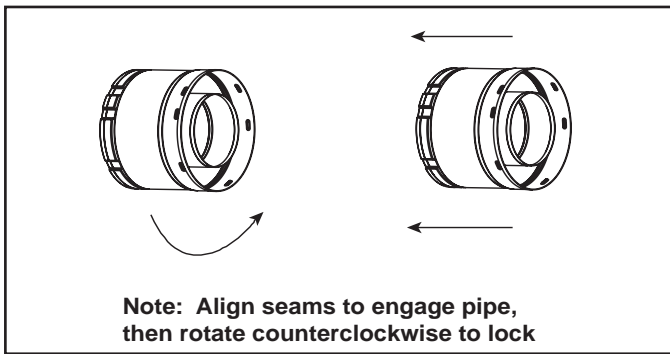


Figure 7.5 Adding Venting Components

NOTICE: When installing a vent system with an HRC termination cap, all pipe system joints shall be sealed using a high temperature silicone sealant (300 °F minimum continuous exposure rating).

- Apply a bead of silicone sealant (300 °F (149 °C) minimum continuous exposure rating) inside the female outer pipe joint prior to joining sections.
- Only outer pipes are sealed, sealing the inner flue is not required.
- All unit collar, pipe, slip section, elbow and cap outer flues shall be sealed.

B. Assemble Slip Sections

- Slide the inner flue of the slip section into the inner flue of the pipe section and the outer flue of the slip section over the outer flue of the pipe section. See Figure 7.6.
- Slide together to the desired length.

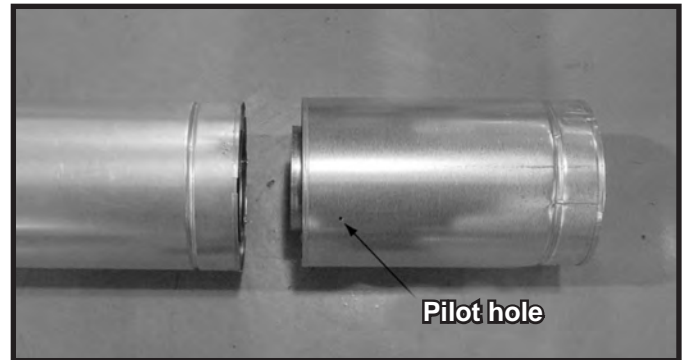


Figure 7.6 Slip Section Pilot Holes

- Maintain a 1-1/2 in. (38 mm) overlap between the slip section and the pipe section.
- Secure the pipe and slip section with two screws no longer than 1/2 in. (13 mm), using the pilot holes in the slip section. See Figure 7.7.

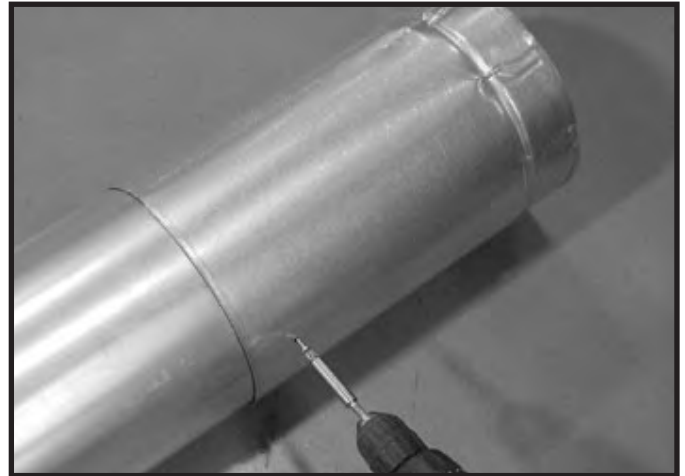


Figure 7.7 Screws into Slip Section

- Continue adding pipe as necessary following instructions in "Assembling Pipe Sections."

NOTICE: If slip section is too long, the inner and outer flues of the slip section can be cut to the desired length.

C. Secure the Vent Sections

- Vertical runs originating off the top of the appliance, with no offsets, must be supported every 8 ft. (2.44 m) after the maximum allowed 25 ft. (7.62 m) of unsupported rise.
- Vertical runs originating off the rear of the appliance, or after any elbow, must be supported every 8 ft. (2.44 m).
- Horizontal runs must be supported every 5 feet (1.52 m).
- Vent supports or plumbers strap (spaced 120° apart) may be used to support vent sections. See Figures 7.8 and 7.9.
- Wall shield firestops may be used to provide horizontal support to vent sections.
- SLP ceiling firestops have tabs that may be used to provide vertical support.

WARNING! Risk of Fire, Explosion or Asphyxiation! Improper support could allow vent to sag and separate. Use vent run supports and connect vent sections per installation instructions. **DO NOT** allow vent to sag below connection point to appliance.

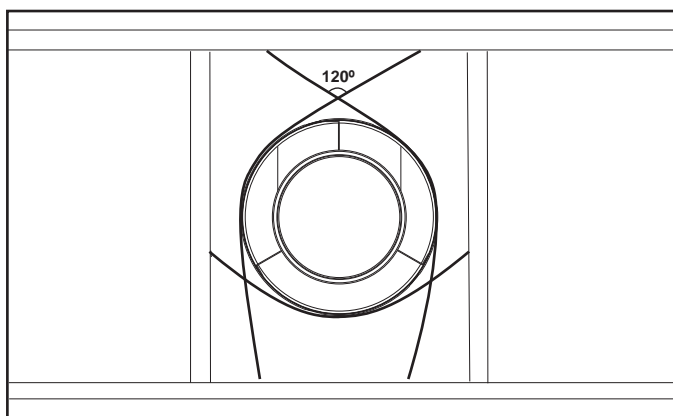


Figure 7.8 Securing Vertical Pipe Sections

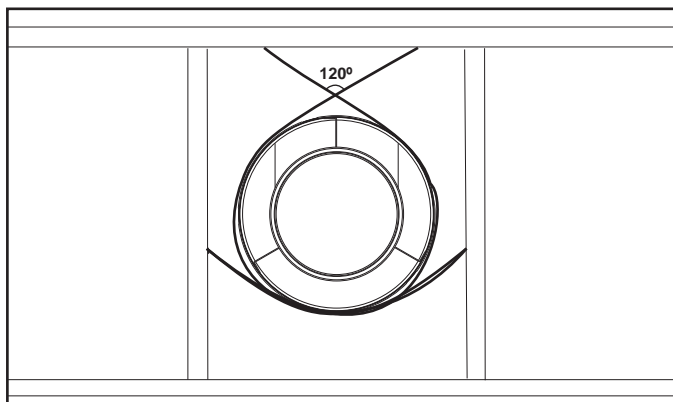


Figure 7.9 Securing Horizontal Pipe Sections

D. Disassemble Vent Sections

- Rotate either section (see Figure 7.10) so the seams on both pipe sections are aligned as shown in Figure 7.11.
- Pull carefully to separate the pieces of pipe.

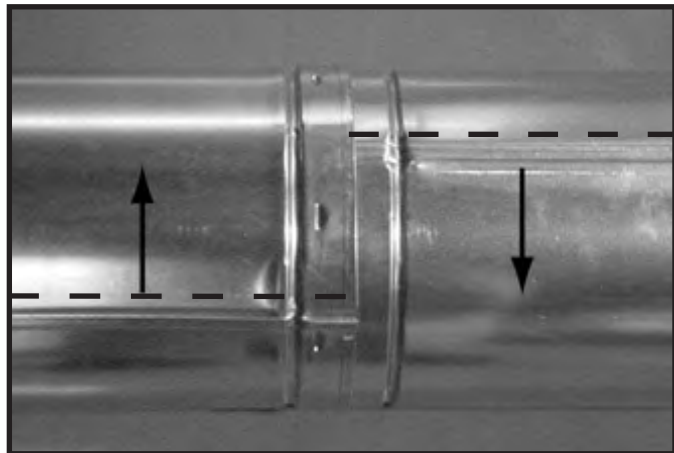


Figure 7.10 Rotate Seams for Disassembly

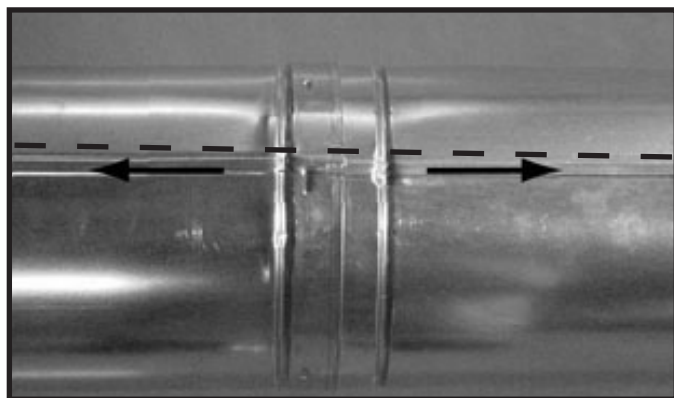


Figure 7.11 Align and Disassemble Vent Sections

E. Vertical Termination Requirements

Install and Seal Metal Roof Flashing

- See minimum vent heights for various pitched roofs (Section 4, Figure 4.1) to determine the length of pipe to extend through the roof.
- Slide the roof flashing over the pipe sections extending through the roof as shown in Figure 7.12.
- Use an elastomeric or silicone sealant with a minimum of 150 °F (66 °C) temperature rating to seal the metal roof flashing.

NOTICE: Failure to properly seal the roof flashing and pipe seams could permit entry of water.

- Seal the gap between the roof flashing and the outside diameter of the pipe.
- Seal the perimeter of the flashing where it contacts the roof surface. See Figure 7.12.
- Seal the exposed pipe section seams that are located above the roof.

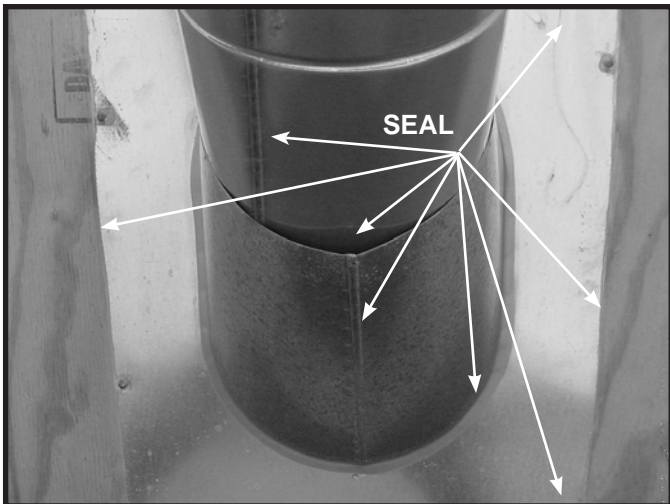


Figure 7.12

Assemble and Install Storm Collar

CAUTION! Risk of Cuts, Abrasions or Flying Debris. Wear protective gloves and safety glasses during installation. Sheet metal edges are sharp.

- Slide the storm collar onto the exposed pipe section and align brackets.
- Insert a bolt (provided) through the brackets and install nut. Do not completely tighten.



Figure 7.13 insert Bolt into Brackets

- Slide the assembled storm collar down the pipe section until it rests on the roof flashing (see Figure 7.13).
- Tighten nut and make sure the collar is tight against the pipe section.
- Seal around the top of the storm collar. See Figure 7.14.

Install Vertical Termination Cap

- Attach the vertical termination cap by sliding the inner collar of the cap into the inner flue of the pipe section while placing the outer collar of the cap over the outer flue of the pipe section.
- Secure the cap by driving three self-tapping screws (supplied) through the pilot holes in the outer collar of the cap into the outer flue of the pipe (see Figure 7.14).

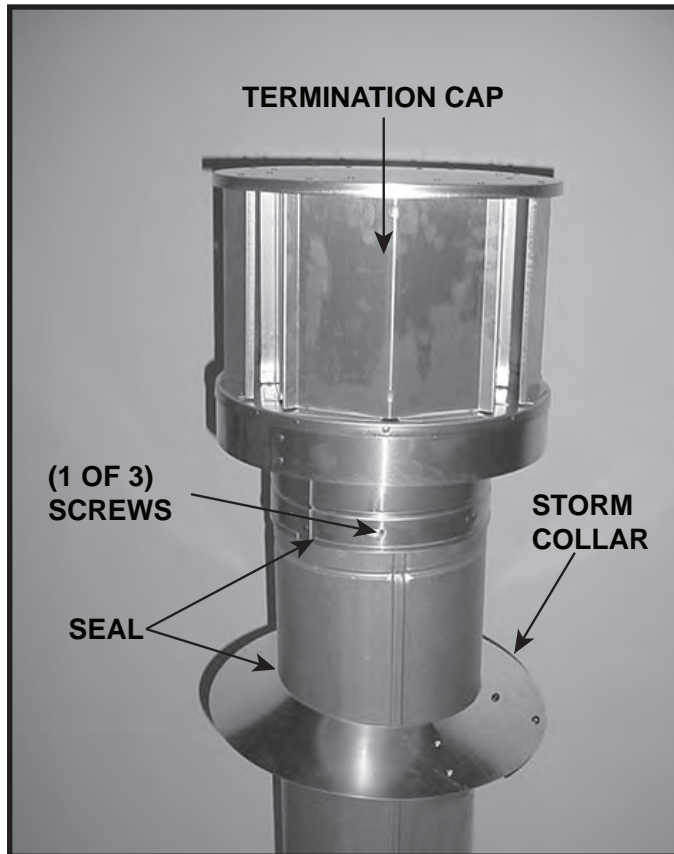


Figure 7.14

F. Horizontal Termination Requirements

Heat Shield Requirements for Horizontal Termination

WARNING! Risk of Fire! To prevent overheating and fire, heat shields must extend through the entire wall thickness.

- **DO NOT** remove the heat shields attached to the wall shield firestop and the horizontal termination cap (shown in Figure 7.15).
- Heat shields must overlap 1-1/2 in. (38 mm) minimum.

There are two sections of the heat shield. One section is factory-attached to the wall shield firestop. The other section is factory-attached to the cap. See Figure 7.15.

If the wall thickness does not allow the required 1-1/2 in. (38 mm) heat shield overlap when installed, an extended heat shield must be used.

- If the wall thickness is less than 4 in. (102 mm) (DVP) or 4-3/8 in. (111 mm) (SLP), the heat shields on the cap and wall shield firestop must be trimmed. A minimum 1-1/2 in. (38 mm) overlap **MUST** be maintained.
- Use an extended heat shield if the finished wall thickness is greater than 7-1/4 in. (184 mm).
- The extended heat shield may need to be cut to length maintaining sufficient length for a 1-1/2 in. (38 mm) overlap between heat shields.
- Attach the extended heat shield to either of the existing heat shields using the screws supplied with the extended heat shield. Refer to vent components diagrams in the back of this manual.
- Rest the small leg on the extended heat shield on top of the pipe section to properly space it from the pipe section.

Important Notice: Heat shields may not be field constructed.

Install Horizontal Termination Cap (DVP and SLP Pipe)

WARNING! Risk of Fire! The telescoping flue section of the termination cap **MUST** be used when connecting vent.

- 1-1/2 (38 mm) minimum overlap of flue telescoping section is required.

Failure to maintain overlap could cause overheating and fire.

- Vent termination must not be recessed in the wall. Siding may be brought to the edge of the cap base.
- Flash and seal as appropriate for siding material at outside edges of cap.

CAUTION! Risk of Burns! Local codes may require installation of a cap shield to prevent anything or anyone from touching the hot cap.

NOTICE: For certain exposures which require superior resistance to wind-driven rain penetration, a flashing kit and HRC caps are available. When penetrating a brick wall, a brick extension kit is available for framing the brick.

Note: When using termination caps with factory-supplied heat shield attached, no additional wall shield firestop is required on the exterior side of a combustible wall.

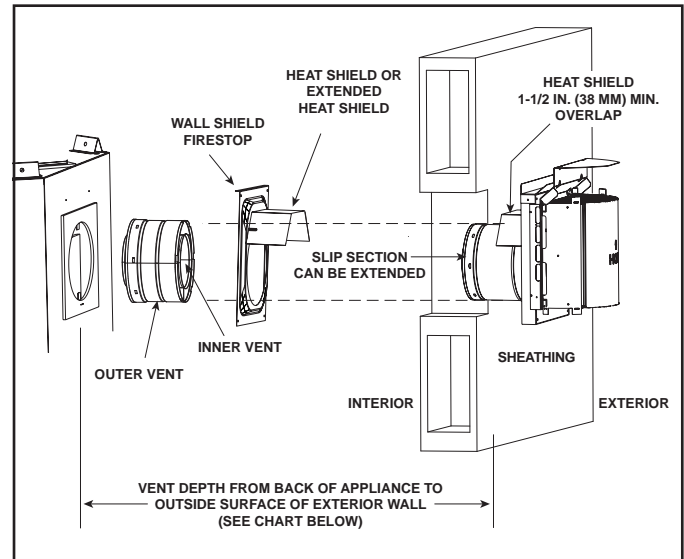


Figure 7.15 Venting Through the Wall - Generic Appliance Shown

Termination Cap Specification Chart
(depth without using additional pipe sections)

	DVP-TRAPK1	DVP-TRAP1	DVP-TRAPK2	DVP-TRAP2
	Top Vent Depth	Rear Vent Depth	Top Vent Depth	Rear Vent Depth
B36S-AU	N/A	3-1/8 in. to 5 in. (79 mm to 127 mm)	N/A	5-1/2 in. to 9-1/2 in. (140 mm to 241 mm)
	DVP-HPC1	DVP-HPC1	DVP-HPC2	DVP-HPC2
	Top Vent Depth	Rear Vent Depth	Top Vent Depth	Rear Vent Depth
	N/A	3-1/8 in. to 5-1/4 in. (79 mm to 133 mm)	N/A	5-1/4 in. to 9-3/8 in. (133 mm to 238 mm)

DVP-TRAP1 can adjust 1-1/2 in. (3-1/8 to 4-5/8)
38 mm (79 mm to 117 mm)

DVP-TRAP2 can adjust 4 in. (5-3/8 to 9-3/8)
102 mm (143 mm to 244 mm)

DVP-HPC1 can adjust 2-1/8 in. (4-1/4 to 6-3/8)
54 mm (32 mm to 162 mm)

DVP-HPC2 can adjust 4-1/8 in. (6-3/8 to 10-1/2)
105 mm (162 mm to 267 mm)

SLP-TRAP1 can adjust 1-5/8 in. (3-1/8 to 4-3/4)
41 mm (79 mm to 121 mm)

SLP-TRAP2 can adjust 4 in. (5-1/4 to 9-1/4)
102 mm (133 mm to 124 mm)

8 Electrical Information

A. General Information

WARNING! Risk of Shock or Explosion! DO NOT wire 220/240 VAC to the valve or to the appliance wall switch. Incorrect wiring will damage controls.

- Wire the appliance junction cord to unswitched 220/240 VAC. This is required for proper operation of the appliance.
- A 220/240 VAC 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.
- Low voltage and 220/240 VAC voltage cannot be shared within the same wall box.

Electrical Service and Repair

WARNING! Risk of Shock! Label all wires prior to disconnection when servicing controls. Wiring errors can cause improper and dangerous operation. Verify proper operation after servicing.

WARNING! Risk of injury! The gas supply shall be shut off prior to disconnecting the electrical power and removing batteries (if installed) before proceeding with any maintenance to the appliance.

WARNING! Risk of Shock! Replace damaged wire with type 105 °C rated wire. Wire must have high temperature insulation.

Accessories Requirements

- This appliance may be used with a wall switch, wall mounted thermostat and/or a remote control.

Wiring for optional Hearth & Home Technologies approved accessories should be done now to avoid reconstruction. Follow instructions that come with those accessories.

B. Wiring Requirements

IntelliFire™ Plus Ignition System Wiring

- Wire the appliance junction cord to 220/240 VAC for proper operation of the appliance.

WARNING! Risk of Shock or Explosion! DO NOT wire IPI controlled appliance junction cord to a switched circuit. Incorrect wiring will override IPI safety lockout.

- Refer to Figure 8.1, IPI Wiring Diagram.
- This appliance is equipped with an IntelliFire™ Plus control valve which operates on a 6VDC/1.5A system.
- Plug the 6DVC power adapter plug into the appliance junction cord to supply power to the appliance OR install 4 AA cell batteries (not included) into the battery pack before use.

NOTICE: Batteries should only be used as a power source in the event of an emergency power outage. Batteries should not be used as a primary long-term power source. Battery polarity must be correct when installing batteries. When using batteries as a power source, the 6VDC power adapter must be unplugged from the receptacle.

Do not store batteries in the battery pack when the appliance is powered by the 6VDC power adapter connected to permanent electrical service.

Accessories Requirements

Wiring for optional Hearth & Home Technologies approved accessories should be done now to avoid reconstruction. Follow instructions that come with those accessories.

C. Control Module Operation

See Section 3.1 of the Owner's Manual for Control Module Operation.

Hearth & Home Technologies disclaims any responsibility for, and the warranty will be voided by, the following actions:

- Installation and use of any damaged system component.
- Modification of the system component.
- Installation other than as instructed by Hearth & Home Technologies.
- Installation and/or use of any component part not approved by Hearth & Home Technologies.

Any such action may cause a fire hazard.

- Read, understand and follow these instructions for safe installation and operation.

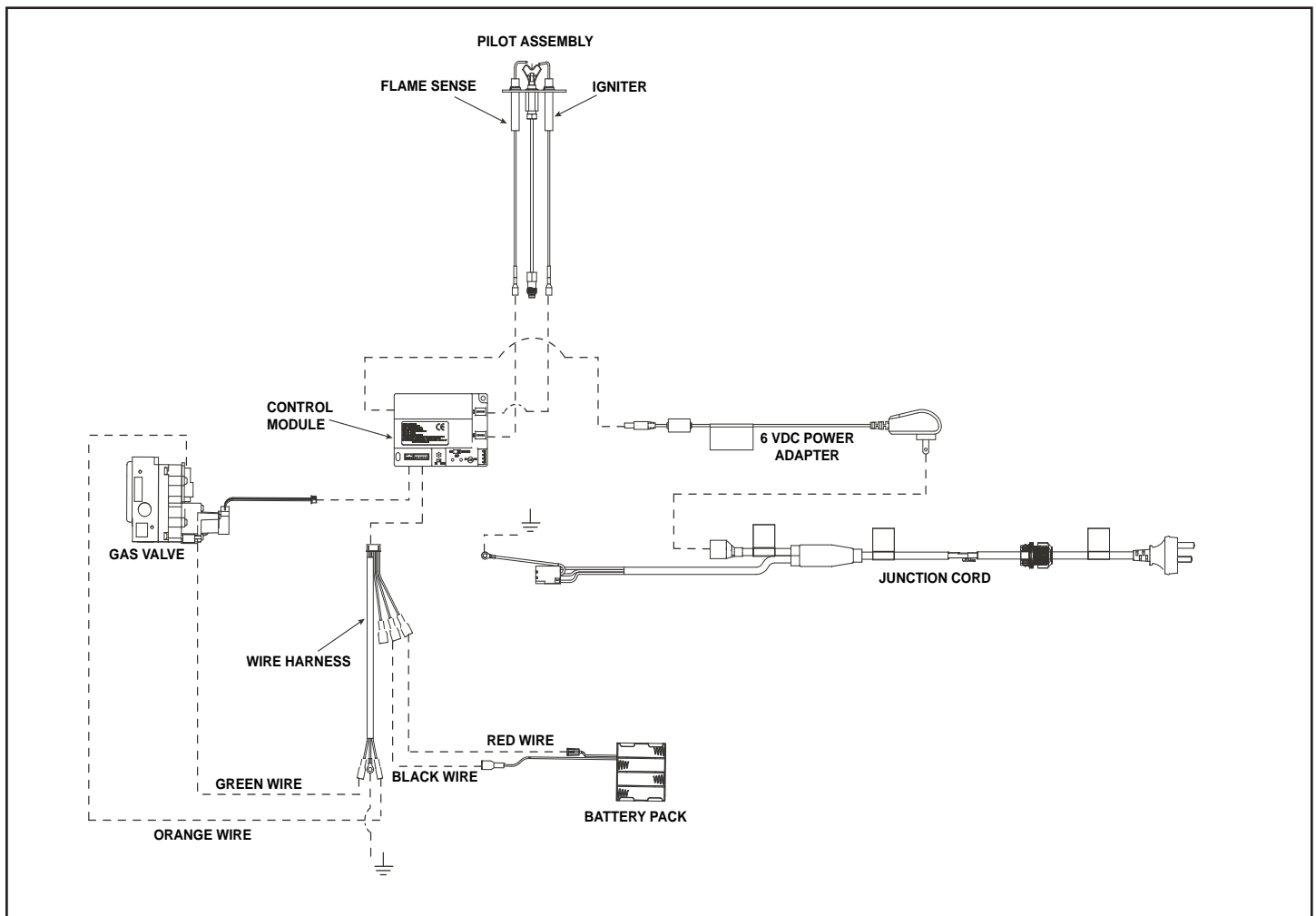


Figure 8.1 IntelliFire™ Plus Wiring Diagram

9 Gas Information

A. Fuel Conversion

- Make sure the appliance is compatible with available gas types.
- Conversions must be made by a qualified service technician using Hearth & Home Technologies specified and approved parts.

B. Gas Pressure

WARNING! Risk of Explosion! An in-line regulator **MUST** be installed if the gas pressure exceeds 3.4 kPa. Failure to install a regulator could damage valve.

Pressure requirements for B36S-AU fireplaces are shown in the table below.

Two taps are provided on the right hand side of the gas control for a test gauge connection to measure the inlet and outlet pressures.

The fireplace and its individual shut-off valve must be disconnected from the gas supply piping system during any pressure testing of the system at test pressures in excess of 6 kPa.

If the fireplace must be isolated from the gas supply piping system by closing an individual shut-off valve, it must be of the handle-less type.


- Optimum appliance performance requires proper input pressures.
- Pressure requirements are:

Gas Pressure	Natural Gas	Propane
Minimum inlet pressure	1.13 kPa	2.75 kPa
Maximum inlet pressure	3.4 kPa	3.4 kPa
Manifold pressure	0.87 kPa	2.49 kPa

WARNING! Risk of Fire or Explosion! High pressure will damage valve. Low pressure could cause explosion.

- Verify inlet pressures. Verify minimum pressures when other household gas appliances are operating.
- Install regulator upstream of valve if line pressure is greater than 3.4 kPa.

⚠ WARNING



Fire Risk.
Explosion Hazard.
High pressure will damage valve.

- Disconnect gas supply piping **BEFORE** pressure testing gas line at test pressures above 1/2 psig.
- Close the manual shutoff valve **BEFORE** pressure testing gas line at test pressures equal to or less than 1/2 psig.

C. Gas Service Access

Note: This appliance does include a manual gas shutoff valve that is located in the valve compartment. This manual gas shutoff valve is accessible for service by removing the decorative front. The valve is most accessible if it is located forward in the control cavity of the appliance.

Depending upon local code, an additional manual gas shutoff, in a readily accessible area may be required and located upstream from the appliance.

D. Gas Connection

Note: Have the gas supply line installed in accordance with local building codes by a qualified installer approved and/or licensed as required by the locality.

Note: Before the first firing of the appliance, the gas supply line should be purged of any trapped air.

Note: Consult local building regulations to properly size the gas supply line leading to the (Rp 1/2 in.) hook-up at the unit.

Incoming gas line should be piped into the valve compartment and connected to the ISO 7-Rp 1/2 (BSP Rp 1/2) threaded gas inlet connection on the manual shutoff valve.

IMPORTANT NOTICE: (Items 1, 2 and 3 applies to ALL Hearth & Home Technologies gas appliances)

1. **1/2 in. (13 mm) GAS LINE:** Run through cavity 70 mm above finished hearth level, **NOT RIGID, NOT CLIPPED**, with minimum 500 mm into cavity and 120 mm back from plaster face.
2. **PVC (COMPOSITE) GASLINE** must terminate minimum 500 mm short of gas heater. Copper pipe **MUST** be the final connection to the gas heater.
3. **ISOLATING SWITCH:** Location within 1 metre of fireplace, subject to mantel piece etc. Check to ensure it remains clear of any mantelpiece installation.

Leak test all gas line points and the gas control valve prior to and after starting the gas appliance.

E. High Altitude Installations

NOTICE: If the heating value of the gas has been reduced, these rules do not apply. Check with your local gas utility or authorities having jurisdiction.

When installing above 2000 ft. (610 m) elevation:

Reduce input rate 4% for each 1000 ft. (305 m) above 2000 ft. (610 m).

F. Air Shutter Setting

Air shutter settings should be adjusted by a qualified service technician at the time of installation.

Factory Pre-Set Air Shutter Settings

B36S-AU (NG)	3/16 in. (5 mm)
B36S-AU (PROPANE)	Full Open (14 mm)

The Natural Gas Shutter setting is pre-set for the minimum (vertical and horizontal) one elbow horizontally terminating application. For appliance intended to operate with Propane Gas, a conversion kit is required and the air shutter is to be adjusted during the conversion and shutter verification process.

Air shutter settings should be adjusted by a qualified service technician at the time of installation. Adjust air shutter for longer vertical runs. Locate the shutter under the burner attached to the burner neck. See Figure 9.1

- Loosen the 1/4 in. (6 mm) screw.
- Twist the air shutter to adjust.
- Tighten the 1/4 in. (6 mm) screw.

Shutter Setting Verification / Flame Appearance

- After 15 minutes, the flames will be a yellow/blue mix. The front flames may be blue at this time.
- After 30 minutes, the flames should be yellow with some blue flames near the burner ports.
- After 1 hour, the flame will be at its maximum maturity.

NOTICE: *Flames should not appear orange or stretch to the top refractory. If flames are dark orange with dark, smoky tips, provide more primary air to the burner by opening the air shutter accordingly.*

Note: Visually, a propane flame may differ from a natural gas flame. This is due to the different chemical compositions that make up both fuel types. In general, the propane (LP) flames may be a little shorter and much brighter than a natural gas (NG) flame.

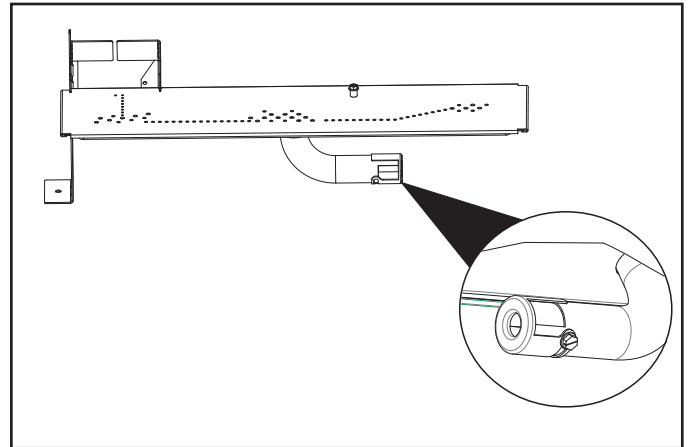


Figure 9.1 Air Shutter Adjustment

10 Finishing

A. Facing Material

- Metal front faces may be covered with non-combustible materials only.
- Facing and/or finishing materials must not interfere with air flow through louvers, operation of louvers or decorative fronts, or access for service.
- Facing and/or finishing materials must never overhang into the glass opening.
- Observe all clearances when applying combustible materials.
- Confirm that appliance is plum, square and level. See Section 6.
- Seal joints between the finished wall and appliance top and sides using a 300 °F (149 °C) minimum sealant. Refer to Figure 10.1

WARNING! Risk of Fire! DO NOT apply combustible materials beyond the minimum clearances. Comply with all minimum clearances to combustibles as specified in this manual. Overlapping materials could ignite and will interfere with proper operation of decorative barrier fronts and fireplace openings.

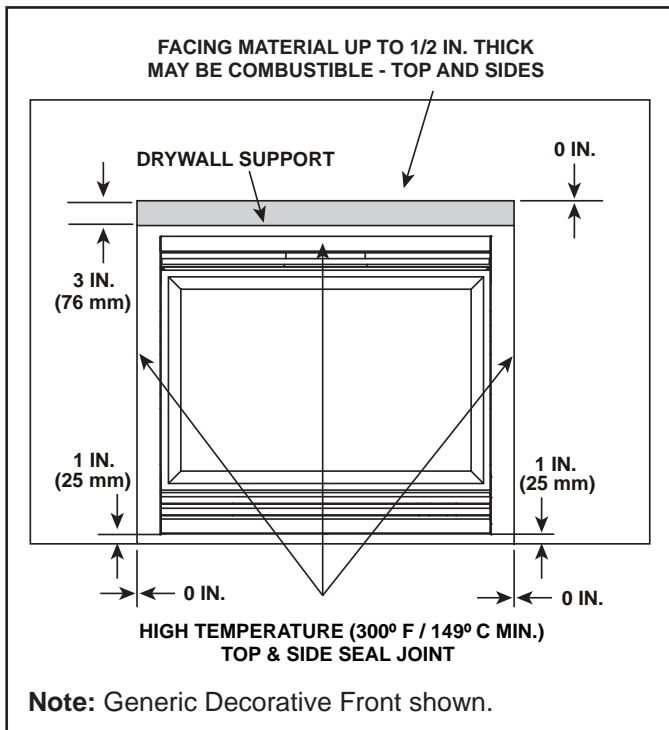


Figure 10.1 Non-combustible Facing Diagram

NOTICE: Surface temperatures around the appliance will become warm while the appliance is in operation. Ensure finishing materials used for all surfaces (floor, walls, mantels, etc.) will withstand temperatures up to 190 °F (88 °C).

B. Mantel and Wall Projections

WARNING! Risk of Fire! Comply with all minimum clearances as specified. Framing closer than the minimums listed must be constructed entirely of noncombustible materials (i.e., steel studs, concrete board, etc.)

Note: Measurement is taken from top edge of the appliance.

Combustible or Non-Combustible Mantels

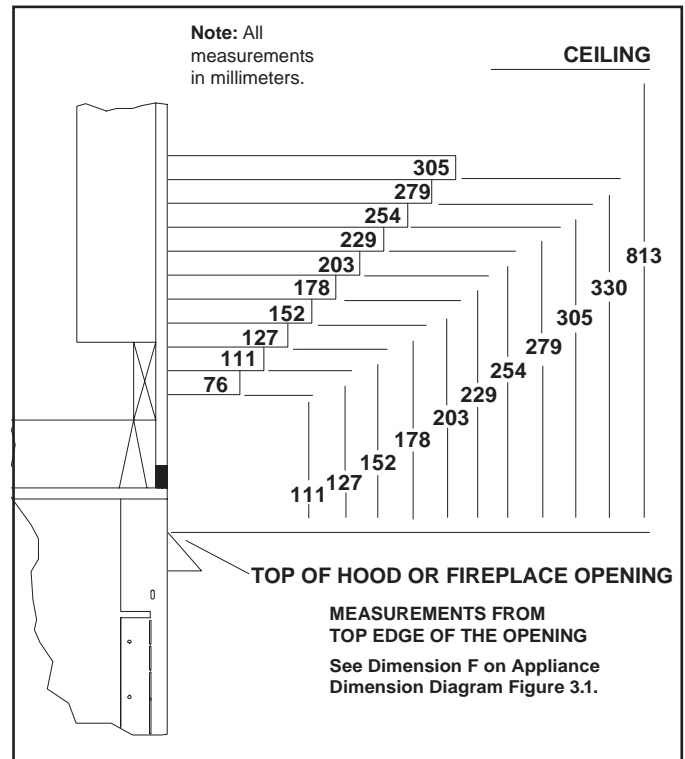


Figure 10.2 Combustible Mantels, Non-Combustible Mantels, and Other Combustibles

Combustible Mantel Legs or Wall Projections

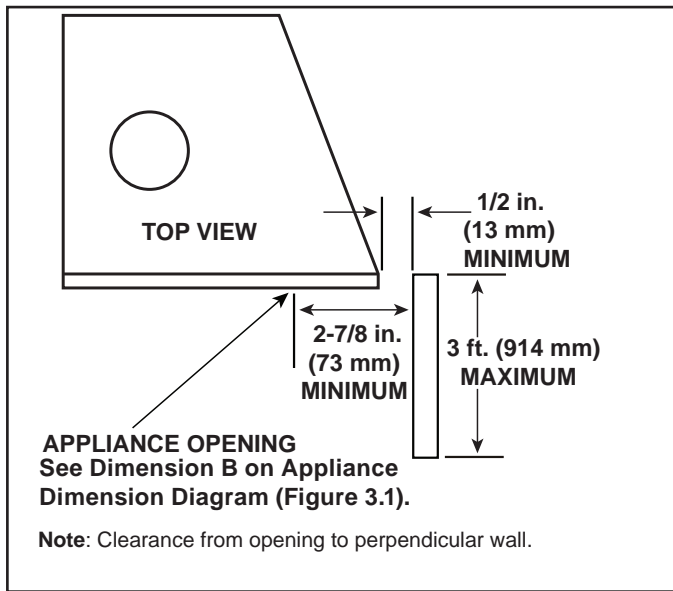


Figure 10.3 Combustible Mantel Leg (Acceptable on both sides of opening)

Non-Combustible Mantel Legs or Wall Projections

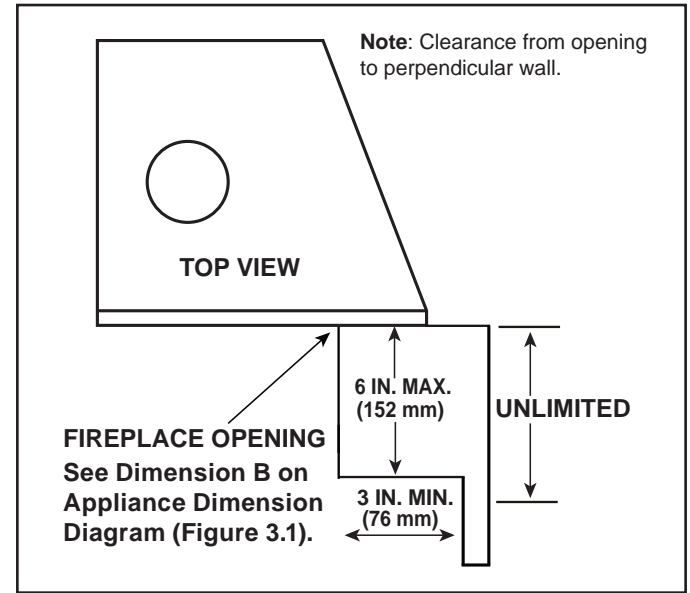


Figure 10.5 Non-Combustible Mantel Leg or Wall Projections (Acceptable on both sides of opening)

Combustible Mantel Legs or Wall Projections

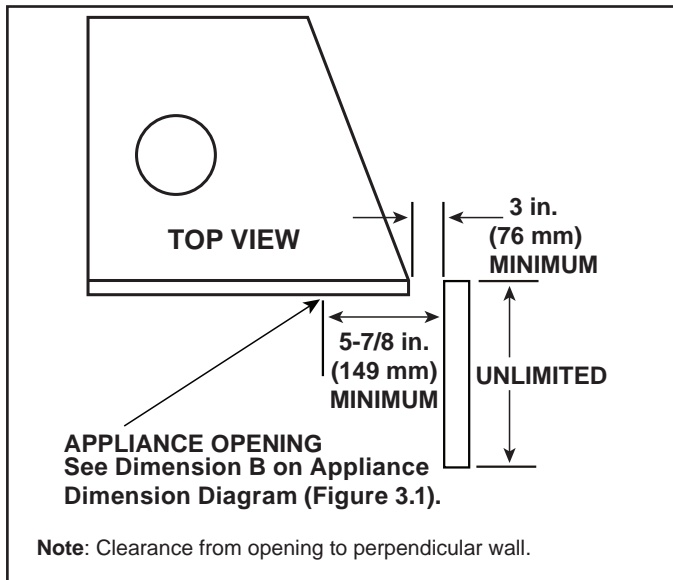


Figure 10.4 Wall Projection (acceptable on one side of opening)

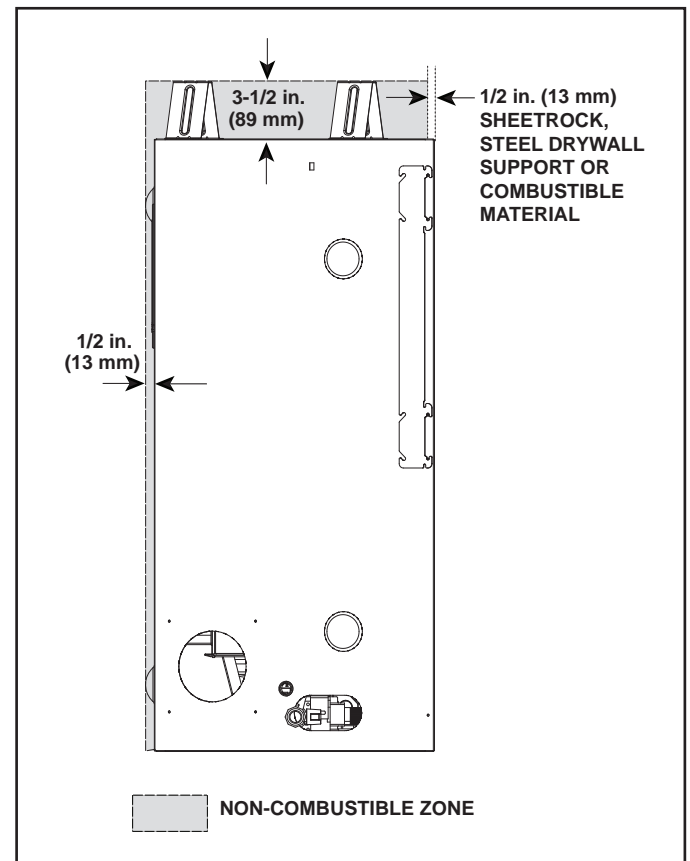


Figure 10.6 Non-Combustible Zone

C. Decorative Barrier Front Finishing

Only decorative fronts certified for use with this appliance model may be used. Contact your dealer for a list of decorative barrier fronts that may be used. Once you have determined what kind of decorative front and finishing material is going to be used on the appliance, use the information below which shows the decorative barrier front models and the non-combustible finishing material thickness allowed.

THE GUARD IS FITTED TO THIS APPLIANCE TO REDUCE THE RISK OF FIRE OR INJURY FROM BURNS AND NO PART OF IT SHOULD PERMANENTLY BE REMOVED. FOR PROTECTION OF YOUNG CHILDREN OR THE INFIRM. A SECONDARY GUARD IS REQUIRED.

Note: Refer to Section 3 for individual decorative barrier front dimensions as installed on appliance.

Inside Fit - Firescreen Front (1-4 in. (0-102 mm) Finishing)

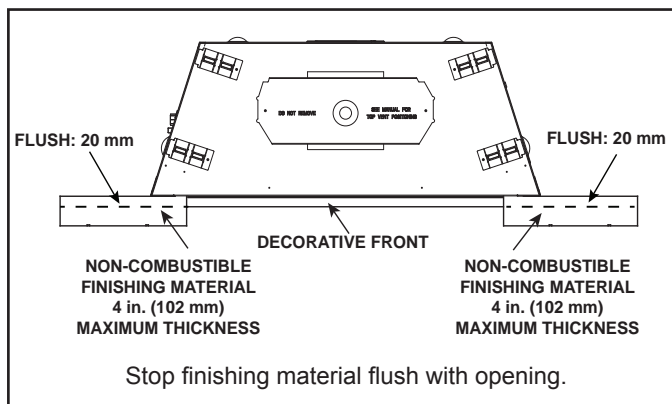


Figure 10.7 Firescreen Decorative Barrier Front

Flush Mounting Firescreen Front: 20 mm of non-combustible finishing material may be used to create a flush mounted front. See Figure 10.7.

11 Appliance Setup

A. Remove the Shipping Materials

Remove shipping materials from inside or underneath the firebox.

- The splatter guard is a piece of corrugated material used to protect the appliance during the installation process before finishing work on the whole hearth is complete. Splatter guards may be factory installed or accompany the door of the unit, depending on the fireplace model. Splatter guards must be removed before appliance is fired.

WARNING! Risk of Fire! Close the ball valve before installing the splatter guard to prevent accidental lighting. Remove the splatter guard before lighting the appliance.

B. Clean the Appliance

Clean/vacuum any sawdust that may have accumulated inside the firebox or underneath in the control cavity.

C. Install the Log Assembly

LOG PLACEMENT INSTRUCTIONS

Log Set Assembly: LOGS-3732, LOGS-DV4236

Models: DV3732, DV3732L, MDV3732, DV4236, DV3732-B, DV3732L-B, DV4236-B, MDV3732-B, MDV3732-C, B36S-AU

CAUTION: Logs are fragile, handle with care.
See Figure 1 for log identification.

NOTICE: DO NOT bend handbend tabs in basepan.
They must remain flat for proper log placement.

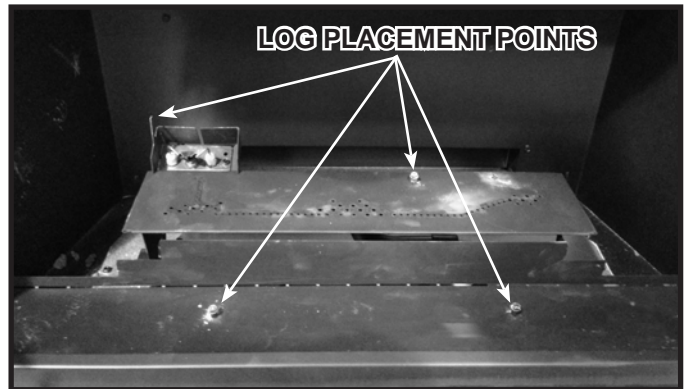
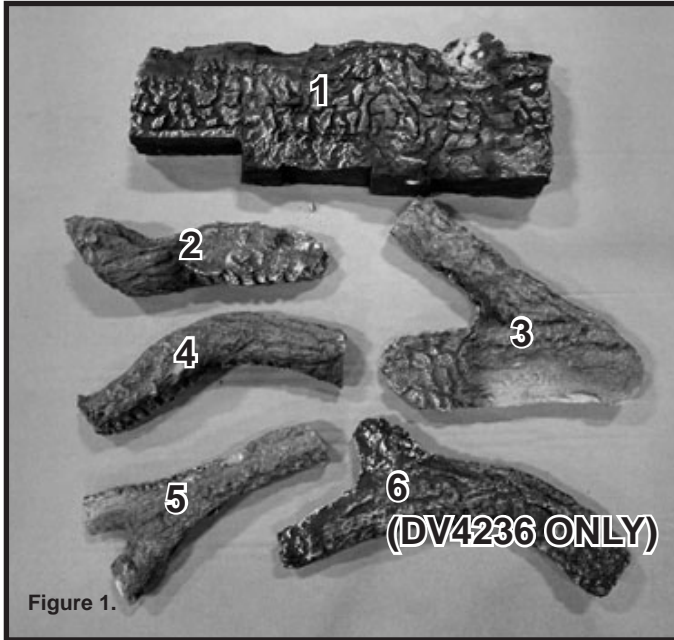
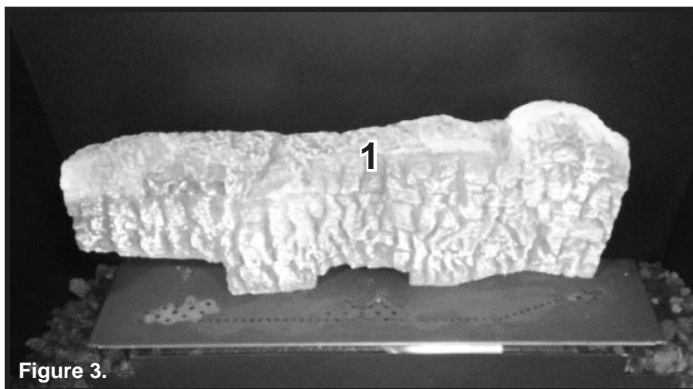
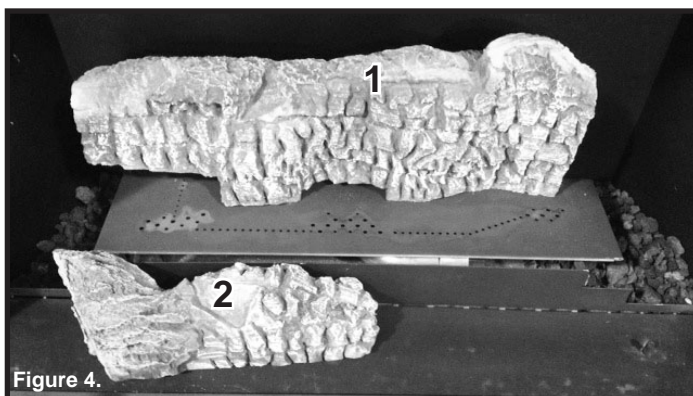


Figure 2.

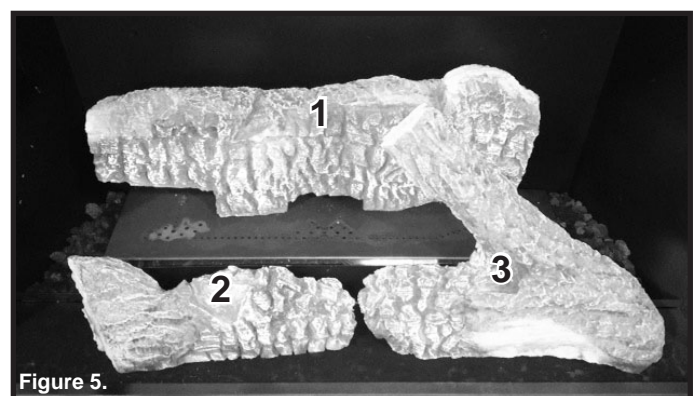
Figure 2 shows the log placement points for LOGS-3732 and LOGS-DV4236. There are three shoulder screws and a tab on the pilot hood.



Log #1 SRV2355-701 (LOGS 3732) and SRV2399-701 (LOGS-DV4236): Locate the bottom right hole on Log #1 with the shoulder screw on the burner top. Locate the bottom left hole on Log#1 with the tab on the pilot hood. See Figure 3.



Log #2 SRV2355-702 (LOGS-3732 and LOGS-DV4236): Locate the bottom hole on Log #2 with the shoulder screw on the left front side of the base pan. See Figure 4.



Log #3 SRV2355-703 (LOGS-3732 and LOGS-DV4236): Locate the bottom hole on Log #3 with the shoulder screw on the right front side of the base pan. See Figure 5.

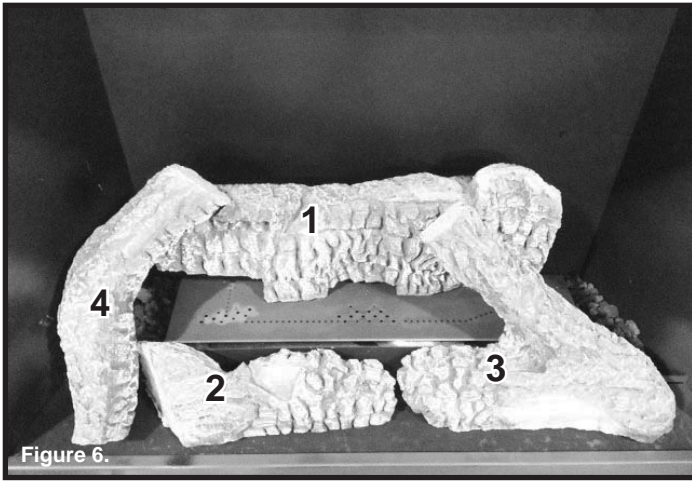


Figure 6.

Log #4 SRV2033-711 (LOGS-3732 and LOGS-DV4236):

LOGS-3732: Place the right end of Log #4 on the flat spot on the left side of Log #1 and the left end of Log #4 on the base pan. See Figure 6.

LOGS-DV4236: Place the bottom of Log #4 on the base pan, resting it on the return bend. Then place the top end of the log on the flat spot on the left side of Log #1.

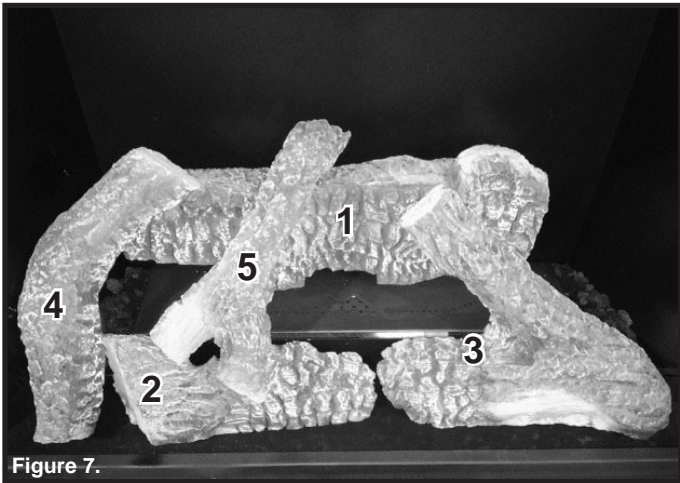


Figure 7.

Log #5 (SRV2033-710): Place Y section of Log #5 on the flat spot of Log #2 and the right end of Log #5 on the flat spot of Log #1. See Figure 7.



Figure 8. LOGS-DV4236 Installed

LOGS-DV4236 ONLY

Log #6 SRV2391-711 (LOGS-DV4236): Place the right end of Log #6 on the base pan and the left end onto Logs #1 and #3, so that one limb is touching each log as shown in Figure 8.

D. Ember and Lava Rock Placement

Placing the Ember Material

WARNING! Risk of Explosion! Follow ember placement instructions in manual. **DO NOT** place embers directly over burner ports. Replace ember material annually. Improperly placed embers interfere with proper burner operation. Ember material is shipped with this gas appliance.

To place the ember material:

- Embers **CANNOT** be placed in pilot bracket area. See Figure 11.1. Care should be taken not to cover the lighting trail of ports (from back to front).
- When placing Glowing Embers® onto the burner care should be taken so that the ports are not covered. Place the dime-size ember pieces near the port holes in the burner top (see Figure 11.1). Failure to follow this procedure will likely cause lighting and sooting problems..
- Save the remaining ember materials for use during appliance servicing. The embers provided should be enough for 3 to 5 applications.

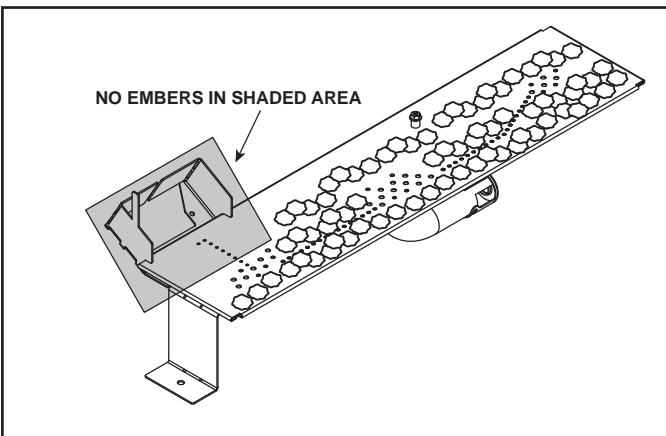


Figure 11.1 Placement of Embers

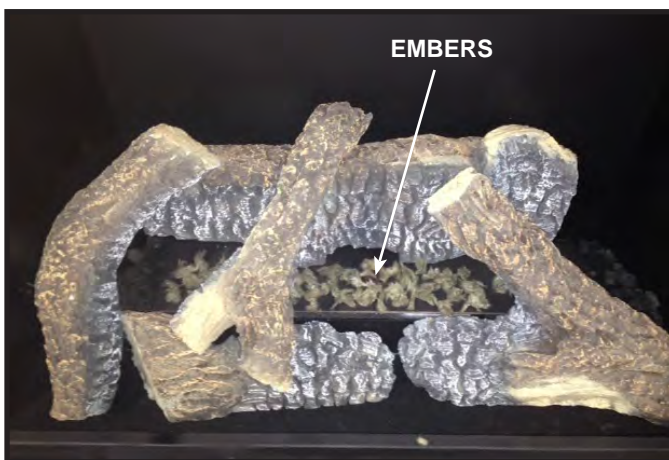



Figure 11.2

Placing the Lava Rock

Place lava rock over the remaining base pan surfaces. (**DO NOT COVER THE BURNER PORTS WITH THE LAVA ROCK**) See Figure 11.3.

⚠ WARNING	
	RISK OF EXPLOSION!
	<ul style="list-style-type: none">• Place lava rock according to instructions.• Do NOT place lava rock on burner top. <ul style="list-style-type: none">• Use ONLY Hearth & Home Technologies-approved optional media with this appliance.• Do NOT use more than 3 pounds of lava rock per fireplace. <p>Improperly placed lava rock interferes with proper burner operation. Delayed ignition may occur.</p>

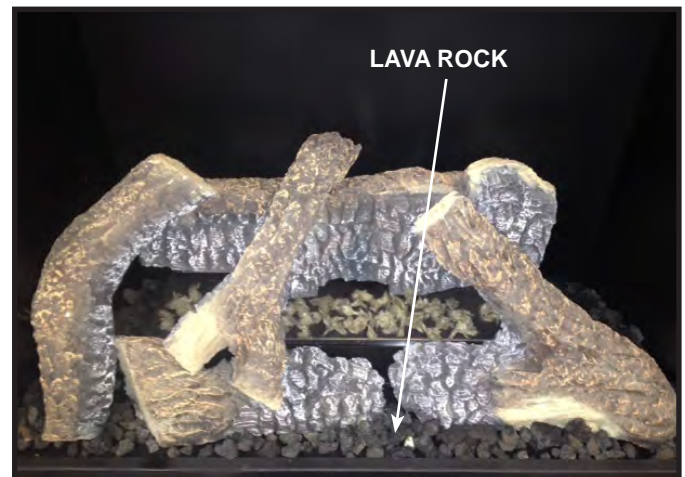


Figure 11.3

E. Fixed Glass Assembly

Removing Fixed Glass Assembly

WARNING! Risk of Asphyxiation! Handle fixed glass assembly with care. Inspect the gasket to ensure it is undamaged and inspect the glass for cracks, chips or scratches.

- **DO NOT** strike, slam or scratch glass.
- **DO NOT** operate fireplace with glass removed, cracked, broken or scratched.
- Replace as a complete assembly.

Removing Fixed Glass Assembly

- Pull the four glass assembly latches out of the groove on the glass frame. Remove glass door from the appliance. See Figure 11.4.

Replacing Fixed Glass Assembly

- Replace the glass door on the appliance. Pull out and latch the four glass assembly latches into the groove on the glass frame.

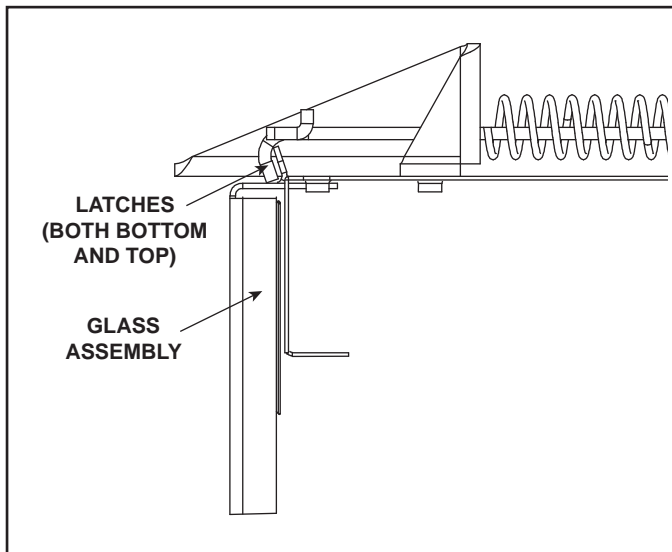


Figure 11.4 Fixed Glass Assembly

F. Install Decorative Front/Hood

WARNING! Risk of Fire! Install **ONLY** doors or fronts approved by Hearth & Home Technologies. Unapproved doors or fronts could cause fireplace to overheat.

This fireplace has been supplied with an integral barrier to prevent direct contact with the fixed glass panel. DO NOT operate the fireplace with the barrier removed.

Contact your dealer or Hearth & Home Technologies if the barrier is not present or help is needed to properly install one.

1. Remove decorative front by lifting up and away from appliance.
2. Install four shoulder bolts as shown in figure 11.5.
3. Hang decorative front onto shoulder bolts.
4. Install hood on appliance by inserting into the two hood clips. See Figure 11.5.

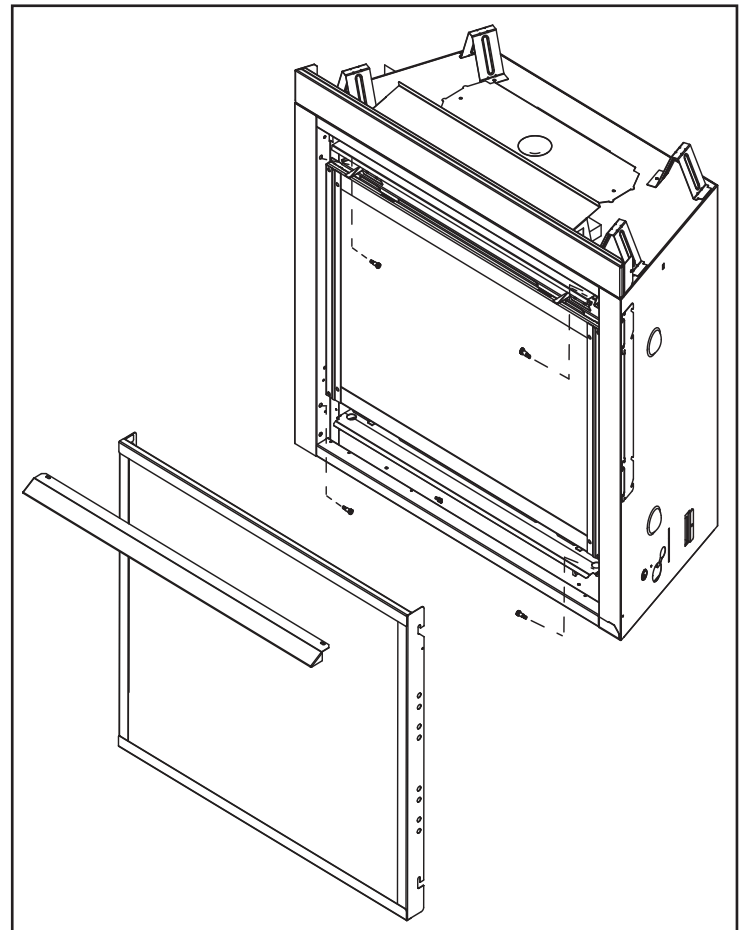


Figure 11.5 Install Decorative Front and Hood

12 Reference Materials

A. Vent Components Diagrams

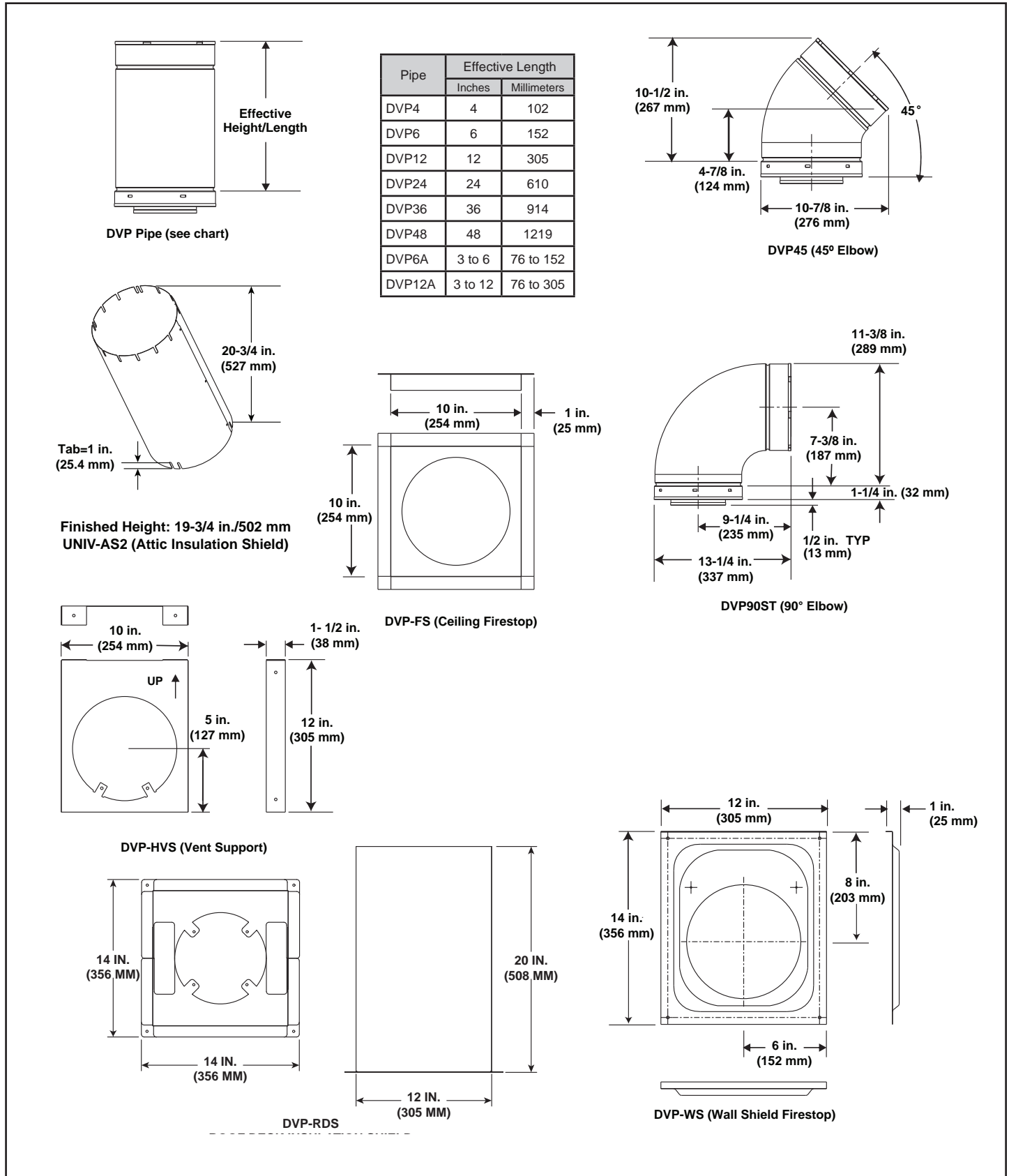
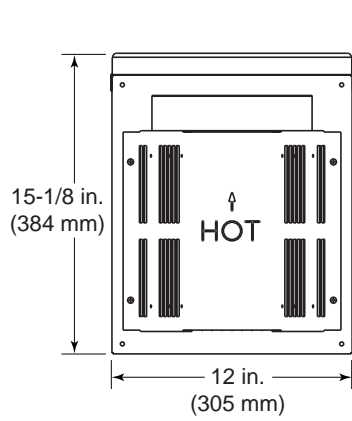


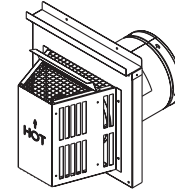
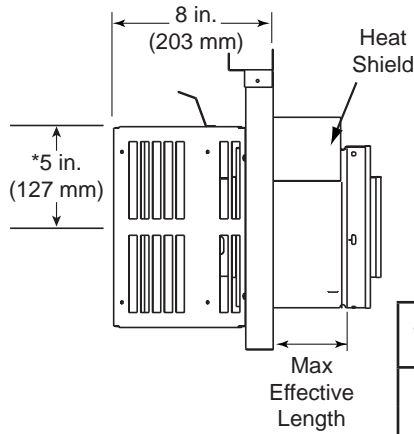
Figure 12.1 DVP Vent Components

A. Vent Components Diagrams (continued)

Note: Heat shields MUST overlap by a minimum of 1-1/2 in. (38 mm). **The heat shield is designed to be used on a wall 4 in. to 7-1/4 in. (102 mm to 184 mm) thick.** If wall thickness is less than 4 in. (102 mm) the existing heat shields must be field trimmed. If wall thickness is greater than 7-1/4 in. (184 mm) a DVP-HSM-B will be required.

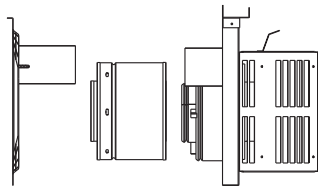


DVP-TRAP
Horizontal Termination Cap

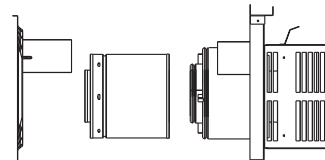


* Center of the horizontal vent pipe to the vertical measuring surface.

Term Cap	Minimum Effective Length	Maximum Effective Length
Trap1	3-1/8 in.	4-5/8 in.
	79 mm	117 mm
Trap2	5-3/8 in.	9-3/8 in.
	137 mm	238 mm



DVP-TRAP1



DVP-TRAP2

Figure 12.2 DVP Vent Components

A. Vent Components Diagrams (continued)

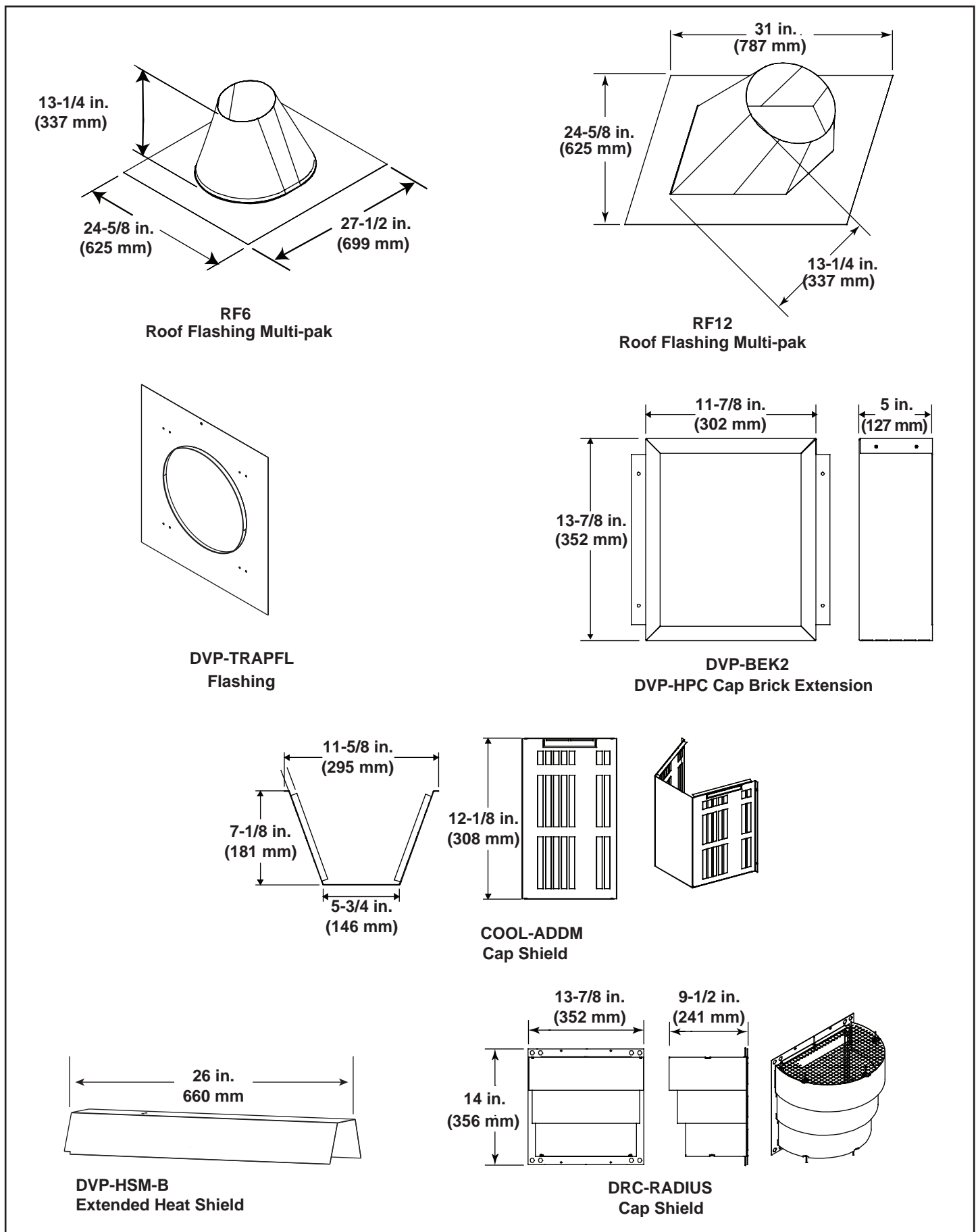


Figure 12.3 DVP Vent Components

A. Vent Components Diagrams (continued)

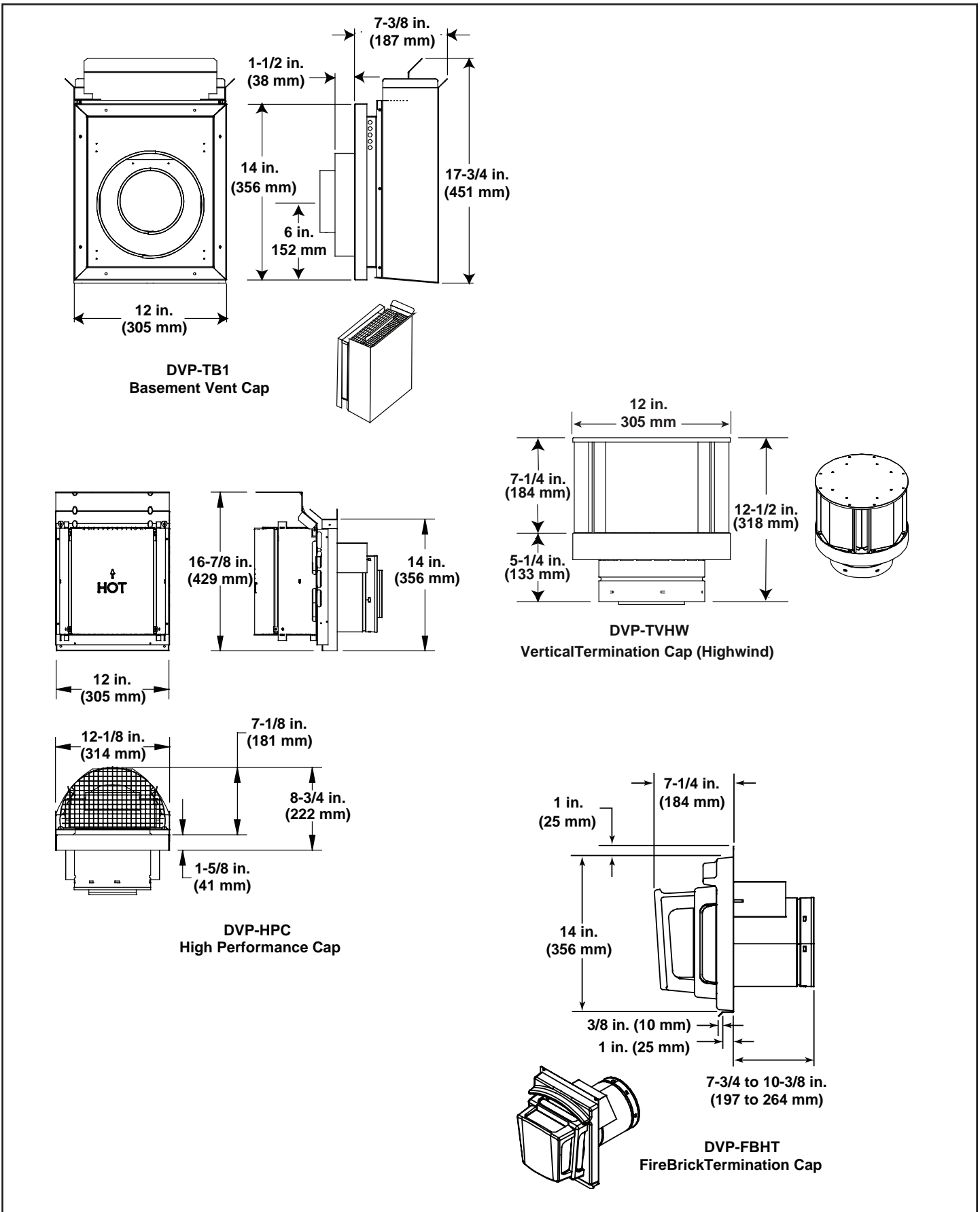


Figure 12.4 DVP Vent Components

A. Vent Components Diagrams (continued)

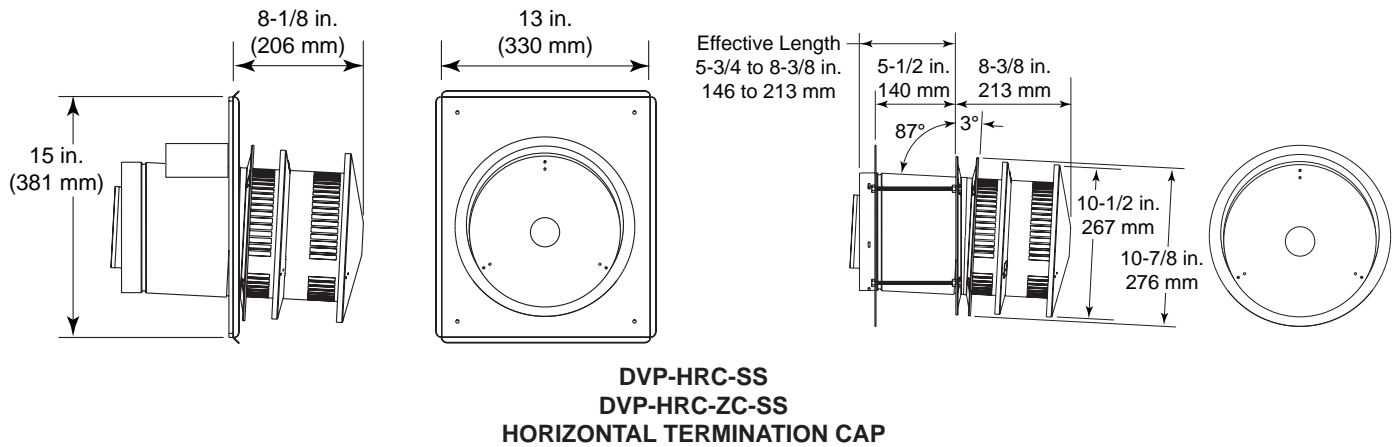


Figure 12.5 DVP Vent Components

⚠ WARNING

Fire Risk.

- When using SLP-HRC-SS termination cap on top vented fireplaces, a one foot minimum vertical vent section is required before installing first elbow.
- When using DVP-TB1 termination cap on top vented fireplaces, a three foot minimum vertical vent section is required before installing first elbow.

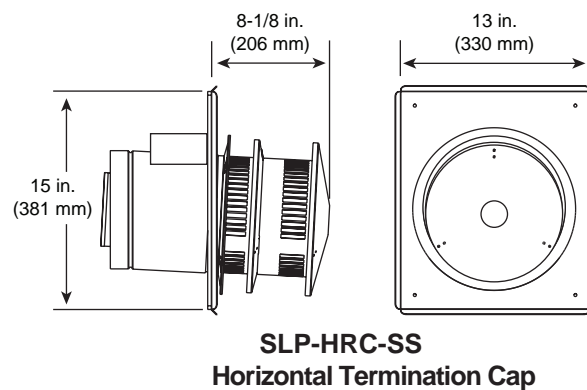


Figure 12.6 SLP Vent Components

A. Vent Components Diagrams (continued)

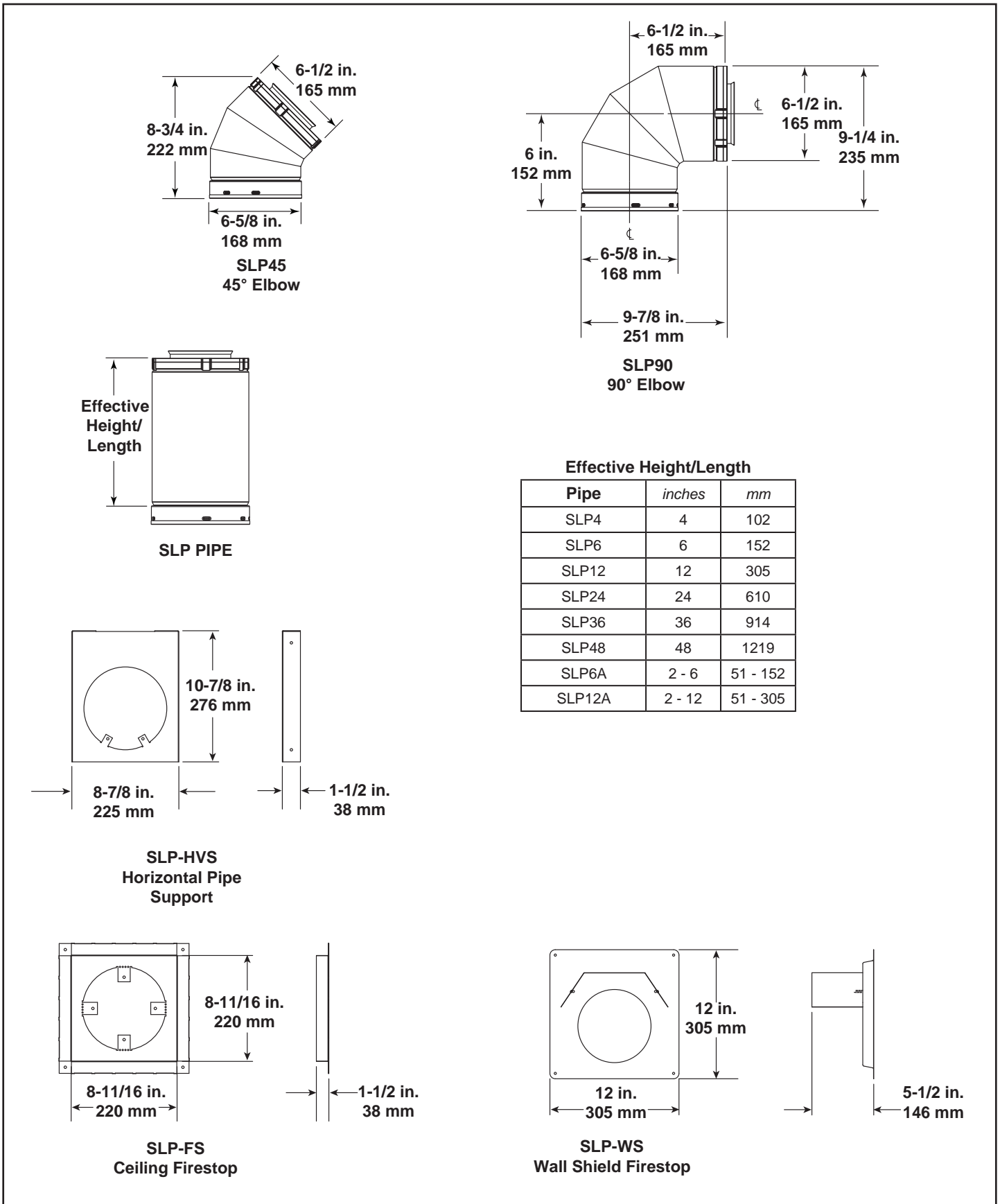
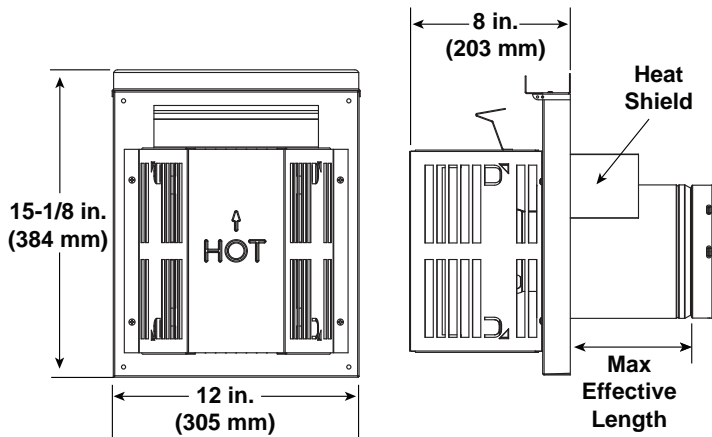


Figure 12.7 SLP Series Vent Components

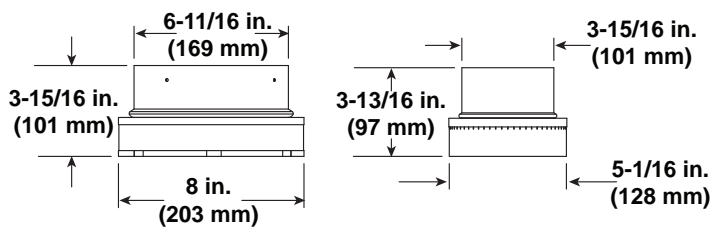
A. Vent Components Diagrams (continued)

Note: Heat shields MUST overlap by a minimum of 1-1/2 in. (38 mm). The heat shield is designed to be used on a wall 4 in. to 7-1/4 in. (102 mm to 184 mm) thick. If wall thickness is less than 4 in. (102 mm) the existing heat shields must be field trimmed. If wall thickness is greater than 7-1/4 in. (184 mm) a DVP-HSM-B will be required.

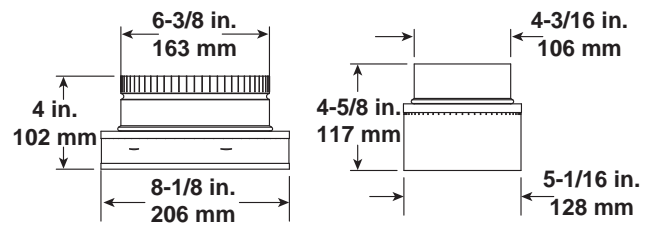


SLP-TRAP
Horizontal Termination Cap

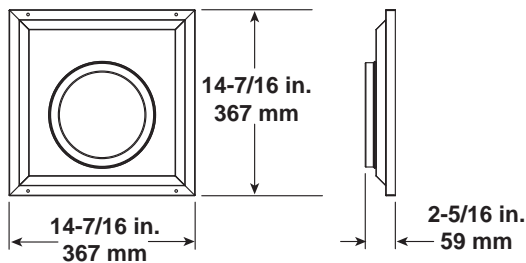
Term Cap	Minimum Effective Length	Maximum Effective Length
Trap1	3-1/8 in.	4-3/4 in.
	79 mm	121 mm
Trap2	5-1/4 in.	9-1/4 in.
	133 mm	235 mm



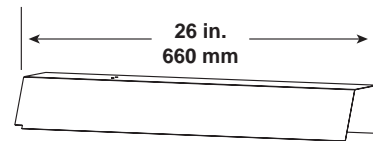
SL-2DVP
Adapter



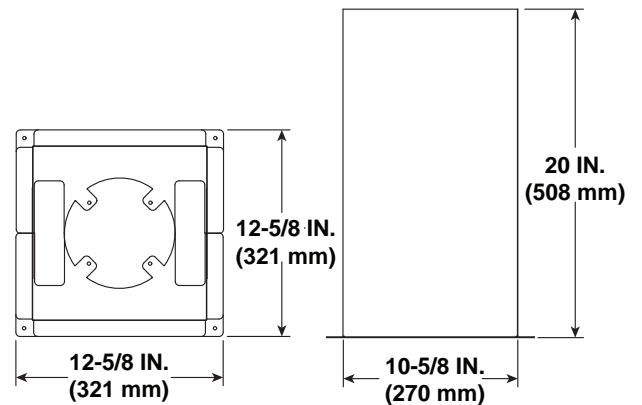
DVP-2SL
Adapter



SLP-WT-BK
Wall Thimble-Black



DVP-HSM-B
Extended Heat Shield



SLP-RDS
ROOF DECK INSULATION SHIELD

Figure 12.8 SLP Series Vent Components

A. Vent Components Diagrams (continued)

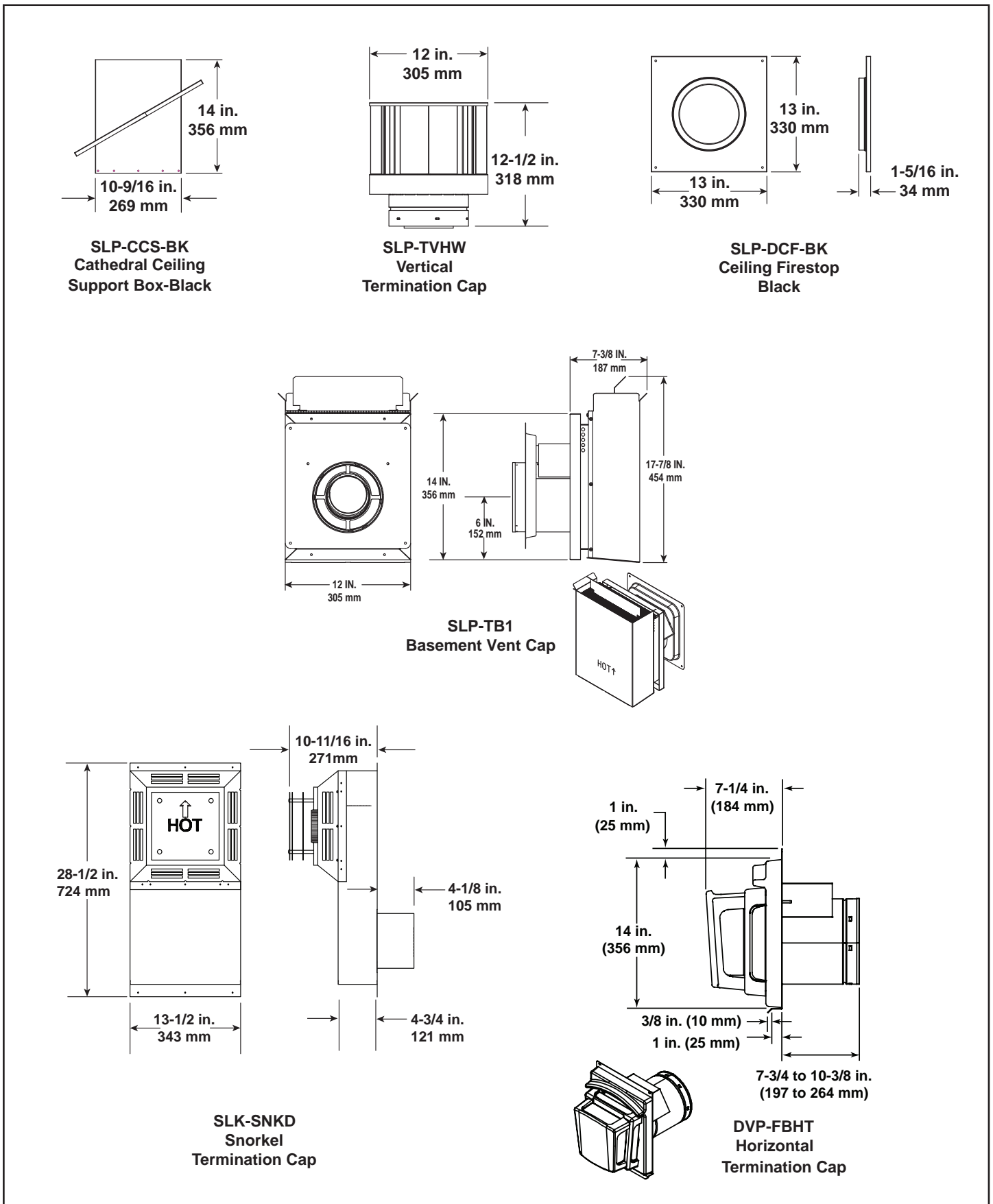


Figure 12.9 SLP Series Vent Components

B. Accessories

Install approved accessories per instructions included with accessories. Contact your dealer for a list of approved accessories.

WARNING! Risk of Fire and Electric Shock! Use ONLY Hearth & Home Technologies-approved optional accessories with this appliance. Using non-listed accessories could result in a safety hazard and will void the warranty.

Remote Controls, Wall Controls and Wall Switches

Follow the instructions supplied with the control installed to operate your fireplace:

For safety:

- Install a switch lock or a wall/remote control with child protection lockout feature.
- Keep remote controls out of reach of children.

See your dealer if you have questions.

Hearth & Home Technologies
7571 215th Street West, Lakeville, MN 55044
www.hearthnhome.com

Please contact your Hearth & Home Technologies dealer with any questions or concerns.
For the location of your nearest Hearth & Home Technologies dealer,
please visit www.hearthnhome.com.

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