Installation Manual



LX2

Direct Vent Zero Clearance Gas Fireplace natural gas 2200KN propane gas 2200KP

3-SIDES

Installer: Place model/serial number here.

Installer: Leave this manual with the appliance. Consumer: Retain this manual for future reference.

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 must be installed for the protection of children and other at-risk individuals. This appliance may be installed in an after-market permanently located, manufactured (mobile) home where not prohibited by local codes. This appliance is only for use with the type of gas indicated on the rating plate. This appliance is not convertible for use with other gases, unless a certified kit is used.

INSTALLER: Leave this manual with the appliance.

CONSUMER: Retain this manual for future reference.

Massachusetts:

The piping and final gas connection must be performed by a licensed plumber or gas fitter in the State of Massachusetts. Also, see Carbon Monoxide Detector requirements in the fireplace installation manual.

△ WARNING

This product can expose you to chemicals including Benzene, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov.

Note: Natural gas, in its original state, contains Benzene.

Valor Fireplaces

190–2255 Dollarton Highway North Vancouver, BC, Canada V7H 3B1 T 604.984.3496 F 604.984.0246 valorfireplaces.com This appliance is a domestic roomheating appliance. It must not be used for any other purposes such as drying clothes, etc.

This appliance is suitable for installation in a bedroom or bed sitting room.

Ce guide est disponible en français sur demande.



We recommend a
US Certified National
Fireplace Institute
(NFI) specialist
install our gas
hearth products.





The information contained in this manual is believed to be correct at the time of printing. Miles Industries Ltd. reserves the right to change or modify any information or specifications without notice. Miles Industries Ltd. grants no warranty, implied or stated, for the installation or maintenance of your heater, and assumes no responsibility for any consequential damage(s).

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Welcome to Valor®

This appliance has been professionally installed by
Dealer Name:
Phone:

Please read this manual BEFORE installing and operating this appliance.

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Fireplace Safety

This manual contains very important information about the safe installation and operation of the fireplace. Read and understand all instructions carefully before installing and operating the fireplace. Failure to follow these instructions may result in possible fire hazard and will void the warranty.

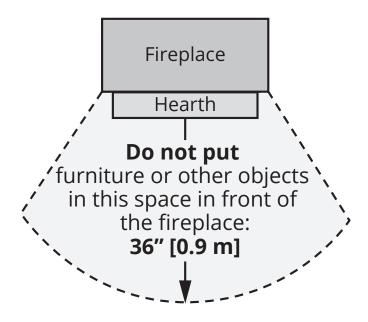
Replacement manuals are available by contacting the Valor Customer Service at 1-800-468-2567, or by visiting valorfireplaces.com.



WARNING: Extremely Hot!

Heat and flammability

- Some parts of the fireplace are extremely hot, particularly the glass windows. Use the barrier screens provided or a gate to reduce the risk of severe burns.
- The glass windows can exceed 500°F at full capacity.
- Always keep the appliance clear and free from combustible materials, gasoline, and other flammable vapors and liquids.
- Be aware of hot wall surfaces! The walls directly above the fireplace can get very hot when the fireplace heats. Although safe, it may reach temperatures in excess of 200°F (93°C) depending on choice of optional accessories. Do not touch!
- Be aware of hot hearth/floor surfaces! Any projections directly around the fireplace can get very hot when the fireplace heats. Although safe, they may reach temperatures in excess of 200°F (93°C)depending on elevation of hearth. Be careful of touching these! Temperature of projection surfaces will be reduced when barrier screens are installed.
- · Some materials or items, although safe, may discolor, shrink, warp, crack, peel, and so on because of the heat produced by the fireplace. Avoid placing candles, paintings, photos and other combustible objects sensitive to heat or furniture within 36 inches (0.9 m) around the fireplace.
- Due to it high temperatures, the appliance should be located out of traffic areas and away from furniture and draperies.
- Clothing or flammable material should not be placed on or near the appliance.



Barrier Screen and Safety

- Any safety screen, guard, or barrier removed for servicing an appliance must be replaced prior to operating the appliance
- · Children and adults should be alerted to the hazards of high surface temperature and should stay away to avoid burns or clothing ignition.
- Young children should be carefully supervised when they are in the same room as the appliance. Toddlers, young children, and others may be susceptible to accidental contact burns. A physical barrier is recommended if there are at-risk individuals in the house. To restrict access to a fireplace or stove, install an adjustable safety gate to keep toddlers, young children, and other at-risk individuals out of the room and away from hot surfaces.
- 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

Fireplace Safety

Glass windows

/!\ WARNING

Do not operate this appliance with the glass front removed, cracked, or broken. Replacement of the glass front should be performed by a licensed or qualified service person. Do not strike or slam the glass front.

- · The glass front assemblies must be in place and sealed before the unit can be placed into safe operation.
- The glass front assemblies must only be replaced as complete units, as supplied by the fireplace manufacturer. No substitute material may be used.
- Do not use abrasive cleaners on the glass front assemblies. Do not attempt to clean the glass when it is hot.

Venting

- This unit must be used with a vent system as described in this manual. No other vent system or components may be used.
- Never obstruct the flow of combustion and ventilation air. Keep the front of the appliance clear of all obstacles and materials for servicing and proper operation.
- This gas fireplace and vent assembly must be vented directly to the outside and must never be attached to a chimney serving a separate solid fuel burning appliance. Each gas appliance must use a separate vent system. Common vent systems are prohibited.

Intended use

- This appliance is designed and approved as a supplemental heater and provides the potential for most energy conservation when used while attended. The use of an alternate primary heat source is advisable.
- This unit is not for use with solid fuel.
- Do not use this heater as a temporary source of heat during construction.

Installation and Servicing

- Installation and repair should be done by a qualified service person. The appliance should be inspected before use and at least annually by a professional service person. More frequent cleaning might be required due to excessive lint from carpeting, bedding material, et cetera. It is imperative that control compartments, burners, and circulating air passageways of the appliance be kept clean.
- Do not use this appliance is any part has been under water. Immediately call a qualified service technician to inspect the appliance and to replace any part of the control system and any gas control that has been under water.



Specifications

Approval & Codes

This appliance is certified to ANSI Z21.88/CSA 2.33 American National Standard / CSA Standard for Vented Gas Fireplace Heaters for use in Canada and USA, and to CGA 2.17-91 High Altitude Standard in Canada. This appliance is for direct vent installations.

This appliance complies with CSA P.4.1-15 Testing method for measuring annual fireplace efficiencies.

The installation must conform to local codes or, in the absence of local codes, with the National Fuel Gas Code, ANSI Z223.1/NFPA 54 or the Natural Gas and Propane Installation Code CAN/CGA-B149.1. Only qualified licensed or trained personnel should install this appliance.

This appliance must be electrically grounded in accordance with local codes, or, in the absence of local codes, with the National Electrical Code, ANSI/NFPA 70 or the Canadian Electrical Code, CSA C22.1.

Ratings

Model	2200KN	2200KP
Gas	Natural	Propane
Altitude (Ft.)*	0-4,500 feet*	
Input Maximum (Btu/h)	36,000	36,000
Input Minimum (Btu/h)	19,000	21,000
Manifold Pressure (in w.c.)	3.7"	9.0"
Minimum Supply Pressure (in w.c.)	5"	11"
Maximum Supply Pressure (in w.c.)	10"	14"
Main Burner Injector Marking	DMS#32	DMS#49
Pilot Injector Marking	51	30
Min. Rate By-Pass Screw	220	160

*High Altitude Installations

Input ratings are shown in BTU per hour and are certified without deration for elevations up to 4,500 feet (1,370 m) above sea level.

For elevations above 4,500 feet (1,370 m) in USA, installations must be in accordance with the current ANSI Z223.1 and/or local codes having jurisdiction. Heating value of gas in some areas is reduced to compensate for elevation—consult your local gas utility to confirm.

For installations at elevations above 4,500 feet (1,370 m) in Canada, please consult provincial and/or local authorities having jurisdiction.

Supply Gas

Heater engines 2200KN is used with natural gas.

Heater engines 2200KP is used with propane gas.

The supply pressure must be between the limits shown in the Ratings section.

The supply connection is 1/2" NPT male and located on the on the rear left side of the firebox.



A shut-off valve (supplied) is required on the supply line to isolate the unit during service. See *Gas Supply* on page 29 section for details.

Conversion Kits

The 2200K is supplied as natural gas or propane gas and is field convertible between fuels. See instructions packaged with the conversion kits for further information.

Electrical

The 2200K is designed to run on battery power and does not require an electrical power source to operate as a heater. However, it requires electrical power to operate the decorative lighting and the optional WiFi.



WARNING

NO electrical connections allowed for any outdoor installation.

HeatShift System Required

The 2200K fireplace **MUST** be installed with HeatShift, a convection system that redistributes the warm air flow away from the fireplace opening to a more desirable location using natural convection, without use of a fan.

The warm air flow may be relocated to a position higher up the wall, out the side walls, or even to another room. The result is much cooler wall temperatures above the fireplace opening for locating television, artwork, etc.

Refer to *Appendix D - HeatShift System* pages 71–86 for more information.

Outdoor Conversion Kit

The 2200K models are supplied standard for indoor applications and may be adapted for installation in specific "outdoor" applications protected from weather as defined in the GV60CKO outdoor conversion kit manual.

Kits & Accessories

Required Kits

4006887	LX2 Barrier Screen—Front panel	
4006888	LX2 Barrier Screen—Side panels (both)	
Fuel Beds (choose one)		
1700BLK	Birch Log Kit	
1705DWK	Driftwood Set Kit	
2200DGM	Murano Glass Set	
2200DGS	Decorative Glass Set	
1700SWK	Splitwood Kit	
1700RSS	Rocks & Shale Set	
Liners (choose one)		
2200FBL	Fluted Black Liners	
2200RGL	Reflective Glass Liners	
2200LML	Limestone Liners	
HeatShift® (choose one)		
LDK1	Quad Plenum 48"	
LDK3	Double Plenum 14" (2) with Grille	
LDK4	Quad Plenum 38"	
LDK7	Duct Termination Plates (2) (valance outlet)	
LDK9	Quad Plenum 30"	

Information accurate at the time of printing and subject to change without notice.

Optional Accessories

Gas Conversion Kits			
2200XPGK	Conversion to propane gas		
2200XNGK	Conversion to natural gas		
Other Accessories			
LDK2	48" Finishing Frame for LDK1		
LDK5	38" Finishing Frame for LDK4		
LDK6	5" dia. Aluminum 2-ply Flex Kit—2 x 10' lengths, may be cut to required length		
LDK10	30" Finishing Frame for LDK9		
1270RBK	Remote Blower Kit connected to HeatShift LDK4 plenum ONLY*		
2200SFK	Steel Framing Kit		
GV60CKO	Outdoor Fireplace Conversion Kit*		
GV60WIFI	Wi-Fi Module*		
Hearth Gate	Hearth gates such as Cardinal's VersaGate are available at retail stores carrying safety products for children.		



MARNING

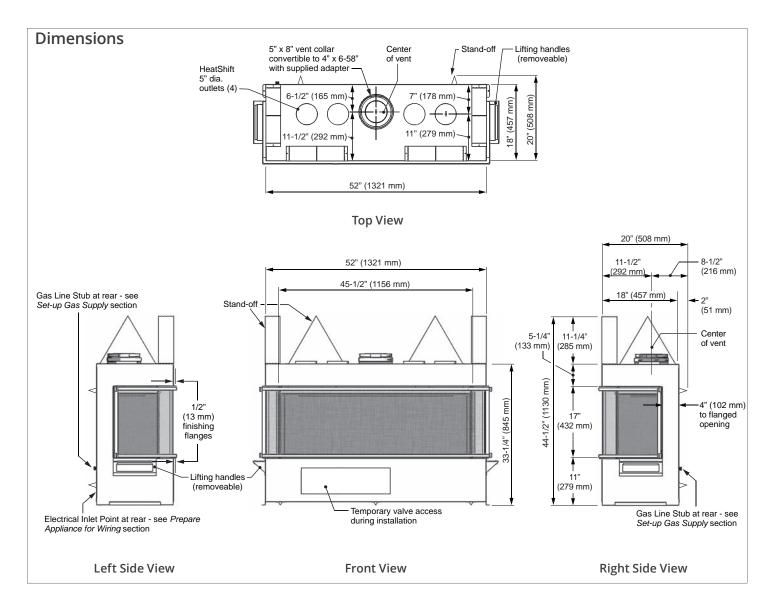
The HeatShift System MUST be installed on this appliance!



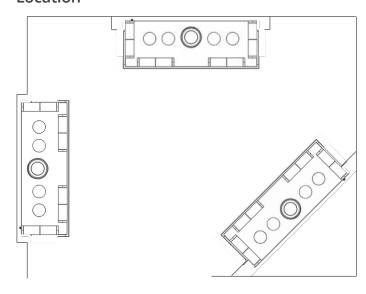
⚠ WARNING

* Electrical connection and optional electrical accessories ARE NOT ALLOWED when adapting appliance for outdoor use. See installation manual supplied with the **GV60CKO** outdoor conversion kit for full installation requirements.

Dimensions & Location



Location





/!\ Caution

Only qualified licensed or trained personnel should install this appliance.

Installer—READ THIS FIRST

- YOU NEED TO KNOW FROM THE HOMEOWNER:
 - · Height of appliance;
 - HeatShift components;
 - · Thickness and type of wall finish around appliance;
 - · Accessories used;
 - Venting configuration 4 x 6-5/8 or 5 x 8
- Unpack the appliance and recycle the packaging **EXCEPT THE CARTON PROTECTING THE BARRIER** SCREEN—KEEP IT!
- Remove front window and all items inside firebox.
- 4. Check that you have everything, using Pack Content sheet. Also, check that you have:
 - fuel bed (packed separately)
 - liners (packed separately)
 - Remote Battery & Wall Switch Kit RBSWK
 - HeatShift Kit (mandatory)
 - · Gas conversion kit if necessary
 - Venting accessories
 - Electrical accessories
- Carefully read the Installer's Checklist included with the fireplace for the installation sequence.

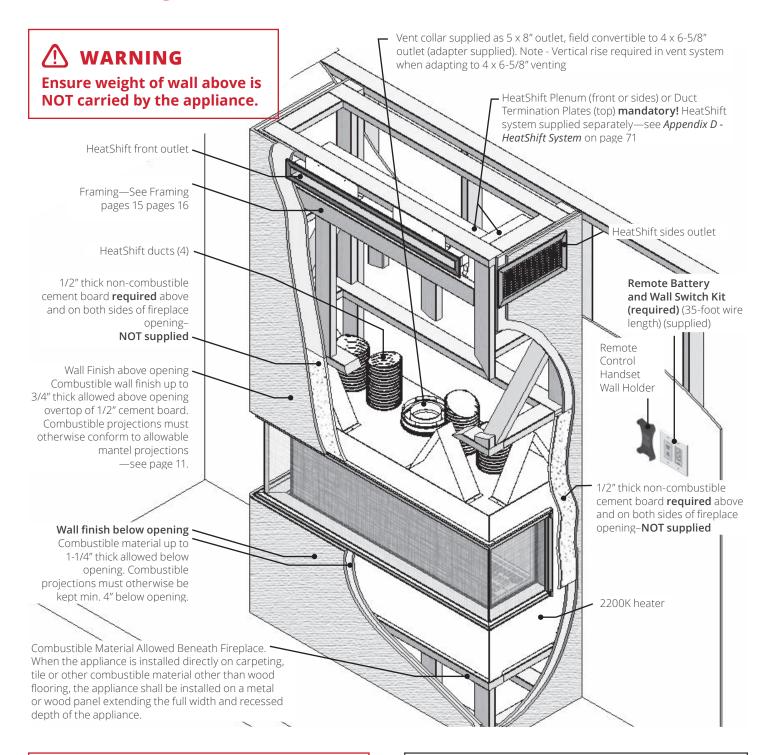
WARNING

HeatShift System MUST be installed on this appliance!

Please note that the following steps must be done BEFORE the appliance is placed in its final position in the cavity since the connections are done from the back of the appliance:

- electrical connections
- gas connections
- gas conversion (if needed)
- wiring of the Remote Battery & Wall Switck Kit **RBWSK**

Overview





✓!\ WARNING

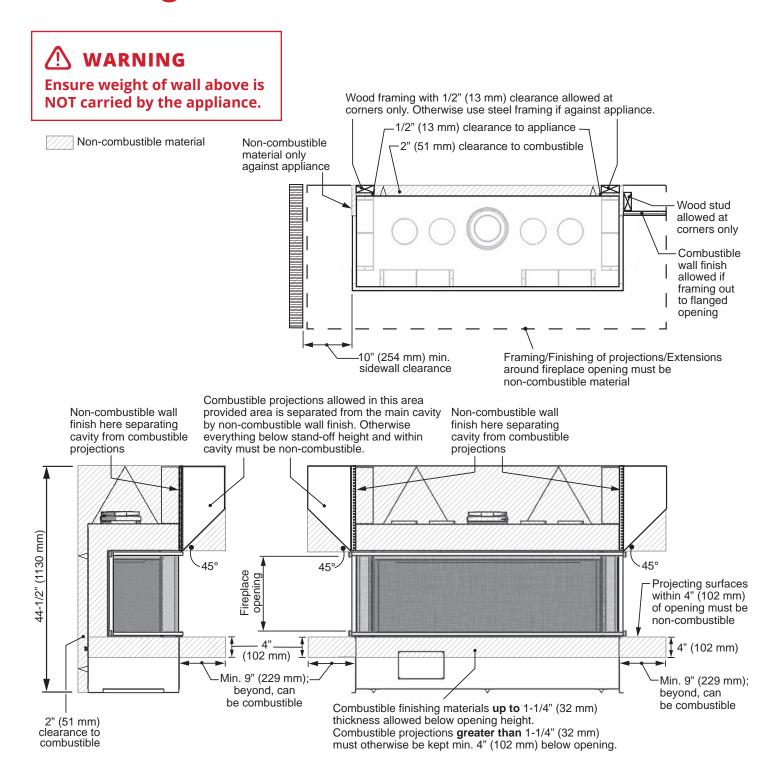
Some materials or items, although safe, may discolor, shrink, warp, crack, peel and so on because of the heat produced by the fireplace. Avoid placing candles, paintings, photos, and other items sensitive to heat around the fireplace.

NOTE

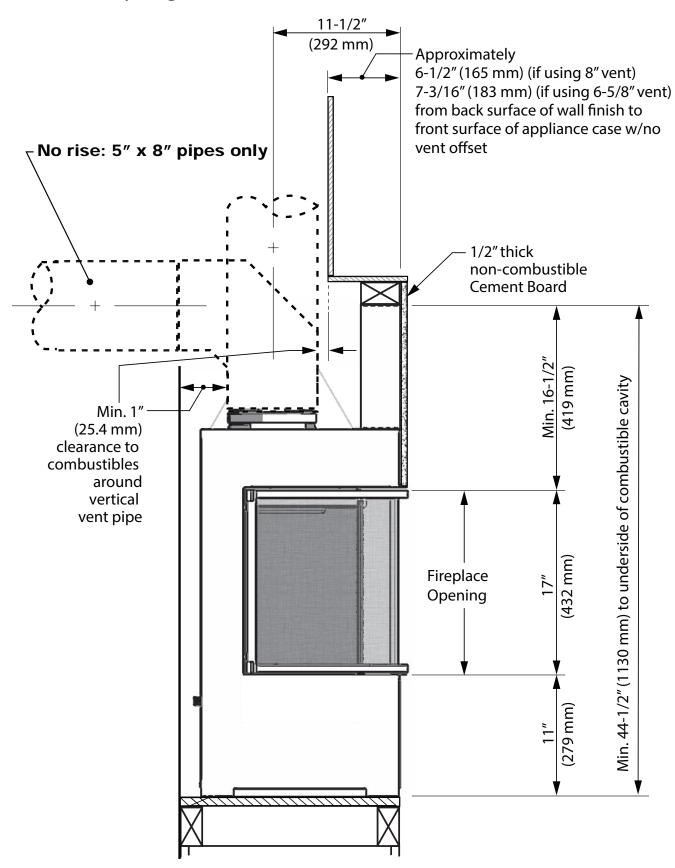
This appliance may be installed in outdoor, weather protected environments as defined in the GV60CKO Outdoor Conversion Kit instruction manual.

However, NO electrical connections are allowed for any outdoor installation.

Clearances—Combustible Projections

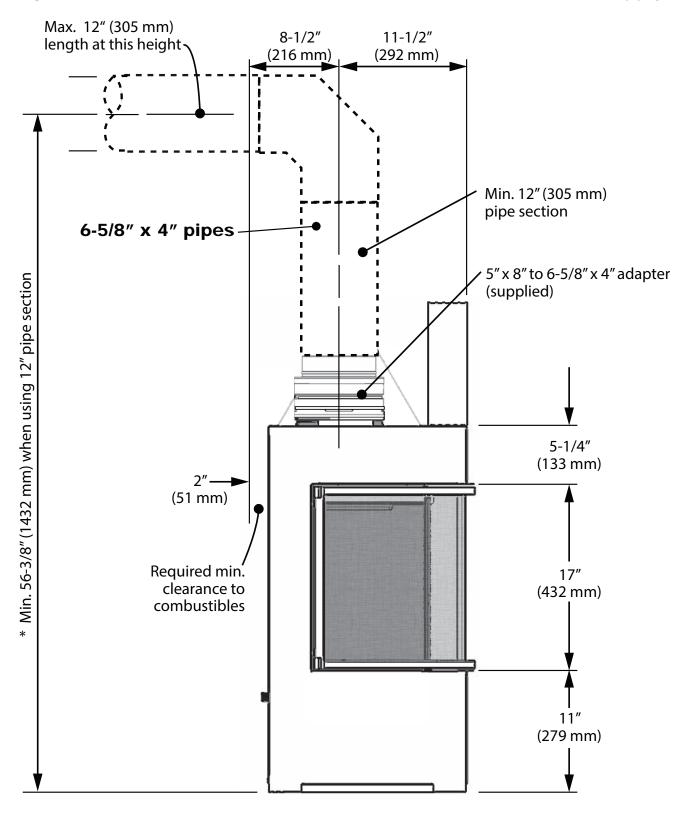


Alcove above opening



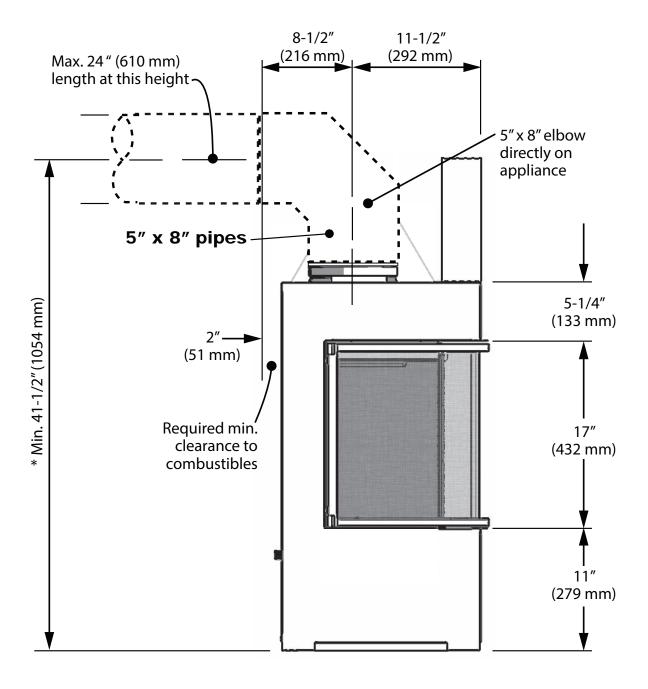
Minimum Vertical Vent—6-5/8" Vent

* This is the minimum vent height when using 6-5/8 inch venting. If calculating the vent height using additional vent lengths, subtract approximately 1-1/2 inch for each pipe joint. For example, an additional 12-inch pipe section will add approximately 10-1/2 inches overall to this dimension. Alternatively, substituting a 24-inch pipe length for the min. 12-inch section will add 12 inches to this dimension as there is no additional pipe joint.



Minimum Vertical Vent—8" Vent

* This is the minimum vent height when using 8-inch venting. If calculating the vent height using additional vent lengths, subtract approximately 1-1/2 inch for each pipe joint. For example, an additional 12-inch pipe section will add approximately 10-1/2 inches overall to this dimension.



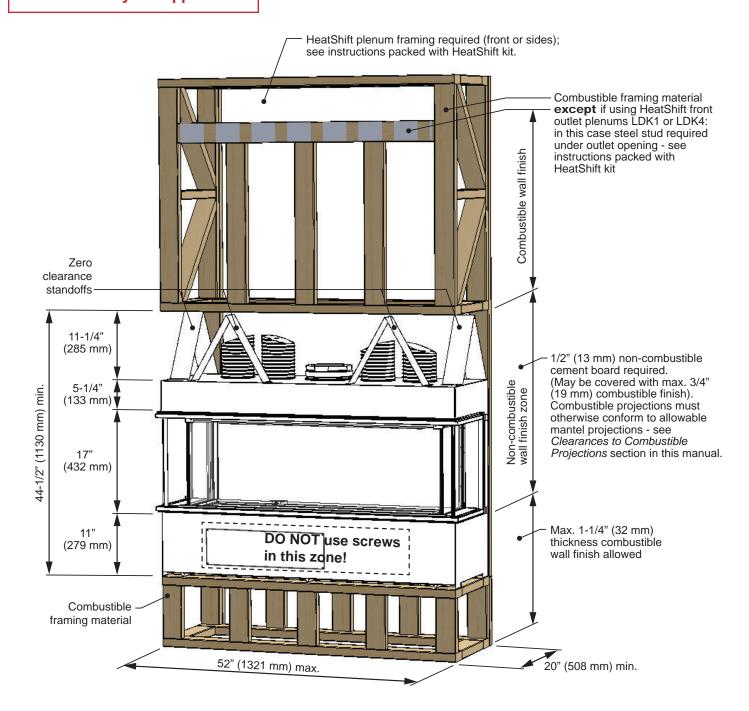
Installation Planning

Framing—Minimal



∕!\ WARNING

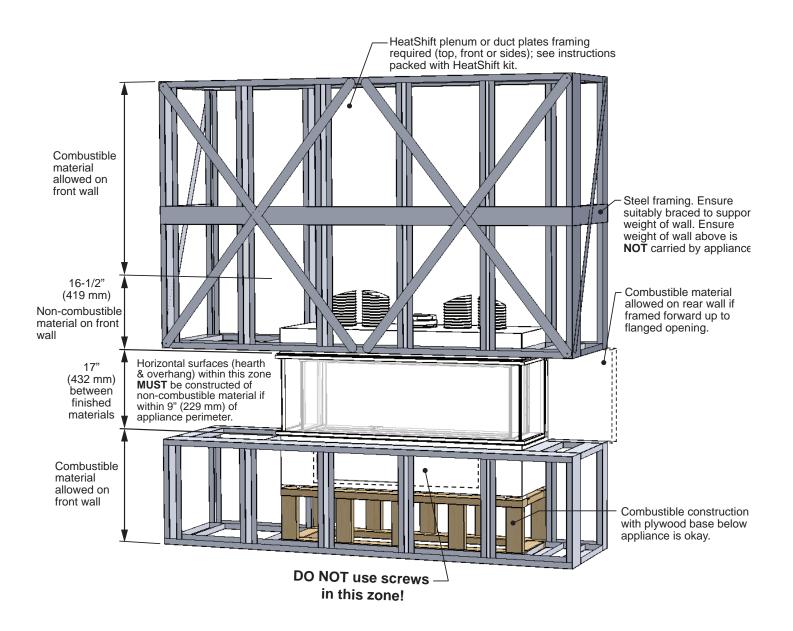
Ensure weight of wall above is NOT carried by the appliance.





∕!\ WARNING

Ensure weight of wall above is NOT carried by the appliance.



Planning Wall Finish

Plan Wall Finish

Non-Combustible Materials Specifications

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.

Combustible Materials Specifications

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.

Non-combustible cement board

The LX2 fireplace requires a 1/2" (13 mm) thick non-combustible cement board to be used as a wall surface immediately above the unit opening in the front and above and behind the opening on each side.

Extending the cement board well beyond the minimum will help avoid cracking due to differential expansion of materials.

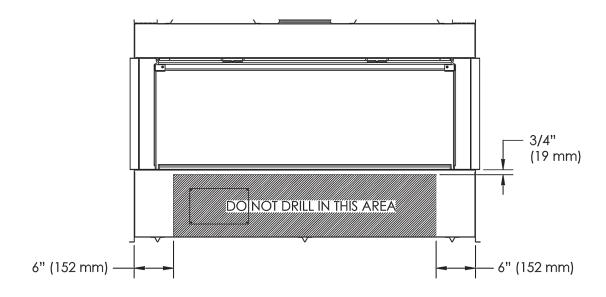
Pre-drill cement board with oversized holes and do not over-tighten screws to avoid cracking due to heat expansion.

Standard gypsum wall board may be used beyond the perimeter of the cement board.

Non-combustible finishing over cement board

Additional non-combustible material such as tile, etc., may be applied over top of the cement board or you may choose to leave it finished clean with no tile.

Cracking wall finishes



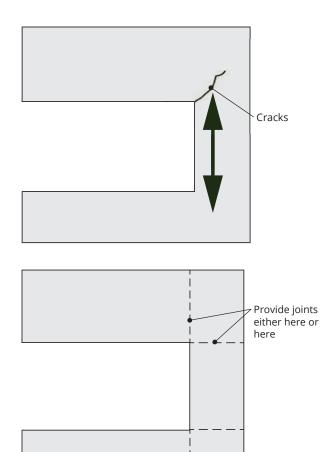
Planning Wall Finish

The HeatShift system reduces the wall temperatures and minimizes the possibility of cracking wall finishes.

If a clean finish with no tile, etc. is desired, joints in the cement board and the transition to gypsum board will require special attention if future cracking is to be controlled. Be aware that temperatures on the noncombustible wall surface above the appliance can exceed 200 °F.

Below are some tips on how to best avoid any cracking:

- Allow materials to dry thoroughly before finishing the wall. Cement board has the ability to absorb up to 30 percent of its weight in water and may shrink as much as 1/8" over a 48" length when drying from a saturated condition. Running the fireplace before final finishing will help drive out moisture.
- Always pre-drill screw holes through cement board and use screws with self-milling head.
- · Always use tape over joints.
- Behind joints, double up studs or use studs "on the flat" to add extra support to the joint. Adhesive on the backside of wall board behind any joints can help control differential movement.
- Use multiple, thinner coats of joint compound and allow to dry thoroughly between coats.
- · Ensure framing materials are dry.
- After finishing the wall, introduce heat gradually to slowly dry any excess moisture rather than drying too fast.
- Avoid notching cement board or tiles around corners of window opening and instead provide a joint that intersects the corner.



Overview

Venting

Vent Material

This unit is approved for installation using 5 x 8 inches co-axial direct vent pipe and accessories as listed in the *Approved Venting Components* section on pages 68–69 of this manual. Follow the installation instructions supplied with the individual venting accessories.

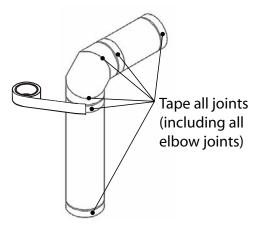
This unit may also be converted to $4 \times 6-5/8$ inches coaxial direct vent pipe and accessories using the adapter supplied with the appliance—see list in the *Approved Venting Components* section on pages 68-69 of this manual.

Vent Sealing

Seal all outer coaxial pipe and elbow joints, including sectioned elbow joints, using high quality, high temperature 2 inch wide self-adhesive aluminum foil tape (Nashua-322-2 brand or similar). Wrap the tape completely around all joints and press firmly to seal.

A high temperature black silicone sealant may be used in the outer joints as a substitute to foil tape.

Ensure all the pipe joints have a minimum of 1 ¼ inch overlap.

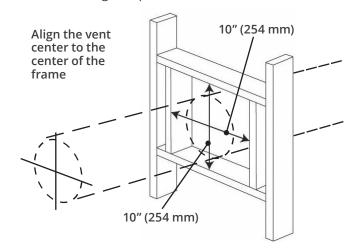


Wall Thickness

The appliance vent is suitable for penetrating a combustible wall assembly up to 8 inches in thickness. A non-combustible wall can be of any thickness up to the maximum horizontal run of vent pipe allowed for the particular installation.

Framing Vent in Combustible Walls & Ceilings (6-5/8" and 8" pipes)

When penetrating through combustible walls and ceilings, frame a minimum of 10 in x 10 in opening and ensure that the insulation is kept clear of the vent pipe using either a wall thimble or an attic insulation shield. Note that some vent manufacturers' wall thimble dimensions may require larger framed openings—follow the installation instructions supplied with the individual venting components.



Important Installer Notice – Weather Sealing & Vapor Barriers

It is the installer's responsibility to ensure that vent installations through exterior walls are caulked and weatherproofed in such a manner as to:

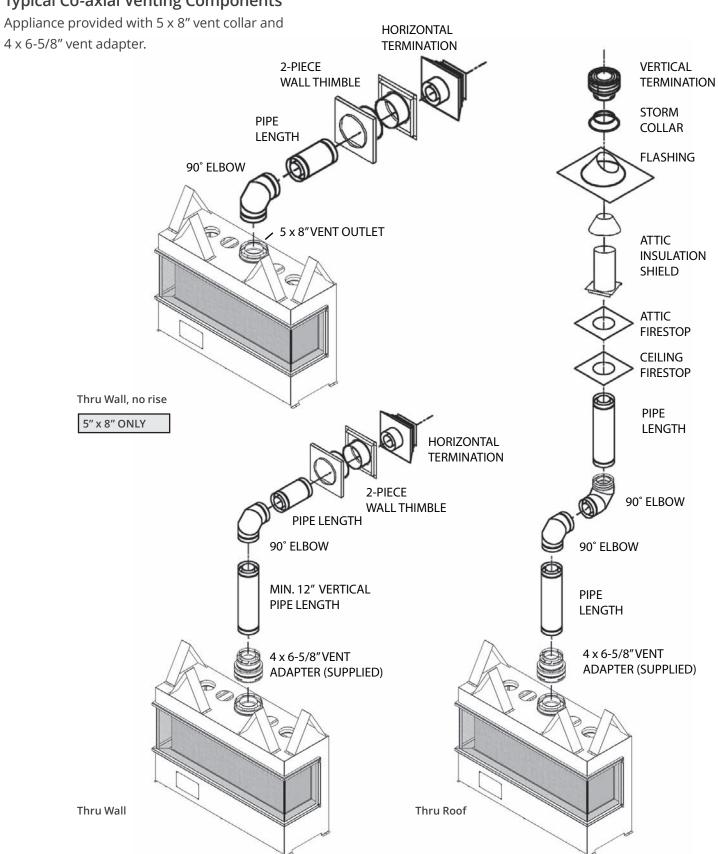
- Prevent rain water from entering the wall from the weather side by adequately caulking the outer vent plate to the exterior wall surface.
- Prevent moisture inside the home from penetrating into the wall structure by ensuring the inside wall plate is adequately sealed to the inside vapor barrier.
- Prevent rain water and moisture from entering the walls by sealing the joints between the outer vent tube and the inner and outer wall plates.

We recommend the use of a high quality polyurethane sealant.

All horizontal pipe runs must be graded 1/4 inch per foot upwards in the direction of the exhaust flow. The final pipe length, when terminating through the wall may be graded downwards slightly to prevent water migration.

Typical Components

Typical Co-axial Venting Components

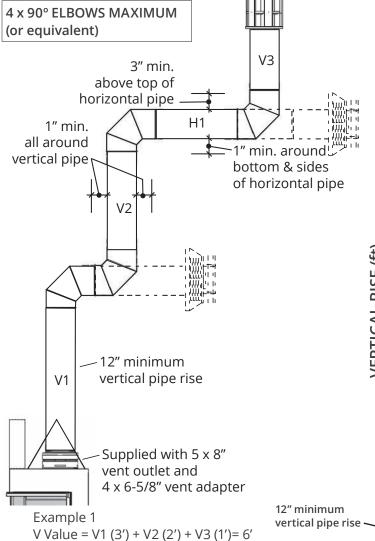


How to Read the Venting Chart

The chart below applies to co-axial roof or wall termination.

- 1. Minimum 12 inch vertical pipe section required right at unit when using 6-5/8" venting.
- 2. The total length of the vent pipe cannot exceed 40 feet.
- 3. The minimum vertical height with roof termination is 6 feet.
- 4. Any combination of rise and run can be used as long as they are within the allowable limits shown on the chart below.

Venting Chart with 4" x 6-5/8" pipes



H Value = H1 (2') = 2'

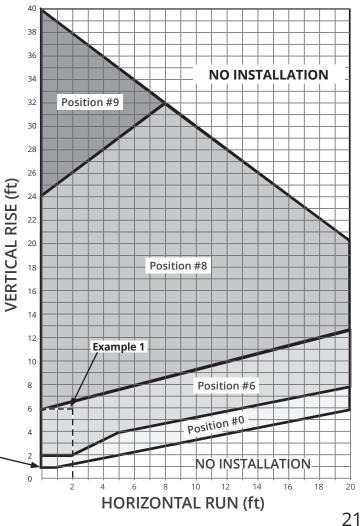
Restrictor position # 6 required

Venting Chart—4" x 6-5/8"

- 5. A maximum of 4 x 90 degrees elbows—or equivalent (2 x 45 degrees = 90 degrees)—can be used.
- 6. Each 90 degrees elbow installed on the horizontal plane is equivalent to a 3 feet horizontal pipe; therefore, 3 feet must be subtracted from allowable horizontal run. (45 degrees elbow is equivalent to 18 inches horizontal pipe.)
- All horizontal pipe runs must be graded 1/4 inch per foot upwards in the direction of the exhaust flow. The final pipe length, when terminating through the wall may be graded downwards slightly to prevent water migration.
- 8. A restrictor adjustment is required for most installations having a vertical rise—see next section.

Note: The restrictors are shipped installed at the exhaust exit of the firebox.

Allowable Co-Axial Vent Configurations with restrictor positions — with 4" x 6-5/8" pipes



How to Read the Venting Chart

The chart below applies to co-axial roof or wall termination.

- 1. Maximum 24 inch horizontal pipe section allowed when using a 90 degrees elbow directly at the appliance.
- 2. The total length of the vent pipe cannot exceed 40 feet.
- 3. The minimum vertical height with roof termination is 6 feet.
- 4. Any combination of rise and run can be used as long as they are within the allowable limits shown on the chart below.
- 5. A maximum of 4 x 90 degrees elbows—or equivalent (2 x 45 degrees = 90 degrees)—can be used.

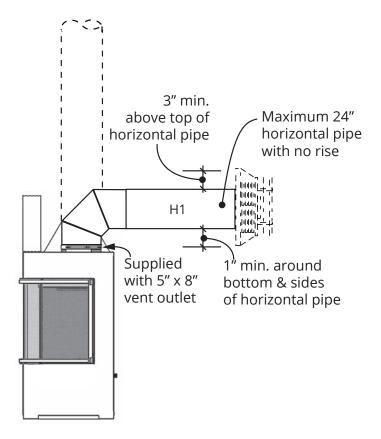
Venting Chart—5" x 8"

- 6. Each 90 degrees elbow installed on the horizontal plane is equivalent to a 3 feet horizontal pipe; therefore, 3 feet must be subtracted from allowable horizontal run. (45 degrees elbow is equivalent to 18 inches horizontal pipe.)
- 7. All horizontal pipe runs must be graded 1/4 inch per foot upwards in the direction of the exhaust flow. The final pipe length, when terminating through the wall may be graded downwards slightly to prevent water migration.
- 8. A restrictor adjustment is required for most installations having a vertical rise—see next section.

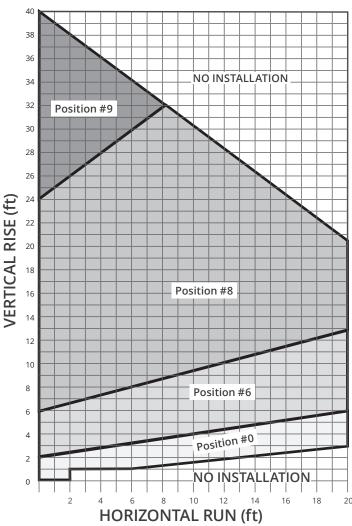
Note: The restrictors are shipped installed at the exhaust exit of the firebox.

Venting Chart with 5" x 8" pipes

4 x 90° ELBOWS MAXIMUM (or equivalent)



Allowable Co-Axial Vent Configurations with restrictor positions — with 5" x 8" pipes



Venting

Restrictors

Restrictors

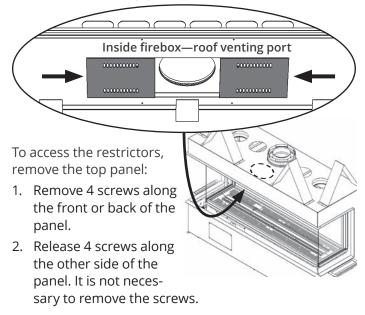
number of elbows.

ALL INSTALLATIONS REQUIRE A RESTRICTOR for improved flame picture and performance. This unit is supplied with a pre-fitted restrictor having different positions or settings. The restrictor is shipped mounted at the maximum open position. The level of restriction required depends on the vertical rise in the venting system and, to a lesser degree, the horizontal run and

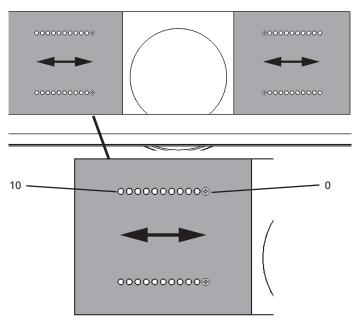
The amount of restriction is based on laboratory tests. The ideal restrictor position may vary slightly, especially when the vent pipe length is near the limits of the acceptable configurations for each type of restrictor.

The chart on the previous page shows the vent restrictor required relative to the length of the vent pipe.

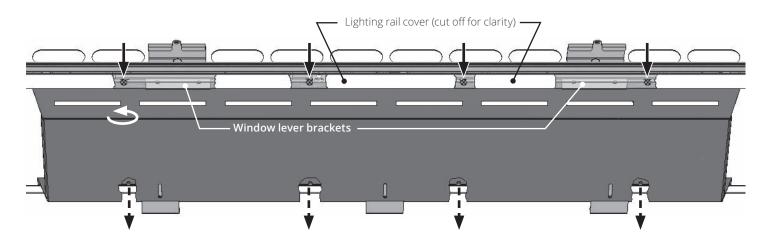
The restrictors are located in the roof of the firebox hidden above the top panel.



- 3. Slide the panel to unhook it and set aside.
- 4. The restrictors are set in position 0, 0 at the factory. The position 0 is at the center and the position 10 is the farthest away from the center. Adjust the restrictors position as needed—up to position 9—DO NOT CLOSE ALL THE WAY TO POSITION 10!:



- a. Establish the required position of the restrictors looking up the appropriate venting table (according to vent pipes size) on the previous pages.
- b. Remove the screws (2) on each restrictor already installed **on the firebox roof port**.
- c. Slide the restrictors in the required positions.
- d. Refit and tighten the screws.
- 5. Reinstall the top panel sliding it on the screws previously released; tighten the screws.
- 6. Refit and tighten the screws previously removed.

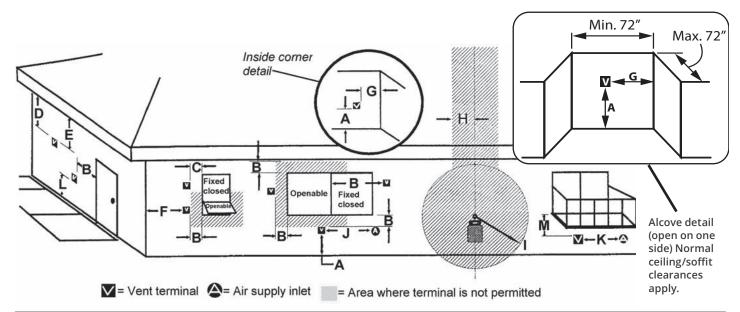


Wall Termination

Horizontal Vent Termination Location

- The vent terminal must be located on an outside wall or through the roof.
- This direct vent appliance is designed to operate when an undisturbed airflow hits the outside vent terminal from any direction.
- The minimum clearances from this terminal that must be maintained when located on an outside wall are shown in figure below. Any reduction in these clearances could result in a disruption of the

- airflow or a safety hazard. Local codes or regulations may require greater clearances.
- The vent terminal must not be recessed into a wall or siding.
- The vent terminal should be positioned where any snowdrifts will not cover it.
- Sidewall vent terminations require a terminal guard such as 658TG or 845TG when accessible—within 7' of ground.



KEY	VENT TERMINAL LOCATIONS - MINIMUM DISTANCES		MINIMUM CLEARANCE	
		Inches	Cm	
Α	Clearance above grade, verandah, porch, deck or balcony	12	30	
В	Clearance to window or door that may be opened	12	30	
С	Clearance to permanently closed window (recommended to prevent condensation on window)	12	30	
D	Vertical clearance to ventilated soffit located above the terminal within a horizontal distance of 2 feet (60 cm) from the center-line of the terminal	18	46	
Е	Clearance to unventilated soffit	12	30	
F	Clearance to outside corner (measured from the center of vent)	12	30	
G	Clearance to inside corner (measured from the center of vent)	12	30	
Н	Horizontal clearance to center-line of meter/regulator assembly located within 15 feet (4.6 m) below the terminal	36	90	
I	Clearance to service regulator vent outlet	36	90	
J	Clearance to non-mechanical air supply inlet to the building or the combustion air inlet to any other appliance	12	30	
K	Clearance to a mechanical air supply inlet	72	180	
	Clearance above paved sidewalk or a paved driveway located on public property			
L	Note: A vent must not terminate directly above a sidewalk or paved driveway, which is located between two single-family dwellings and serves both dwellings. THIS DOES NOT APPLY to direct vent, non-consdensing appliances in the Province of Ontario.	84	210	
М	Clearance under a verandah, porch, deck or balcony Only permitted if veranda, porch, deck or balcony is fully open on a minimum of 2 sides beneath the floor	12	30	

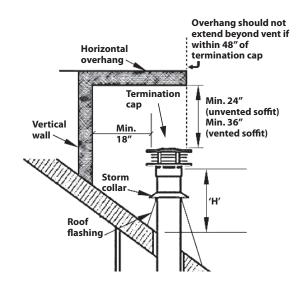
Note: Local codes and regulations may require different clearances.

Roof Termination

Venting

Vertical Vent Termination

Roof Pitch	Mini- mum "H" (feet)
Flat to 7/12	1'
Over 7/12 to 8/12	1.5'
Over 8/12 to 9/12	2′
Over 9/12 to 10/12	2.5′
Over 10/12 to 11/12	3.25′
Over 11/12 to 12/12	4′
Over 12/12 to 14/12	5′



Preparation

Window Removal

!\ WARNING

Please note that the HeatShift Kit MUST be installed on this appliance!



!\ Caution

Beware of sharp edges! Wear gloves!

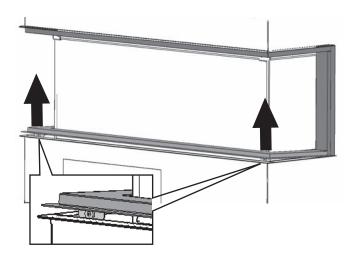
Unpack the Appliance

- Remove the cardboard wrapping and the wood pallet from the appliance and discard. DO NOT DISCARD THE PROTECTIVE CARTON AROUND THE BARRIER SCREEN!
- 2. Unpack any loose items from around the appliance.
- 3. Verify that you have all the components required for the installation, including:
 - approved non combustible cement board;
 - liners and fuel bed (in separate carton);
 - barrier screen:
 - venting components and accessories;
 - HeatShift Kit;
 - electrical components.

Remove Window Sill and Window

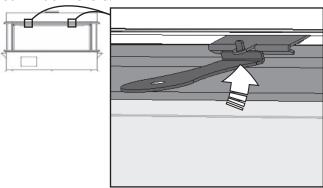
Remove window sill.

Lift the sill up to free the magnets underneath then pull it straight out.

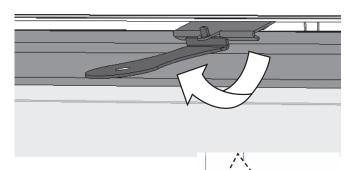


Remove the window.

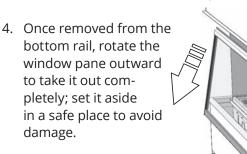
1. Hook the window handle to one of the spring-loaded window levers.

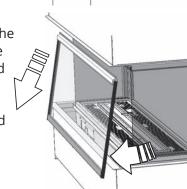


2. Pull the lever and unhook the window. Repeat with the other lever.



3. Pull the top of the window outward and lift it up behind the front panel to disengage it from its rail.





Preparation

Fit Standoffs

The standoffs are supplied flat. Bend them as shown and fix them to the top of the firebox.

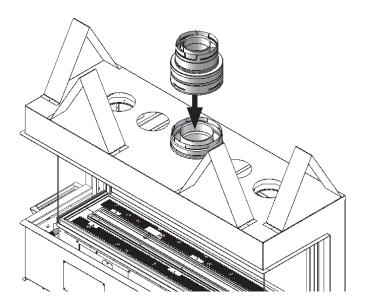
Note: If installing with an all steel framing, the top standoffs are not necessary.

Ensure that the framing is self-supporting, that is it NOT supported by the engine.

Fit 6-5/8" x 4" Vent

Adapter (if required)

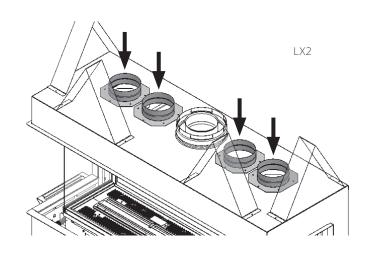
This unit is supplied with a $5'' \times 8''$ vent outlet which can be field-converted to a $4'' \times 6-5/8''$ vent outlet by installing the vent adapter supplied with the appliance.



Standoffs & Adapter

Fit HeatShift Take-off Collars (required)

Install HeatShift take-off collars to appliance using screws provided with appliance. See HeatShift installation information in Appendix for details.



Prepare Appliance for Wiring

Decorative Lighting and Remote Battery & Wall Switch Kit (RBWSK)

The fireplace is equipped with a decorative lighting located above the firebed inside the firebox. The lighting is pre-wired at the factory and **must be** connected to the electrical system of the home PRIOR to the final positioning of the fireplace into the framing. The decorative lighting is operated by the fireplace's remote control handset.

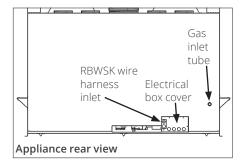
Wiring for the overhead lighting and RBWSK kit is accessible from the rear panel of the appliance and therefore it should be done BEFORE the final positioning of the fireplace in the framing.



/!\ WARNING

All electrical installations must be performed by a qualified electrician and must be electrically wired and grounded in accordance with local codes, or, in the absence of local codes, with the National Electrical Code, ANSI/NFPA 70 or the Canadian Electrical Code, CSA C22.1.

The fireplace's upper decorative lighting is connected to the v-module box located behind the appliance's front panel below the window. It is hidden under the valve shield. The v-module is powered by a three-prong plug plugged into a receptacle inside the appliance case, at the rear, on the left-hand side.

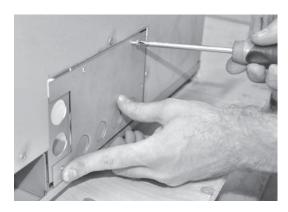


WARNING

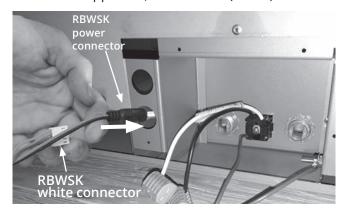
NO electrical connections allowed for any outdoor installation.

Electrical Wiring

1. At the back of the fireplace case, on the left-hand side, remove the electrical box cover (4 screws).



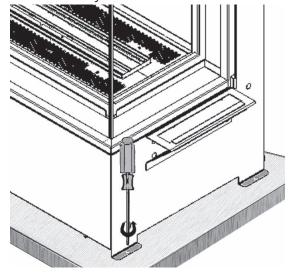
- 2. Remove a knock-out cover for the electrical connection needed for incoming power.
- 3. Rough in the wiring harness for the RBWSK—Remote Battery & Wall Switch Kit. Thread through one of the holes to the left of the electrical panel both the power connector and the white connector end of the wire harness to reach the receiver at the front of the appliance, about 3 feet (36 cm).



4. Refit the electrical box cover.

Gas Supply

5. Remove the 4 screws retaining the appliance to its pallet. Snap off the feet attached to the pallet and discard or recycle.



6. With great care not to cut yourself on the sharp feet, set the appliance partially into the framing keeping in mind the need to access the rear of the appliance to connect the electrical wires.

Set-up Gas Supply

The gas supply inlet connection is a 1/2" NPT male line stub located on the rear left hand side of the appliance.

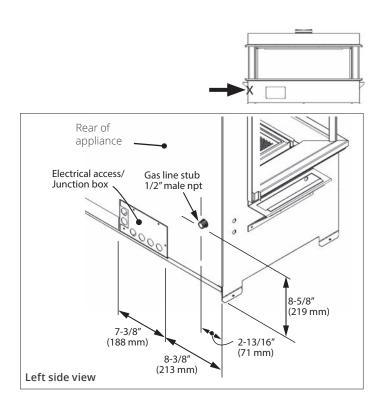
The unit is supplied with a stainless steel flex line to allow the appliance to be disconnected for service. An individual shut-off valve (supplied) is required on the supply line ahead of the flex connector.

Use only new black iron or steel pipes, CSST, or copper tubing if acceptable—check local codes. Note that in USA, copper tubing must be internally tinned for protection against sulfur compounds.

Unions in gas lines should be of ground joint type.

The gas supply line must be sized and installed to provide a supply of gas sufficient to meet the maximum demand of the appliance without undue loss of pressure.

Sealant used must be resistant to the action of all gas constituents including LP gas. Sealant should be applied lightly to male threads to ensure excess sealant does not enter gas lines.



Gas Supply

Pressure test the supply line for leaks.

The appliance and its individual shut-off valve must be disconnected from the gas supply piping system during any pressure testing of that system at test pressures in excess of 1/2 psig (3.5 kPa).

The appliance must be isolated from the gas supply piping system by closing its individual manual shut-off valve during any pressure testing of the gas supply piping system at test pressures equal to or less than 1/2 psig (3.5 kPa).

Failure to either disconnect or isolate the appliance during pressure testing may result in regulator or valve damages and void the warranty. Consult your dealer in case of damages.

Pressure Test Points

The minimum supply pressure is given in the section *Specifications* on page 6.

All piping and connections must be tested for leaks after installation or servicing. All leaks must be corrected immediately.

When testing for leaks:

- Make sure that the appliance is turned off.
- Open the manual shut-off valve.
- Test for leaks by applying a liquid detergent or soap solution to all joints. Bubbles forming indicate a gas leak.

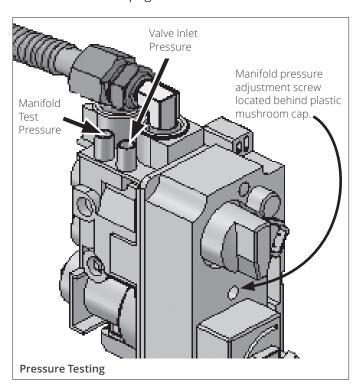


WARNING

Never use an open flame to check for leaks. Correct any leak detedted immediately. The pressure test tapping locations are shown in the figure below. An internal regulator within the valve controls the burner manifold pressure.

The correct pressure range is shown in the table in section *Specifications* on page 6.

The pressure check should be made with the burner alight and at its highest setting. See *Appendix A - Lighting Instructions Plate* on page 62.



Place the appliance in final position

- 1. Taking great care not to cut your hands on the sheet metal edges, place the appliance in its final position in the framing. *Make sure that the unit is at the right height with consideration to the height of the hearth or combustible flooring.*
- 2. Remove carrying handles on both side.

Complete Installation of HeatShift Kit (required)

See Appendix D - HeatShift System on page 71.

Install Remote Battery and Wall Switch Kit **RBWSK** (required)

The Remote Battery and Wall Switch Kit is provided with this appliance. It must be connected to the receiver in the fireplace.



!\ Caution

Do not put batteries in the receiver as leaking acid could damage its circuit board.

Installation

The receiver is located behind the appliance's front panel, at the right of the control valve. It is maintained in position with Velcro bands.

- 1. From the front of the appliance through the access panel, grab the wire harness threaded from the back and bring it towards the receiver at the front of the appliance.
- 2. Pull out the receiver from its location to connect the wiring harness power connector to receiver's



Connect the harness' white connector to the auxillary 5-pin junction on the receiver.



Remote Battery & Wall Switch Kit



!\ Caution

Do not run the switch wire over the top of the firebox. Route the wire so it does not contact the firebox.

- 4. Run the harness assembly under the firebox to the mounted position of the junction box, securing it to the framing using insulated staples (not supplied).
- 5. Feed the harness assembly through a restrain on the rear of the junction box, feeding through until the harness sheath is pinched by the retainer and ensuring sufficent length to make the connection to the rear of the switch and battery holder.



- 6. Secure the junction box to the mounting surface using appropriate fasteners (not supplied).
- 7. Align the molex connection on the switch cable of the harness assembly and connect to switch.



Remote Battery & Wall Switch Kit

Mount the switch plate to the junction box with 2 screws provided. Note: Place the switch left or right to suit the homeowner wishes.



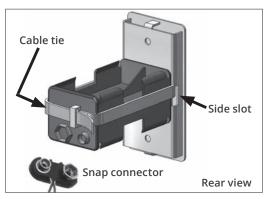
9. Locate and secure the magnet plates using 2 'long' screws provided.



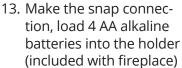
10. Place and secure the cover plate to the box using 4 screws provided.

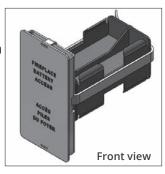


11. Feed the cable tie through the 2 side slots of the battery cover assembly.



12. Position the battery holder to the rear face and secure together with a cable tie. Note that clearance is required for battery snap connection.





then feed back into the junction box assembly. Note: Do not put batteries in the receiver, only in the battery holder by the wall switch.





14. Test the operation of the wall switch—see *Appendix* C - Wall Switch Operation on page 70.



!\ Caution

DO NOT PUT BATTERIES IN THE BATTERY HOLDER until the wires are connected to the receiver as short-circuit could result in the destruction of the electrical components.

DO NOT USE a screwdriver or other metallic object to remove the batteries from the battery holder or the handset! This could cause a shortcircuit to the receiver.

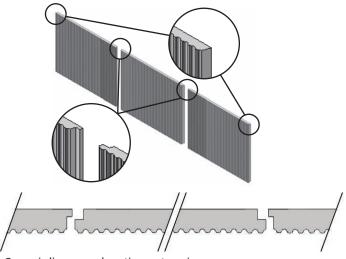
DO NOT RUN the switch wire over the top of the firebox. Route the wire so it does not contact the

To avoid short-circuit to the receiver, position the antenna so that it DOES NOT TOUCH the ignition wire.

Installation Liners

Liners

Ceramic Liners: The ceramic liner panels consist of three sections which are fitted into each other. Two of the sections are identical. Their step edges go towards the middle to fit into the middle section.



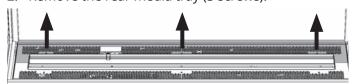
Ceramic liner panel sections—top view

Glass Liners: The glass liner panels consist of three identical sections.

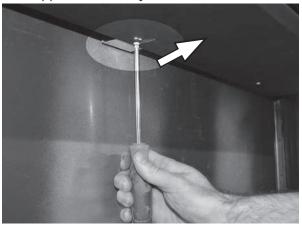
The Glass Liners install in the same manner and order as the ceramic panels; however they don't fit into each other. They sit beside each other

Installation

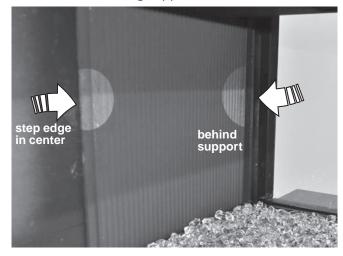
- 1. Unpack the liner panels carefully.
- 2. Remove the rear media tray (3 screws).



3. Inside the firebox, at the rear of the top panel, release the screw of the 3 panel supports and slide the supports towards you.



4. Place one end panel, top first, against the back wall of the firebox, square edge outward and step edge in the center. Slide the panel outward so it is held behind the mounting support.

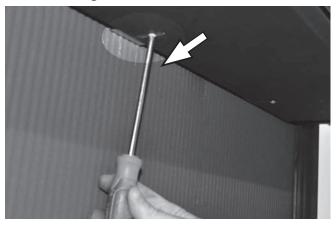


- 5. Repeat with the other end panel.
- 6. Fit the center panel with its step edges overlapping both end panels.

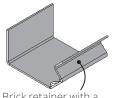


Installation Liners

- 7. Slide the end panels towards the center to eliminate any gaps between them.
- 8. Ensure all panels are square against the back wall of the firebox.
- 9. Push the 3 panel supports against the top of each section and tighten the screw.



10. Two brick retainers and three glass retainers are supplied with the panels. They are used to hold the bottom of the rear panels against the rear wall of the firebox. The brick retainers have a shallower return and the glass retainers have a deeper return.

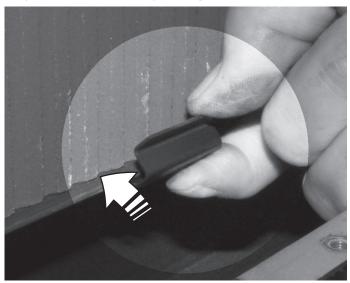


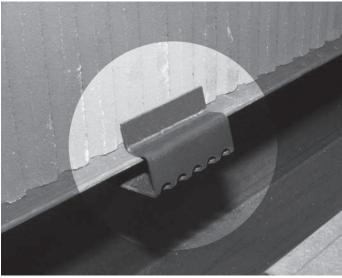
Brick retainer with a shallower return



Glass retainer with a deeper return

11. Hook one retainer to the back of the firebox rear wall and fold it over the lip on which sits the ceramic panel so it holds the panel against the rear wall.





- 12. Repeat with the other panels.
- 13. Re-install the rear media tray (3 screws).

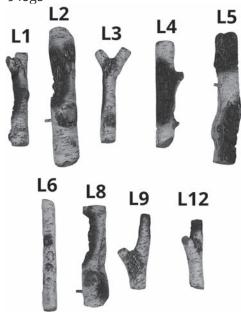
Installation **Fuel Beds**

Birch Log Kit 1700BLK

Material required

• Birch Log Kit, which contains:

9 logs



• 1 bag of mixed grey embers (8 cup bag)



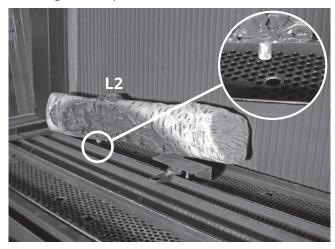
• 1 bag of splinters



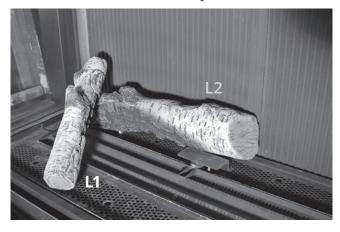
Carefully unpack the kit, as the logs are fragile.

Installation

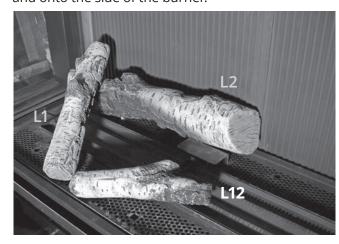
1. Place log L2 with pin inserted as shown.



2. Place log L1 from the left end of L2 and across the burner to rest on the media tray as shown.

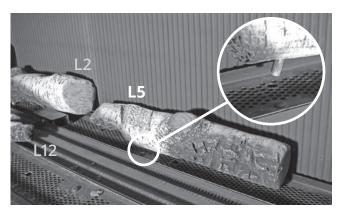


3. Place log L12 on the media tray near the end of L1, and onto the side of the burner.

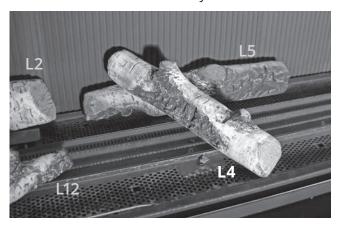


Fuel Beds

4. Place log L5 on the rear media tray with pin inserted as shown.



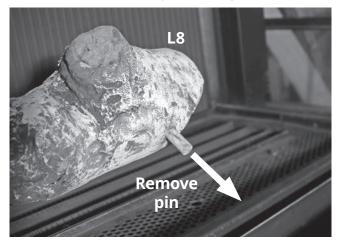
5. Place log L4 from the left end of L5 and across the burner to rest on the media tray as shown.



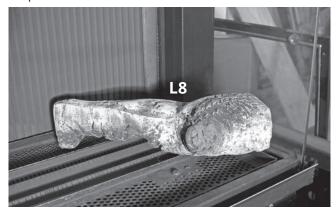
6. Place log L6 from the top of L5 onto the front of the media tray as shown.



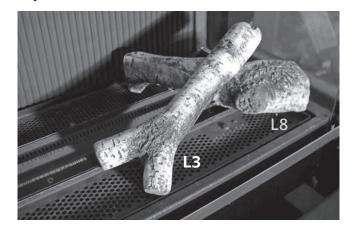
7. Remove and discard the pin from log L8.



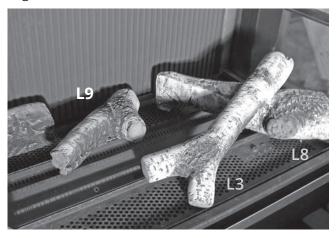
8. Place log L8 across the burner at the right end of the fireplace as shown.



9. Place log L3 on top of L8 to the front of the media tray as shown.



10. Place log L9 on the rear media tray and up onto the edge of the burner as shown.



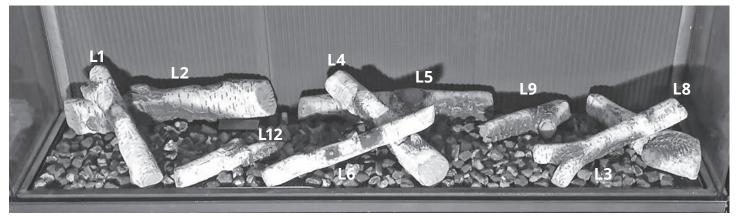
11. Place embers by hand onto the media tray and burner. Do not pour embers, as dust could block burner ports. Place splinters among embers when complete.





CHOKING HAZARD! Ensure that the fireplace area is clear of ember and splinter particles as these could be ingested by small children. Vacuum area after installation.

IMPORTANT: Approved for use only with the ceramic embers and splinters provided with your Valor fireplace The use of any other products may void your fireplace warranty.



Birch Log Kit installed

Long Beach Driftwood 1705DWK

Material required

- Long Beach Driftwood Kit, which contains:
 - 6 logs
 - 10 pebbles
 - 1 bag of vermiculite

Installation

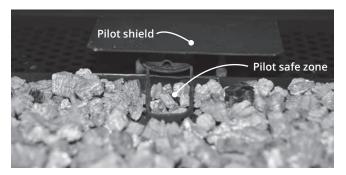
Vermiculite

Carefully unpack the kit.

 Carefully spread vermiculite by hand on the surface of burner only, forming a single layer to the approximate level of the top of the flange at the edge of the burner. Do not pour from the bag and do not pour too much to avoid blocking the burner ports.



NOTE: Ensure the area within the pilot shield is clear of vermiculite. Some vermiculite can be deposited into the pilot safe zone.

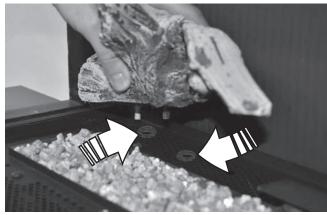


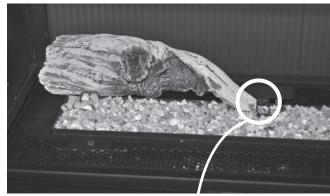
Logs and rocks

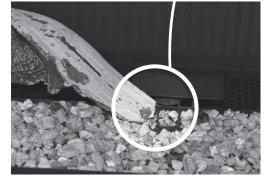
Each log has pegs to help you locate it on the media tray. Install the logs as shown below using the **round holes**.



1. Place the rear left log at the left end of the media tray as indicated. Its narrow end rests on the vermiculite as indicated.



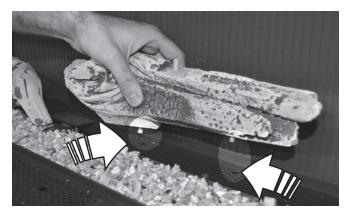




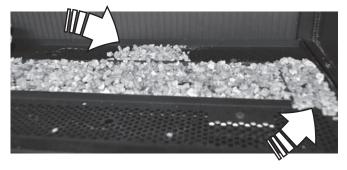
2. Place the front left log as indicated.



3. Place the center rear log as indicated.



4. Add some vermiculite in the media tray at the right end of the burner and behind as indicated. This vermiculite will help keep the right rear log in position.

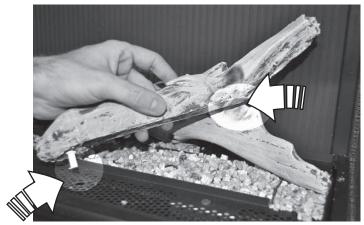


5. Place the right rear log as indicated. The small end of the log rests on the burner, 1-3/4 inch from the front edge of the burner.



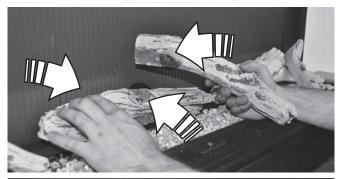


6. Place the right cross log on to recess of right rear log as indicated, ensuring it is firmly located.





7. Lightly rotate forward the center rear log and place the centre cross log onto the rear log as indicated. .





8. Vermiculite may be added outside the burner on the platform if desired around the logs.



9. Place the rocks on the platform as shown below.



/!\ WARNING

CHOKING HAZARD! Ensure that the fireplace area is clear of vermiculite particles as these could be ingested by small children. Vacuum area after installation.

IMPORTANT: Approved for use only with the vermiculite provided with your Valor fireplace The use of any other products may void your fireplace warranty.



Long Beach Driftwood Kit installed

Decorative Glass Murano 2200DGM

Material required

- Decorative Glass Murano kit, which contains:
 - 1 bag of clear fireglass
 - · 2-piece glass platform
 - 8 ceramic pads

Installation

Carefully unpack the kit.

1. Install the 8 ceramic pads around the burner as indicated. The pads will raise the glass platform.

/!\ WARNING

CHOKING HAZARD! Ensure that the fireplace area is clear of fireglass particles as these could be ingested by small children. Vacuum area after installation.

IMPORTANT: Approved for use only with the fireglass provided with your Valor fireplace The use of any other fireglass products may void your fireplace warranty.



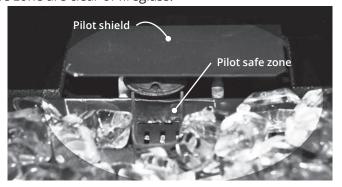
2. Install the front and rear glass platform, smooth side up, on the ceramic pads.



3. Carefully spread the fireglass by hand on the surface of burner forming a single layer to the level of the top edge of the flange around the burner. Do not pour directly from the bag and do not pour too much to avoid blocking the burner ports.

NOTE: Ensure the areas within the pilot shield and pilot safe zone are clear of fireglass.







Decorative Glass Murano installed

Decorative Glass Set 2200DGS

Material required

- Decorative Glass set, which contains:
 - · 4 bags of clear fireglass

Installation

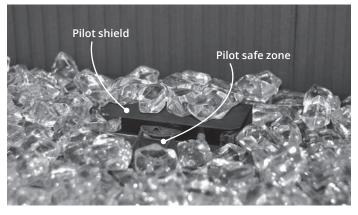
Carefully unpack the kit.

Carefully spread the fireglass by hand on the surface of burner and the media tray covering the edge of the burner. Do not pour directly from the bag and do not pour too much to avoid blocking the burner ports.



Use one bag of fireglass for the burner, one for the rear media tray and one for the front media tray. Use the fourth bag to fill up gaps or edges of the burner.

NOTE: Ensure the areas within the pilot shield and pilot safe zone are clear of fireglass.





/ WARNING

CHOKING HAZARD! Ensure that the fireplace area is clear of fireglass particles as these could be ingested by small children. Vacuum area after installation.

IMPORTANT: Approved for use only with the fireglass provided with your Valor fireplace The use of any other fireglass products may void your fireplace warranty.



Decorative Glass Set installed

Fuel Beds

Splitwood Kit 1700SWK

Material required

- Split Wood Kit, which contains:
 - 1 bag of splinters
 - 1 bag of small embers
 - 11 logs

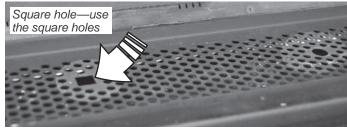
Installation

Carefully unpack the kit.

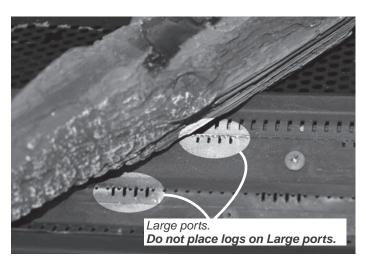
Logs, embers & splinters

Some logs are marked with a number to facilitate their identification. They also have positioning pins underneath which fit into the SQUARE holes in the media tray.





Some logs straddle the burner; make sure they rest over the smaller burner ports rather than the larger ones.



1. Install the logs according to the images below. See image of full layout of logs in the following pages. Use the following order: log 1, 2, 3, 4, 6, 5, 7, 9, 8, 10 and 11.

Notes

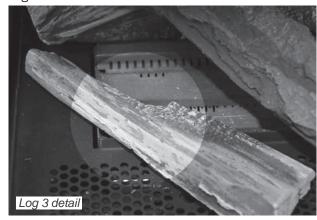
• Log 1 rests on the media tray.



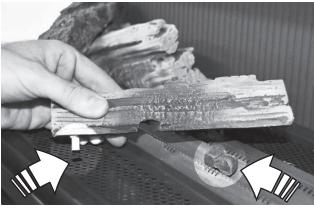
• Log 2 rests on notch of log 1.

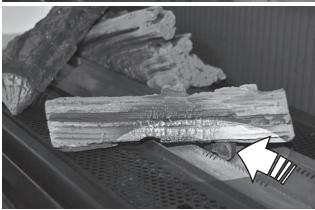


• Log 3 rests across the front corner of the burner.

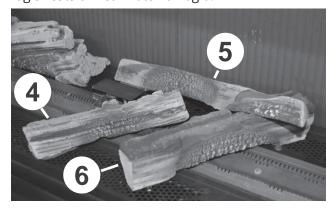


• Log 4 straddles the burner, rests on two pieces of ember—do not cover the large burner ports.





- Log 6 straddles the burner—do not cover the large burner ports.
- Log 5 rests on rear notch of log 6.



• Log 7 rests on front notch of log 6.



• Log 9 straddles the burner—do not cover the large burner ports.

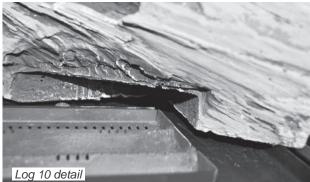


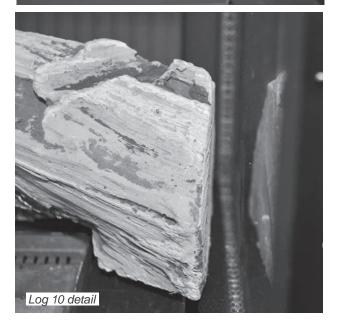
• Log 8 rests on the notch of log 9.



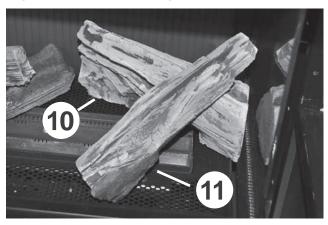
 Log 10 rests on the rear and the right edge of the media tray wrapping around the corner of the burner. Note: the right side of the log does NOT touch the window.







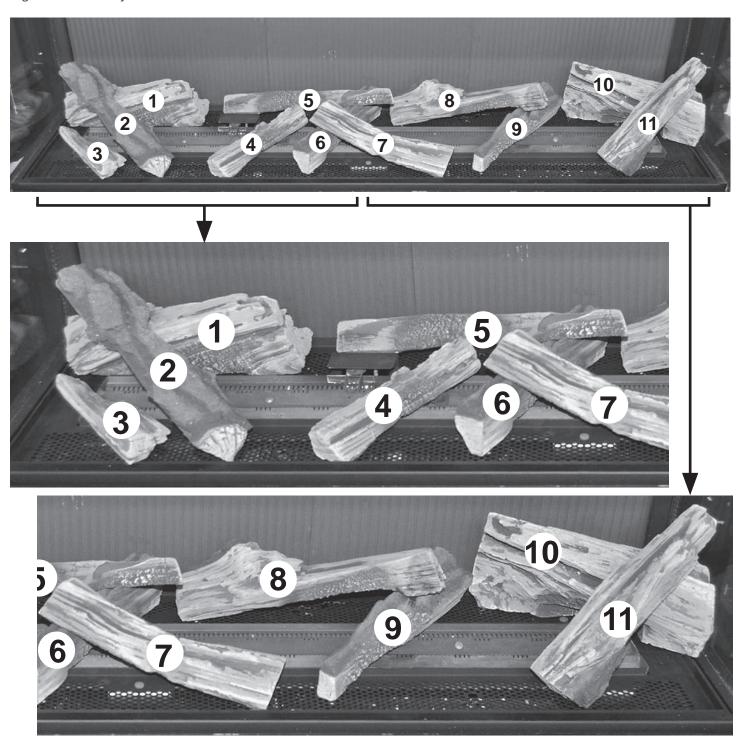
• Log 11 rests on notch of log 10.



Fuel Beds

Installation

Logs installed—full layout



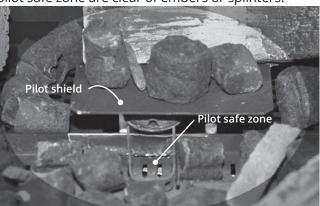
2. Carefully spread by hand the embers loosely in a single layer on the surface around the logs. Do not pour from the bag neither pile up the embers to avoid blocking the burner ports.





3. Use the embers to cover the edge of the burner and the round holes.

4. Spread some splinters to the embers. NOTE: Ensure the areas within the pilot shield and pilot safe zone are clear of embers or splinters.





! WARNING

CHOKING HAZARD! Ensure that the fireplace area is clear of embers/splinters particles as these could be ingested by small children. Vacuum area after installation.

IMPORTANT: Approved for use only with the ceramic embers and splinters provided with your Valor fireplace The use of any other products may void your fireplace warranty.



1700SWK installed

Fuel Beds

Rocks & Shale Set 1714RSS

Material required

- Rock & Shale Set, which contains:
 - 1/2lb-bag of 3/4" grey shale
 - 1/2lb-bag of 3/4" black shale
 - 5 twigs
 - 34 rocks

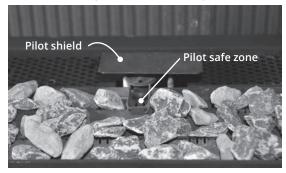
Installation

Carefully unpack the kit.

1. Mix the black and grey shale pieces and spread them by hand in one layer thick on top of the burner. Do not pour from the bag and do not overfill to avoid blocking burner ports!



NOTE: Ensure the areas *within* the pilot shield, on the pilot shield and in pilot safe zone are clear of shale. **Do not put rocks on the pilot shield!**



2. Place rocks around the shale bed as indicated. These rocks will be used to support the twigs. The rocks used is not important.

- 3. Place the twigs on the rocks as shown.

 Note: The position of the twigs are specific to obtain the best flame pattern. The twigs should not rest flat on the shale bed. Their position across the shale bed allows some air underneath.
 - a. Place the one of the curvy twigs as indicated.



b. Place a short Y twig on the rocks behind the pilot shield; rest the other end on the shale bed.



c. Place the long Y twig as indicated.



d. Place the other short Y twig as indicated.



e. Place the other curvy twig as indicated.



Suggested positions for additional rocks around shale bed



! WARNING

CHOKING HAZARD! Ensure that the fireplace area is clear of shale pieces as these could be ingested by small children. Vacuum area after installation.

IMPORTANT: Approved for use only with the ceramic rocks, twigs and shale provided with your Valor fireplace The use of any other products may void your fireplace warranty.

4. Install the remaining rocks around the shale bed. Do not put any rock on the pilot shield! Do not put rocks on the shale!

The acceptable variations are only for rocks installed outside of the shale bed.



Replacing Light Bulbs

Decorative Lighting

This appliance is equipped with decorative lighting located above the fuel bed, inside the firebox.

Test this overhead lighting before completing installation (see *Appendix B - Remote Control Operation* on page 65). If any of the bulbs are out, replace them using the following steps.

Required Bulbs

The light bulbs in the LX2 are 120V, 20W bi-pin (JC) halogen bulbs GY6.35. A total of 3 are installed in the unit.



Remove Barriers and Windows

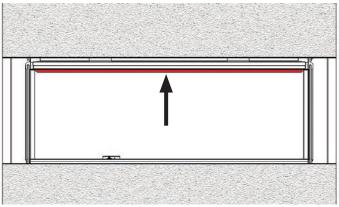
Changing the light bulbs requires access to the inner firebox. See *Window Removal* on page 26 for details on removing the windows from the fireplace.

Change Bulbs

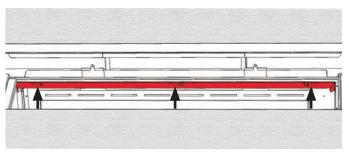


Wear gloves when changing these bulbs. Most manufacturers recommend never touching them as oil from your skin can shorten their life.

- 1. Gently pull the bulb out of the receptacle in the lighting rail.
- 2. Replace with a new bulb. Be careful to align pins with the receptacle holes.
- 3. Test the lighting with the remote control handset before replacing windows (lighting can operate independent of main fire being on or off).
- 4. Reinstall windows and barrier screens following steps in section *Window Re-Installation* pages 51 pages 52.



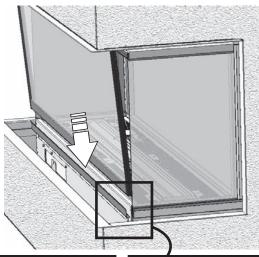
Lighting rail, just behind window



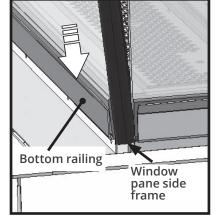
Position of 3 light bulbs looking up in the firebox

To refit the window:

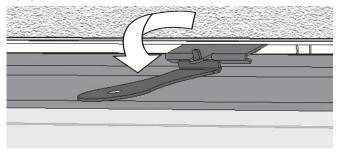
- 1. Remove any fuel bed media particle from the window bottom rail before installing the window.
- 2. Ensure the gasket is well fitted to the bottom of the window pane.
- 3. Insert the window behind the appliance's front panel and lower it into its bottom rail.







- 4. Push the top of the window pane against the firebox. Ensure it is centered on the firebox so it seals properly.
- 5. While you hold it, pull down and hook one of the spring-loaded levers onto the window top black frame using the door handle. Repeat with the other lever.



Window Re-Installation



/ WARNING

The window units must be correctly installed, fastened and sealed after servicing or serious bodily injury and/or damage to the fireplace may result.

To ensure safe operation:

- Double-check that the bottom of each window frame is correctly installed in the bottom support railing;
- Verify that the retainer hooks are hooked properly to the top angle brackets:
- Pull out the top of each side window and release it to ensure the springs return it;
- Ensure the window is sealed before operation.



/!\ WARNING

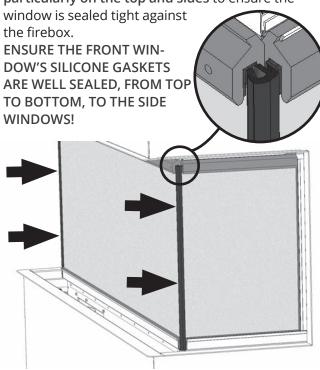
Failure to install the window correctly can:

- Cause carbon monoxide to leak.
- Affect the performance of the fireplace.
- Damage components.
- Cause overheating resulting in dangerous conditions.

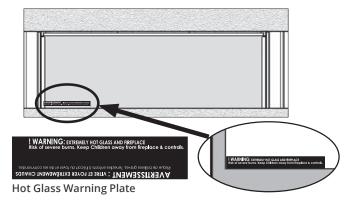
Damage caused by incorrect window installation is not covered by the Valor Warranty.

Window Re-Installation

6. Apply firm hand pressure around the window pane particularly on the top and sides to ensure the



7. If the Hot Glass Warning plate has been removed from the front lower corner of the window, reinstall it by sliding it between the glass and the frame as indicated.

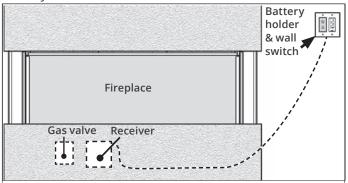




For safety purposes, make sure the barrier screen is re-installed on the fireplace front after maintenance.

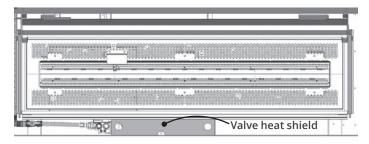
Pair Remote Control Receiver to Handset

The receiver and the handset of the remote control system must be initially synchronized before the first use. The receiver is located on the bottom of the fireplace behind the front panel under the valve heat shield. The battery holder is located next to the wall switch.

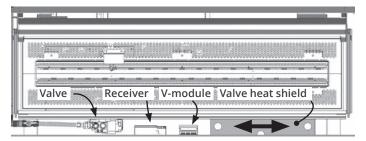


The receiver and gas valve are located on the bottom of the fireplace behind the front panel under the valve heat shield. The battery holder is located next to the wall switch.

- Insert two 1.5 V AAA alkaline batteries in the handset.
- 2. Behind the front panel of the appliance, slide the valve heat shield to the right and locate the receiver. Detach it from the Velcro and pull it out.

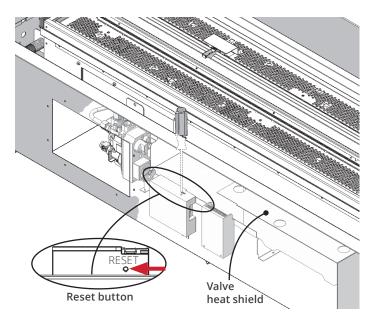


Top view-Valve heat shield closed



Top view—Slide valve heat shield opened

Remote Control Pairing



- 3. Locate the Reset button on the top side of the receiver.
- With a thin object, press and hold the receiver's RESET button until you hear one short and one long beeps. After the second beep, release the reset button.
- 5. Within the subsequent 20 seconds, press and hold the v button on the remote handset for 2-3 seconds. Will be displayed on the handset during the pairing sequence. You will hear two short beeps confirming the pairing is done.



If you hear one long beep, the pairing sequence has failed or the wiring is incorrect This is a one time pairing only and is not required when changing the batteries of the handset or battery holder. The remote control system is now ready to use.

6. Put the valve heat shield back in place, over the valve, receiver and v-module.



WARNING

ALWAYS PUT THE VALVE HEAT SHIELD BACK IN PLACE over the valve, receiver and v-module! Otherwise, the controls can overheat and the fireplace stop working.

Remote Control Set-Up

Install Remote Control Handset Wall Holder

The remote control kit for this fireplace comes complete with a wall-mounted holder. This holder is not required in all installations but is provided as an optional feature for those customers who wish to mount the remote handset to the wall.



To install the holder to the wall, find a convenient location and use the hardware provided with the kit. Cover the screws with the included caps to finish the mounting.

Once mounted, the holder is magnetic - simply place the remote gently into the holder.

IMPORTANT: The location of the remote control handset is important to assure proper temperature regulation. To obtain a constant temperature, we recommend that the handset should be **between 3 and 15 feet away from the appliance but not directly above it.** We also advise that the handset should be located away from any other heat source and not in direct sunlight as this may affect the temperature sensor located in the remote handset.

Check Operation

Turn the fireplace flame up and down using the remote control to confirm that the full range of inputs is achieved—see the remote control operation instructions in Appendix.

Set Aeration (if necessary)

Light the fire and allow the unit to warm up for 10–15 minutes to evaluate the flame picture. The burner is equipped with an adjustable shutter to control primary aeration. The shutter is factory-set to an aeration gap which will give optimum performance for the vast majority of installations.

Depending of fuel bed used, altitude and other considerations, the flame picture may be improved by adjusting the aeration. The need for adjustment should be determined only by operating the appliance with the fuel bed, liners and window installed and evaluating the flame picture after a 15-minute warm-up.

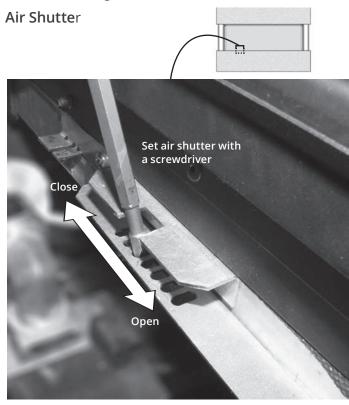
Increasing aeration will cause the flames to appear more transparent and blue showing more ceramic effects glow.

Decreasing aeration will cause the flames to appear more yellow or orange showing less ceramic effects glow.

Too little aeration may result in black carbon forming and dropping into the firebox.

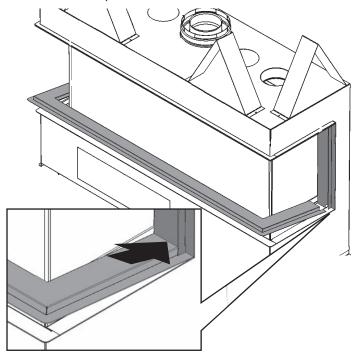
Check Operation

To access the air shutter, remove the barrier screen and the base plate. The air shutter lever is located in front of the firebox behind the appliance front panel. Adjust the shutter by using a screwdriver as a lever to slide the shutter left or right.

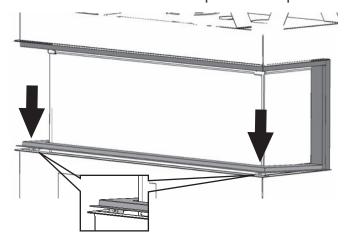


Reinstall Window Sill

1. Place the window sill on the fireplace's flange and while holding it at an upward angle, butt it to the vertical side plates on each side of the window.



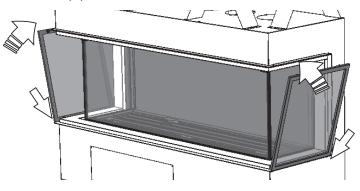
2. Push the sill down ensuring that the magnets underneath slide behind the fireplace's front panel.



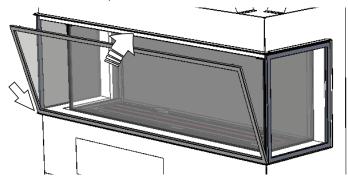
Barrier Screen & Window Sill

Install Barrier Screen

1. Starting with the side screens, place each screen, magnets inboard, against the ridge of the window sill; push the top of the screen against the ridge of the top plate.



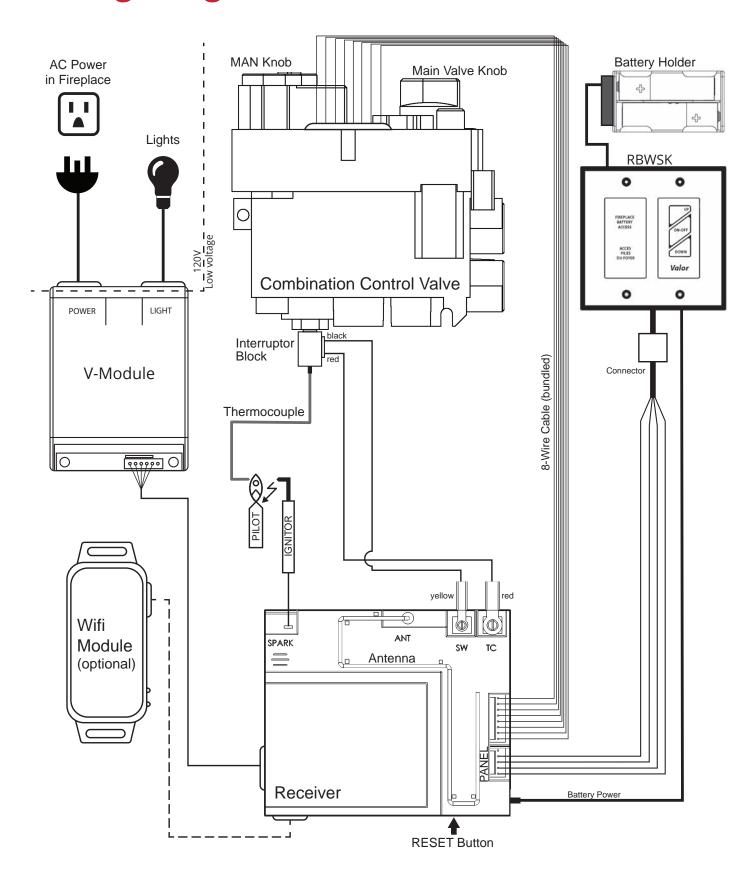
2. Place the front screen, magnets inboard, against the ridge of the window sill; push the top of the screen against the ridge of the top plate. The front screen frame overlaps the side screens'.





For safety purposes, make sure the barrier screen is installed on the fireplace.

Wiring Diagram



Approved Venting Components

Approved Direct Vent Suppliers - Valor Models 2200											
DESIGN		Venting Parts Code / availability by Manufacturer									
Venting Parts Description			DURA-VENT 4 x 6-5/8"	DURA-VENT 5 x 8"	SELKIRK	ICC EXCEL DIRECT	SECURE	RLH INDUSTRIES	AMERIVENT	MILES	ВБМ
	tal	Standard Co-axial	46DVA-HC	58DVA-HC	4DT-HC	TM-4HT	_	_	_	658DVK2	940160
	Horizontal	Deluxe Co-axial	_	_	_	TM-RHT	_	_	4DHCS square	_	940160
Termination Caps		High Wind Co-axial	_	_	_	_	SV4CHC	_	_	_	_
					4DT-VT	_	_	HSDV4658- 1313	4DVC	_	940264
	a	Standard Co-axial	46DVA-VC 5	58DVA-VC					4DH-1313		940364
	Vertical								_		940206LP
Term	۶	High Wind Co-axial	46DVA-VCH	58DVA-VCH	_	TM4-SVT	SV4CGV	_	_	_	_
		Extended Co-axial	46DVA-VCE	58DVA-VCE	_	_	_		_	_	_
	Snorkel, 14" Rise		_	_	4DT-ST14	TM-4ST14	_	_	4D14S	_	94040614
		Snorkel, 36" Rise	_	_	4DT-ST36	TM-4ST36	_	_	4D36S	_	94040636
		Galvanized or Black	46DVA-08A 46DVA-08AB (3" to 7")	_	4DT-ADJ 4DT-ADJ(B)	_	_	_	4D7A or 4D7AB (3" to 5")	_	94610608 (4" to 8-1/2")
gth and	Fipe Extensions 4" x 6-5/8"	Galvanized or Black	46DVA-16A 46DVA-16AB (3" to 14-1/2")	_	_	TC-4DLS1 TC-4DLS1B	SV4LA SV4LBA	_	4D12A or 4D12AB (3" to 10")	_	94610616 (4" to 16")
ie w		Galvanized or Black	46DVA-17TA 46DVA-17TAB (11" to 17")	_	_	TC-4DLS2 TC-4DLS2B (1-7/8" - 21")	SV4LA12 SV4LBA12	_	4D16A or 4D16AB (3" to 14")	_	_
		Galvanized or Black	46DVA-24TA 46DVA-24TAB (17" to 24")	_	_	TC-4DLA30 TC-4DLA30B (16.5"-29")	SV4LA24 SV4LBA24	_	4D26A or 4D26AB (3" to 24")	_	_
	١	Coaxial Flex	46DVA-36FF 46DVA-60FF 46DVA-120FF	_	_	_	_	_	_	_	_
DV 45°		Galvanized	46DVA-E45	58DVA-E45	_	TE-4DE45	_		4D45L	_	94620645
	Elbows	Black	46DVA-E45B	58DVA-E45B	_	TE-4DE45B	SV4EBR45	_	4D45LB	_	94620645B
		Galvanized Swivel			4DT-EL45		SV4E45				
		Black Swivel			4DT-EL45(B)		SV4EB45				
DV 90°	Elbows	Galvanized	46DVA-E90	58DVA-E90	_	TE-4DE90	_		4D90L	_	_
		Black	46DAV-E90B	58DAV-E90B	_	TE-4DE90B	SV4EBR90		4D90LB	_	_
		Galvanized Swivel	_	_	4DT-EL90		SV4E90	_			94620690
		Black Swivel	_	_	4DT-EL90(B)		SV4EB90		_		94620690B

Approved Venting Components

			Venting Parts Code / availability by Manufacturer									
Venting Parts Description			DURA-VENT 4 x 6-5/8"	DURA-VENT 5 x 8"	SELKIRK	ICC EXCEL DIRECT	SECURE	RLH INDUSTRIES	AMERIVENT	MILES	BDM	
	6" long	Galvanized	46DVA-06	58DVA-06	4DT-06	TC-4DL6	SV4L6			_	94610606	
		Black	46DVA-06B	58DVA-06B	4DT-06(B)	TC-4DL6B	SV4LB6	_	_		90410606B	
	7" long	Galvanized	_		_	_		_	4D7			
		Black		_					4D7B			
	9" long	Galvanized	46DVA-09	58DVA-09	4DT-09	TC-4DL9	_	_		_	94610609	
		Black	46DVA-09B	58DVA-09B	4DT-09(B)	TC-4DL9B					94610609B	
	40" 1	Galvanized	46DVA-12	58DVA-12	4DT-12	TC-4DL1	SV4L12	_	4D12		94610612	
Pipes	12" long	Black	46DVA-12B	58DVA-12B	4DT-12(B)	TC-4DL1B	SV4LB12		4D12B		94610612B	
Ā	40" 1	Galvanized	46DVA-18	58DVA-18	4DT-18		_		_	_	94610618	
	18" long	Black	46DVA-18B	58DVA-18B	4DT-18(B)			_			94610618B	
	24" long	Galvanized	46DVA-24	58DVA-24	4DT-24	TC-4DL2	SV4L24	_	4D2	_	94610624	
	24 long	Black	46DVA-24B	58DVA-24B	4DT-24(B)	TC-4DL2B	SV4LB24		4D2B	_	94610624B	
	36" long	Galvanized	46DVA-36	58DVA-36	4DT-36	TC-4DL3	SV4L36	_	4D3	_	94610636	
	30 long	Black	46DVA-36B	58DVA-36B	4DT-36(B)	TC-4DL3B	SV4LB36		4D3B		94610636B	
	48" long	Galvanized	46DVA-48	58DVA-48	4DT-48	TC-4DL4	SV4L48		4D4		94610648	
		Black	46DVA-48B	58DVA-48B	4DT-48(B)	TC-4DL4B	SV4LB48	_	4D4B	_	94610648B	
	Roof Flashing 0/12-6/12		46DVA-F6	58DVA-F6	4DT-AF6	TF-4FA	SV4FA	_	4DF (0/12-5/12)	_	949606012	
Flashings	Roof Flashing 7/12-12/12		46DVA-F12	58DVA-F12	4DT-AF12	TF-4FB	SV4B	_	4DF12 (6/12-12/12)	_	949606712	
Flasi	Flat Roof Flashing		46DVA-FF	58DVA-FF	_	TF-4F	SV4F	_	_	_	949606001	
	Masonry Flashing		_	_	_	TF-4MF	_	_	_	_	_	
	New Siding Flashing		_	_	_	_	_	_	_	658NSFK	_	
	Wall Thimble Storm Collar		46DVA-WT	58DVA-WT	4DT-WT	TM-4WT	SV4RSM	_	4DWT	_	949064U	
			46DVA-SC	58DVA-SC	4DT-SC	TM-SC	SV4AC	_	4DSC	_	94960608	
	Decorative Plate		46DVA-DC	58DVA-DC	4DT-CS	TM-4TR TM-4TP	SV4PF	_	4DFPB	_	94940612	
Parts	Cathedral Ceiling Support		46DVA-CS	58DVA-CS	4DT-CCS	TM-4SS	_	_	4DRSB	_	949506KT	
System Parts		g Firestop / r Support	46DVA-FS	58DVA-FS	4DT-FS	TM-4TDS TM-CS	SV4BF SV4SD	_	4DFSP	_	94980612	
Various Venting \$	Attic Radiation Shield / Firestop		_		_	TM-4AS		_	4DAIS12 (12")			
				_					4DAIS36 (36")	_	94930620A	
	Wall Strap		46DVA-WS	58DVA-WS	4DTWS	TM-WS	_	_	4DWS	_	949164	
	Vinyl Siding Standoff		46DVA-VSS	58DVA-VSS	4DT-VS	TM-VSS	SV4VS	_	4DHVS	_	94800615S	
	Elbow Strap / Offset Support		46DVA-ES	58DVA-ES	4DT-OS	TM-OS	_	_	_	_	949264	
	Terminal Guard		46DVA-WG	58DVA-WG	_	TM-HTS TM-RHTS	_	_	_	845TG 658TG	940164SHRI	

Notes: 1. Follow instructions supplied with each manufacturer's components.

To not mist cutoffice specified, all the parts and assemblies from the above table are to be used with 4" x 6-5/8" pipes.
 Do not mix components from different vent manufacturers.
 Termination caps manufactured by RLH Industries or American Metal Products are from Homestyle Chimney Collection and can be ordered in one of the following finishes: a) aluminium; b) black powder coated; c) solid copper.

Commonwealth of Massachusetts

State of Massachusetts Carbon Monoxide Detector/Vent Terminal Signage Requirements

For all side wall horizontally vented gas fueled equipment installed in every dwelling, building or structure used in whole or in part for residential purposes, including those owned or operated by the Commonwealth and where the side wall exhaust vent termination is less than seven (7) feet above finished grade in the area of the venting, including but not limited to decks and porches, the following requirements shall be satisfied:

- 1. INSTALLATION OF CARBON MONOXIDE DETECTORS. At the time of installation of the side wall horizontal vented gas fueled equipment, the installing plumber or gas fitter shall observe that a hard wired carbon monoxide detector with an alarm and battery back-up is installed on the floor level where the gas equipment is to be installed. In addition, the installing plumber or gas fitter shall observe that a battery operated or hard wired carbon monoxide detector with an alarm is installed on each additional level of the dwelling, building or structure served by the side wall horizontal vented gas fueled equipment. It shall be the responsibility of the property owner to secure the services of qualified licensed professionals for the installation of hard wired carbon monoxide detectors.
- a. In the event that the side wall horizontally vented gas fueled equipment is installed in a crawl space or an attic, the hard wired carbon monoxide detector with alarm and battery back-up may be installed on the next adjacent floor level.
- b. In the event that the requirements of this subdivision can not be met at the time of completion of installation, the owner shall have a period of thirty (30) days to comply with the above requirements; provided, however, that during said thirty (30) day period, a battery operated carbon monoxide detector with an alarm shall be installed.
- 2. APPROVED CARBON MONOXIDE DETECTORS. Each carbon monoxide detector as required in accordance

with the above provisions shall comply with NFPA 720 and be ANSI/UL 2034 listed and IAS certified.

- 3. SIGNAGE. A metal or plastic identification plate shall be permanently mounted to the exterior of the building at a minimum height of eight (8) feet above grade directly in line with the exhaust vent terminal for the horizontally vented gas fueled heating appliance or equipment. The sign shall read, in print size no less than one-half (1/2) inch in size, "GAS VENT DIRECTLY BELOW. KEEP CLEAR OF ALL OBSTRUCTIONS".
- 4. INSPECTION. The state or local gas inspector of the side wall horizontally vented gas fueled equipment shall not approve the installation unless, upon inspection, the inspector observes carbon monoxide detectors and signage installed in accordance with the provisions of 248 CMR 5.08(2)(a)1 through 4.
- (b) EXEMPTIONS: The following equipment is exempt from 248 CMR 5.08(2)(a)1 through 4:
- 1. The equipment listed in Chapter 10 entitled "Equipment Not Required To Be Vented" in the most current edition of NFPA 54 as adopted by the Board; and
- 2. Product Approved side wall horizontally vented gas fueled equipment installed in a room or structure separate from the dwelling, building or structure used in whole or in part for residential purposes.
- (c) MANUFACTURER REQUIREMENTS GAS EQUIPMENT VENTING SYSTEM PROVIDED. When the manufacturer of Product Approved side wall horizontally vented gas equipment provides a venting system design or

Commonwealth of Massachusetts

venting system components with the equipment, the instructions provided by the manufacturer for installation of the equipment and the venting system shall include:

- 1. Detailed instructions for the installation of the venting system design or the venting system components; and
- 2. A complete parts list for the venting system design or venting system.
- (d) MANUFACTURER REQUIREMENTS GAS EQUIPMENT VENTING SYSTEM NOT PROVIDED. When the manufacturer of a Product Approved side wall horizontally vented gas fueled equipment does not provide the parts for venting the flue gases, but identifies "special venting systems", the following requirements shall be satisfied by the manufacturer:
- 1. The referenced "special venting system" instructions shall be included with the appliance or equipment installation instructions; and
- 2. The "special venting systems" shall be Product Approved by the Board, and the instructions for that system shall include a parts list and detailed installation instructions.
- (e) A copy of all installation instructions for all Product Approved side wall horizontally vented gas fueled equipment, all venting instructions, all parts lists for venting instructions, and/or all venting design instructions shall remain with the appliance or equipment at the completion of the installation.

Appendix A - Lighting Instructions Plate

FOR YOUR SAFETY, READ BEFORE LIGHTING

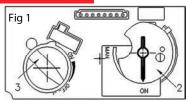
WARNING: If you do not follow these instructions exactly a fire or explosion may result causing property damage, personal injury or loss of life.

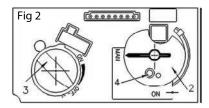
- A. This appliance has a pilot which must be lighted by hand or by remote control. Follow these instructions exactly. To save gas, turn the pilot off when not using the appliance for a prolonged period of time.
- B. BEFORE LIGHTING, smell all around the appliance area for gas. Be sure to smell next to the floor because some gas are heavier than air and will settle on the floor.

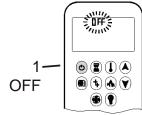
WHAT TO DO IF YOU SMELL GAS

- · Do not try to light any appliance.
- Do not touch any electric switch; do not use any phone in your building.
- Immediately call your gas supplier from a neighbor's phone. Follow the gas supplier's instructions.
- · If you cannot reach your gas supplier, call the fire department.
- C. Use only your hand to push in or turn the control knobs. Never use tools. If the knobs will not push in or turn by hand, don't try to repair them; call a qualified service technician. Force or attempted repair may result in a fire or explosion.
- D. Do not use this appliance if any part has been under water. Immediately call a qualified service technician to inspect the appliance and to replace any part of the control system and any gas control, which has been under water.

LIGHTING INSTRUCTIONS







- 1. STOP! Read the safety information above
- 2. TO CLEAR ANY GAS, turn main valve off by pressing the (\mathfrak{G}) button on remote handset (1). Wait five (5) minutes to clear out any gas, then smell for gas, including near the floor. If you smell gas, STOP! follow "B" in the safety information above on this label. If you don't smell gas, go to the next step.
- 3. AUTOMATIC IGNITION: MAN-knob (2) in ON position. Ensure Flame Adjustment knob (3) is set to lowest setting (Fig. 1). Locate the pilot (Fig. 3.) inside the firebox.

On the remote control handset, press the (b) button; a short acoustic signal confirms the start has begun. Further short acoustic signals indicate the ignition process is in progress When the pilot is lit, the Flame Adjustment knob (3) will automatically rotate to the highest setting. Press the (v) button on the remote control handset to reduce the flame height.

4. MANUAL IGNITION: MAN-knob (2) in MAN position (Fig. 2). With the window off, locate the pilot (Fig. 3) inside the firebox. Set Flame Adjustment knob (3) to the lowest setting. Push down the metallic core (4) with a pen or similar instrument; this will establish the pilot gas flow. Light gas at the pilot (5) with a match. Continue holding down metal core (4) for about 10 seconds; after release, pilot should remain lit. If the pilot will not stay lit after several tries, turn the gas control knob (3) to OFF and call your local service technician or gas supplier. Reinstall the window and set the MAN-knob (2) to ON; turn Flame Adjustment knob (3) up or down manually or use the (▲) and (▼) buttons on the

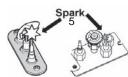


Fig 3

TO TURN OFF GAS TO APPLIANCE

remote control handset to adjust the flame height.

AUTOMATIC SHUT-OFF (using the remote control handset):

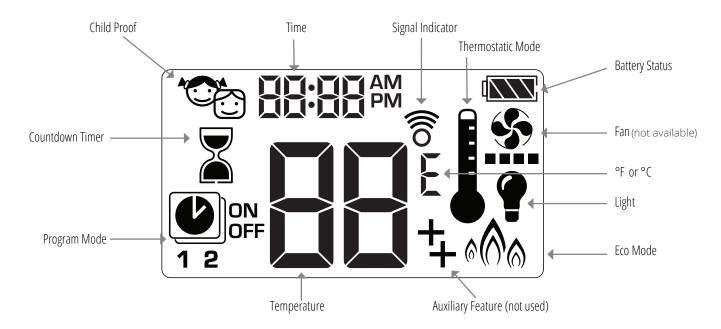
Press and hold the v button on the remote control handset to shut-off the main burner gas flow.

Press the (\circlearrowleft) button on remote handset to shut-off the appliance, including pilot flame.

Initial Pairing

Before using the remote control system for the first time, the receiver and the handset must be paired. See *Remote Control Pairing* on page 53

Main Display



To Turn On Fire

NOTE: When pilot ignition is confirmed, motor automatically turns to maximum flame height.

One-Button lighting (default): (b)
Two-Button lighting: (b) + (A)
simultaneously

Press and hold for 4 seconds, until 8 short beeps and a blinking series of lines confirms the start sequence has begun. Release button.

Main gas flows once pilot ignition is confirmed.

Handset automatically goes into manual mode after main burner ignition.

Standby Mode (Pilot Flame)

Press and hold to set appliance to pilot flame.





⚠ CAUTION: If the pilot does not stay lit after several tries call your local service technician or gas supplier.

To Turn Off Fire

Press (b) to turn OFF.

Note: There is a 2 minute delay after switching off before the next ignition is possible.



CAUTION: Always check the fire and pilot visually to ensure they are off.

Flame Height Adjustment

To increase flame height, press and hold **A**.

To decrease flame height, press and hold . You may hold the button down until the fire is set to pilot flame only.



Designated Low Fire and High Fire

To go to low fire, double-click \bigvee . "LO" is displayed.

Note: Flame goes to high fire first before going to low fire.



To go to high fire, double-click **A**. "HI" is displayed.



Choosing 1-Button or 2-Button Ignition

On the remote control handset, you can choose a 1-button or 2-button ignition. You can also choose to activate or deactivate some of the functions. By default, the handset is set to a 1-button ignition.

To change from 1-button to 2-button ignition, remove the batteries, wait 10 seconds, reinsert batteries, and immediately when the display flashes, press and hold the (b) button for 10 seconds. **ON** is displayed and **1** is flashing. When change is complete, **1** changes to **2**.

To change from 2-button to 1-button ignition, proceed the same as above. **ON** is displayed and **2** is flashing. When change is complete, **2** changes to **1**.

Deactivating or Activating Functions

These functions are active by default, but can be deactivated at any time:

- · Child Proof
- Program Mode
- Thermostatic Mode
- Eco Mode
- Circulating Fan Operation
- Countdown Timer

To deactivate functions:

- 1. Install batteries. All icons are displayed and flashing.
- 2. While the icons are flashing, press the relevant function button and hold for 10 seconds.
- 3. The function icon will flash until deactivation is complete. Deactivation is complete when the function icon and two horizontal bars (→ →) are displayed.

Note: If a deactivated button is pressed, there is no function, and the two horizontal bars are displayed.

To activate functions:

- 1. Install batteries. All icons are displayed and flashing.
- 2. While the icons are flashing, press the relevant function button and hold for 10 seconds.
- 3. The function icon will continue to flash until activation is complete, and then turn solid. Activation is complete when the function icon is displayed.

Setting Celsius or Fahrenheit

To change between °C and °F, press and hold 0 + 3 simultaneously.

Note: °C = 24-hour clock °F = 12-hour clock

Setting the Time

- Press A + V simultaneously.
 Day flashes.
- 2. Press ♠ + ♥ to select a number to correspond with the day of the week.
 - 1 = Monday
 - 2 = Tuesday
 - 3 = Wednesday
 - 4 = Thursday
 - 5 = Friday
 - 6 = Saturday
 - 7= Sunday
- 3. Press (A) + (V) simultaneously. **Hour** flashes.
- 4. To select hour press ♠ or ♥.
- 5. Press (A) + (Y) simultaneously. **Minutes** flash.
- 6. To select minutes press (A) or (V).
- 7. To confirm, press (A) + (V) simultaneously or wait.





Child Proof

Your handset can be set to lock out all commands to the fireplace, except OFF.

To turn Child Proof ON:

- 1. Press and hold $\textcircled{0} + \overrightarrow{V}$ simultaneously.
- 2. is displayed. Child Proof is now active.

To turn Child Proof OFF:

- 1. Press and hold $\textcircled{0} + \overrightarrow{V}$ simultaneously.
- 2. disappears. Child Proof is now inactive, and the handset has full function.

Countdown Timer

You can set your fireplace to automatically turn off at the end of a timer.

88:88

(b) (1) (A)

(1) (t) (A) (V)

(\$) (?)

To set a Countdown Timer:

- 1. Press and hold until is displayed. **Hour** flashes.
- 2. Press ♠ or ♥ to select Hour.
- 4. Press ♠ or ♥ to select Minutes.
- 5. To confirm, press (or wait.

To turn off a Countdown Timer:

1. Press \square , and the \square countdown disappears.

Note: The Countdown Timer only works in Manual, Thermostatic, and Eco modes. Maximum countdown time is 9 hours and 50 minutes.

Light/Dimmer Operation

On:

Press **?**, **?** is displayed. Light is on at preset level.

Off:

Press (), disappears. Light turns off.



Setting:

- 1. Press and hold **1** until **1** flashes.
- 2. To adjust light between 20-100% press A or V.
- To confirm setting either press or wait.
 is displayed.

Note: The light works independently of the pilot flame. If you want the light on but no flame, press (*) button.

Modes of Operation

I Thermostatic Mode

The room temperature is measured and compared to the set temperature. The flame height is automatically adjusted to achieve the set temperature.





Program Mode

The temperature is controlled by Programs 1 and 2, each of which can be set to go on and off at specific times, at a set temperature.





♠ Eco Mode

Flame height modulates between high and low. If the room temperature is lower than the set temperature, the flame height stays on high for a longer period of time. If the room temperature is higher than the set temperature, the flame height stays on low for a longer period of time. One cycle lasts approximately 20 minutes.





If any of the above modes (Thermostatic, Program, or Eco) are engaged by the MyFire app over WiFi, the handset will display APP.

Manual Mode

The on/off status of the fireplace, as well as flame height, are manually controlled by the user.

Thermostatic Mode

On:

Press (1). I is displayed. Preset temperature displays briefly, followed by the room temperature.



Setting Desired Temperature:

- 1. Press and hold (1) until 1 is displayed and set temperature flashes.
- 2. To adjust set temperature, press (**A**) or (**∀**).
- 3. To confirm, press (1) or wait.



(b) (1) (A)

(1) (1) (A) (V)

(S) (P)

Off:

- 1. Press (1).
- 2. Press (A) or (V) to go to Manual Mode.
- 3. Press to go to Program Mode.
- 4. Press hto go to Eco Mode.

Program Mode

On:

Press (2).



Off:

- 1. Press , A, or to go to Manual Mode.
- 2. Press to go to Thermostatic Mode.
- 3. Press (to go to Eco Mode.

Note: The set temperature for Thermostatic Mode is the temperature for the ON time in Program Mode. Changing the Thermostatic Mode set temperature also changes the ON time temperature in Program Mode.

Default Settings:

- ON TIME (Thermostatic) TEMPERATURE: 70°F / 21°C
- OFF TIME TEMPERATURE: "
 → " (pilot flame only)

Temperature Setting:

- 1. Press and hold until flashes.

 ON and set temperature (set in Thermostatic Mode) is displayed.
- 2. To continue, press or wait. , oFF displayed, temperature flashes.
- 3. Select off temperature by pressing () or ().
- 4. To confirm, press .

Note: The on (Thermostatic) and off set temperatures are the same for each day.

Day Setting:

- 1. ALL flashes. Press ♠ or ♥ to choose between:
 - ALL = same settings ON-OFF every day
 - SA:SU = same settings ON-OFF Saturday and Sunday
 - 1, 2, 3, 4, 5, 6, 7 = daily timer—unique ON-OFF settings for a single day of the week, for multiple days of the week or for every day of the week.
- 2. To confirm, press .

ALL Selected (same settings every day)

On Time Setting (PROGRAM 1)

- 1. **(a)**, **1, ON** are displayed. **ALL** is displayed briefly. Hour flashes.
- 2. To select hour, press \bigcirc or \bigcirc .
- 3. To confirm, press . . . , 1, ON are displayed. ALL displayed briefly. Minutes flash.
- 4. To select minutes, press ♠ or ♥.
- 5. To confirm, press .



訓

(b) (1) (A)

(1) (1) (A) (V)

(\$) (?)

(b) (1) (A)

(a) (t) (A) (v)

(\$) (?)

Off Time Setting (PROGRAM 1)

- 1. **(4)**, **1, OFF** are displayed. **ALL** is displayed briefly. Hour flashes.
- 2. To select hour, press \bigcirc or \bigcirc .
- 3. To confirm, press . . , 1, OFF are displayed. ALL displayed briefly. Minutes flash.
- 4. To select minutes, press ♠ or ♥.
- 5. To confirm, press .

Note: Either continue to PROGRAM 2 and set ON and OFF times or stop programming at this point, and PROGRAM 2 remains deactivated.

Note: PROGRAM 1 and 2 use the same ON (Thermostatic) and OFF temperatures. Once a new ON (Thermostatic) and/or OFF temperature has been set, that temperature becomes the new default setting. **Note:** ON and OFF times programmed for PROGRAM 1 and PROGRAM 2 become the new default times.

The batteries must be removed to clear the PROGRAM 1 and PROGRAM 2 ON and OFF times and temperatures.

SA:SU (same settings Saturday and Sunday) or 1, 2, 3, 4, 5, 6, 7 (different settings on different days)

- Set on time and off time using the same procedure as "ALL Selected" above.
- Waiting to finish setting.

Eco Mode

On:

Press button to enter Eco Mode. his displayed.

Flame height modulates between high and low every 20 minutes.



- BB-BB-

(b) (1) (A)

(1) (t₊) (A) (V)

(\$) (**?**)

OFF

Off:

Press button to exit Eco Mode. A disappears.

Low Battery Indication

⚠ CAUTION: Do not use a screwdriver or other metallic object to remove the batteries from the battery holder or the handset. This could cause a short circuit.

Handset

The battery icon will show when the battery needs to be replaced. Replace with two 1.5 V AAA alkaline batteries.

Receiver

Frequent beeps for 3 seconds when the motor turns indicate the batteries in the battery holder need to be replaced. Replace with four 1.5 V AA alkaline batteries.

Automatic Shut Off

Countdown Timer

At the end of countdown time period, the fire turns off. The Countdown Timer only works in Manual, Thermostatic, and Eco Modes. Maximum countdown time is 9 hours and 50 minutes.

Radio Frequency

918.0 MHz for USA and Canada.

This device complies with Part 15 of the FCC Rules and with Industry Canada license-exempt RSS standard(s). Operation is subject to the following two conditions:

- (1) this device may not cause harmful interference, and
- (2) this device must accept any interference received, including interference that may cause undesired operation.

Low Battery Receiver

With low battery power in the battery holder, the system shuts off the fire completely. (This will not happen if the power is completely interrupted.)

Seven Day Shut Off

The system shuts off the fire completely if there is no change in flame height for 7 days.

Automatic Turn Down

3 Hour No Communication Function

The valve will turn to pilot flame if there is no communication between the handset and receiver for a 3-hour period. The fire will continue to function normally when communication is restored.

Error Codes

In the event of an error condition with the handset or fireplace, the handset will display an error code.

Failure Code	Message on Handset	Duration of Display	Symptom	Possible Cause
F04	F04	4 sec	 No pilot flame within 30 sec Note: after 3 failed ignition sequences, F06 shown 	No gas supplyAir in pilot supply lineNo sparkReversed polarity in thermocouple wiring
F06	F06	4 sec	 3 failed ignition sequences in 5 minutes Fire is not responding, no pilot flame 	 No gas supply Air in pilot supply line No spark Reversed polarity in thermocouple wiring Incorrect pilot orifice if valve has been converted from LPG to NG or vice versa
F07	Low battery symbol	Permanent	Battery icon flashes on handset display	Low battery in handset
F09	F09	4 sec	Fire is not respondingNo electronic control of fire	 Down arrow button was not pressed during pairing Receiver and handset are not synced
F46	F46	4 sec	 Fire is not responding Intermittent response No electronic control of fire 	 No or bad connection between receiver and handset No power at receiver (batteries low) Low communication range (mains adapter faulty, handset not communicating with receiver)

Appendix C - Wall Switch Operation

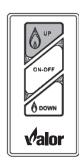
The Wall Switch can be used to control your fireplace. You can turn the pilot on or off and you can increase or decrease the flame height.

Note that the thermostat and programming functions are not available with the wall switch.



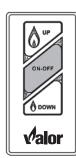
Adjusting Flame Height

Press and hold large flame button to gradually increase flame height.

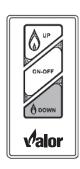


Turning Appliance ON and OFF

Press ON-OFF button once to light pilot. Press again to shut off pilot.



Press and hold small flame **b** button to gradually decrease flame height.



Appendix D - HeatShift System

HeatShift System

Planning Installation: LX2 with HeatShift®

Planning for use with the following Valor Heater Models ONLY: 2200J, 2200K

Application

The HeatShift® convection duct kit redistributes the warm air flow away from the fireplace opening to a more desirable location using natural convection without use of a fan.

Plenums LKD1, LDK3, LDK4 or LDK9: the warm air flow is relocated to a position higher up the wall, out the sidewalls, or even to an adjacent room.

Termination Plates LDK7: the warm air flow is discharged through a gap (min. 2-1/2") between the wall above the fireplace and the ceiling. LDK7's discharge opening must be located in the same room as the fireplace.

The result is much cooler wall temperatures above the fireplace opening for locating televisions, artwork, etc. Any kit, LDK1, LDK3, LDK4, LDK7 or LDK9 may be used on LX2.

Approvals

The LDK1, LDK3, LDK4, LDK7 and LDK9 duct kits are CSA approved for use only with Valor Series fireplaces listed above—DO NOT use with any other models.

5-inch diameter duct used with this kit must be metal. and meet requirements of UL-181 Class 1 Air Duct. Flexible aluminum duct is acceptable provided it meets the UL-181 Class 1 requirements.

Note: These instructions are to be used in conjunction with instructions regarding fireplace installation in this manual.

Kits

There are 4 kits to choose from:

- LDK1—48" Plenum
- LDK3—14" Plenums (2), includes grilles
- LDK4—38" Plenum
- LDK7—Duct Termination Plates (2)—for wall valance discharge ONLY
- LDK9-30" Plenum

Optional accessories

- LDK2—48" Finishing Frame, to use with LDK1
- LDK5—38" Finishing Frame, to use with LDK4
- LDK6— 5" dia Aluminum 2-ply Flex Kit— 2 x 10'-0" lengths, may be cut to required length
- LDK10—30" Finishing Frame, to use with LDK9



WARNING

When placing discharge close to ceilings, staining or streaking may occur on light colored ceilings due to any dust, etc. in air flow; placing plenum(s) lower on the wall will help reduce the possibility of staining or streaking.

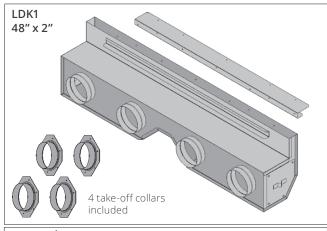


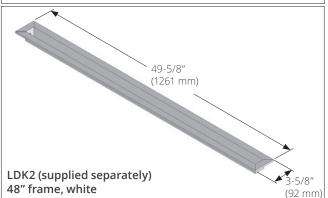
!\ WARNING

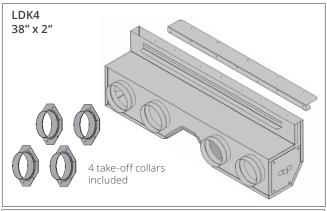
DO NOT cover or place objects in front of or on top of air outlet(s). AVOID locating outlet within 7 feet above floor level as discharge temperatures are hot!

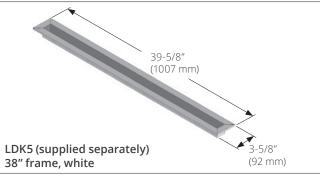
Appendix D - HeatShift System

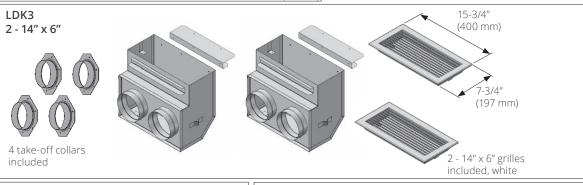
Kits Contents



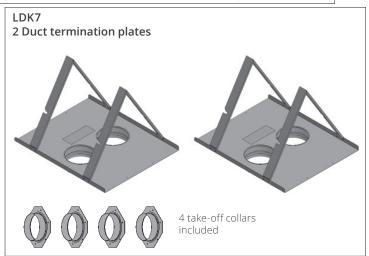




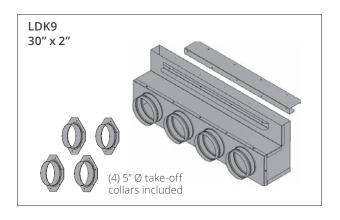


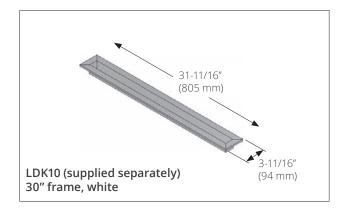






Kits Contents (cont'd)

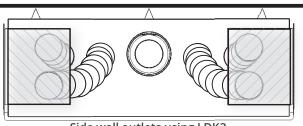




Suggested Configurations

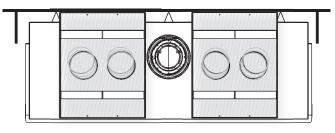
Not to scale

LX2 Series



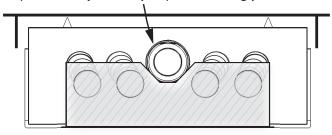
Side wall outlets using LDK3

Note - When using LDK7, the discharge opening must be located in the same room as the fireplace.



With LDK7

Note - Vertical 6-5/8" venting straight off the 2200 will pass by notched plenum without offsetting the vent. If using 8" vertical venting, a 20" deep cavity may not accomodate the plenum. Adjust cavity depth accordingly.



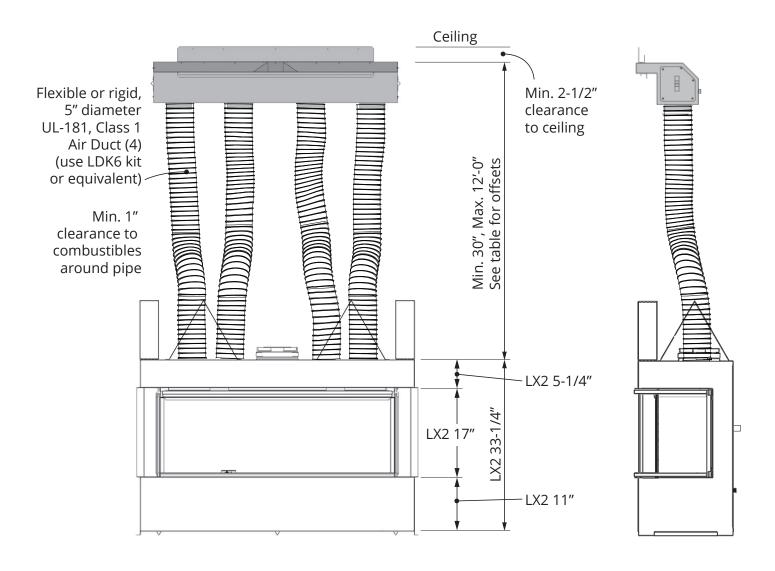
Front wall outlet using LDK1 or LDK4

✓! WARNING

The plenum duct kits are approved for horizontal discharge ONLY. The termination duct plates are approved for vertical upward discharge ONLY. DO NOT install plenum or termination plates in floor or ceiling. DO NOT COVER OR PLACE objects in front of or on top of air outlet(s). AVOID locating outlet within 7 feet of the floor level as discharge air temperatures are hot!

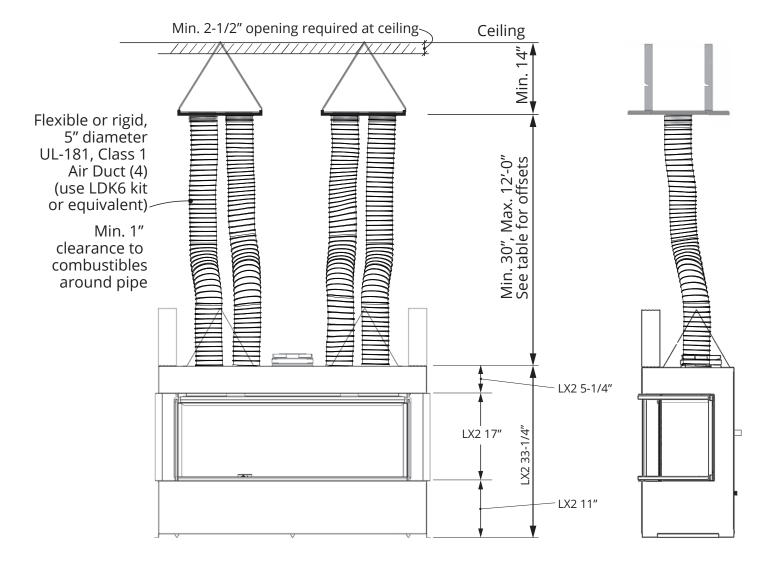
DO NOT DISCHARGE THROUGH **EXTERIOR WALLS!**

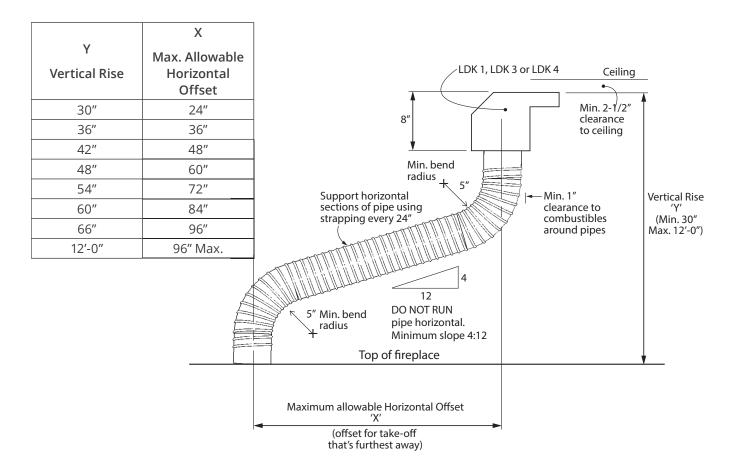
Overview (applies to LKD1, LDK3, LDK4 and LDK9 kits)

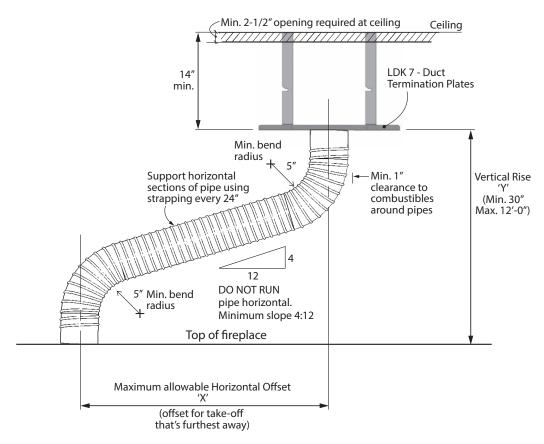


Overview (applies to LDK7 kit)

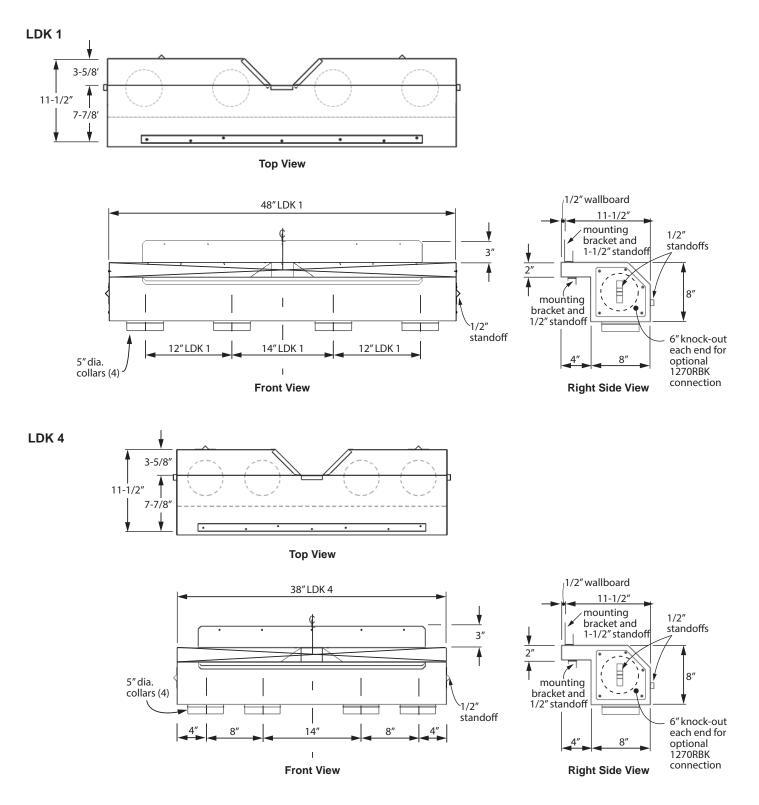
Note - Discharge opening must be located in the same room as fireplace when using LDK7.





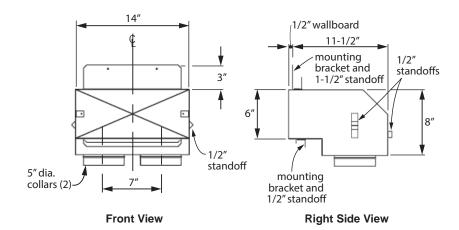


Plenum Dimensions

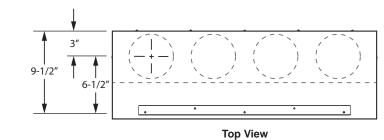


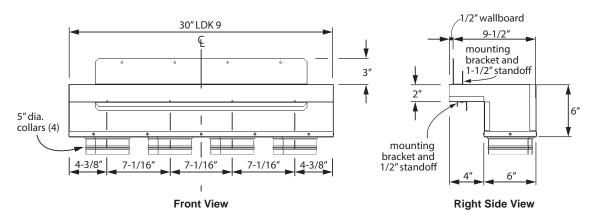
Plenum Dimensions (cont'd)



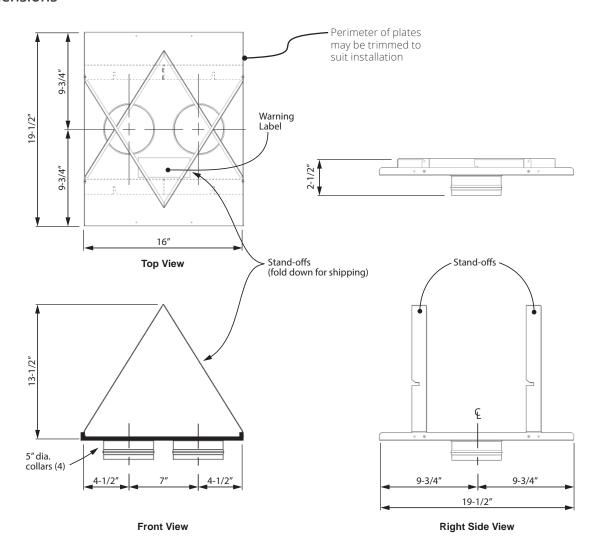


LDK 9

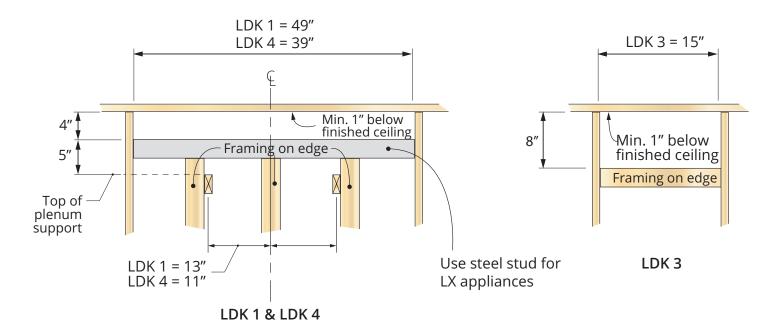


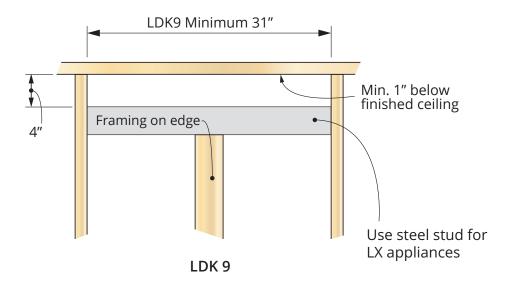


LDK7 Plates Dimensions

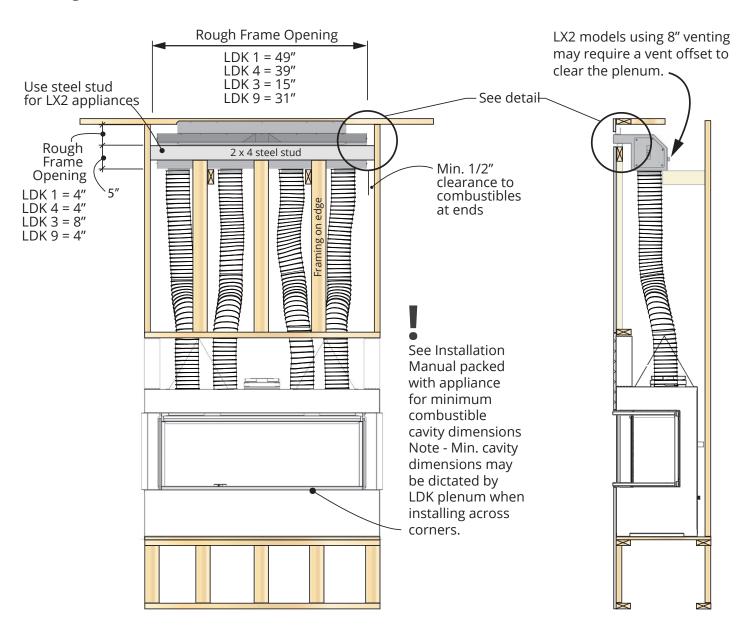


Rough Frame Openings



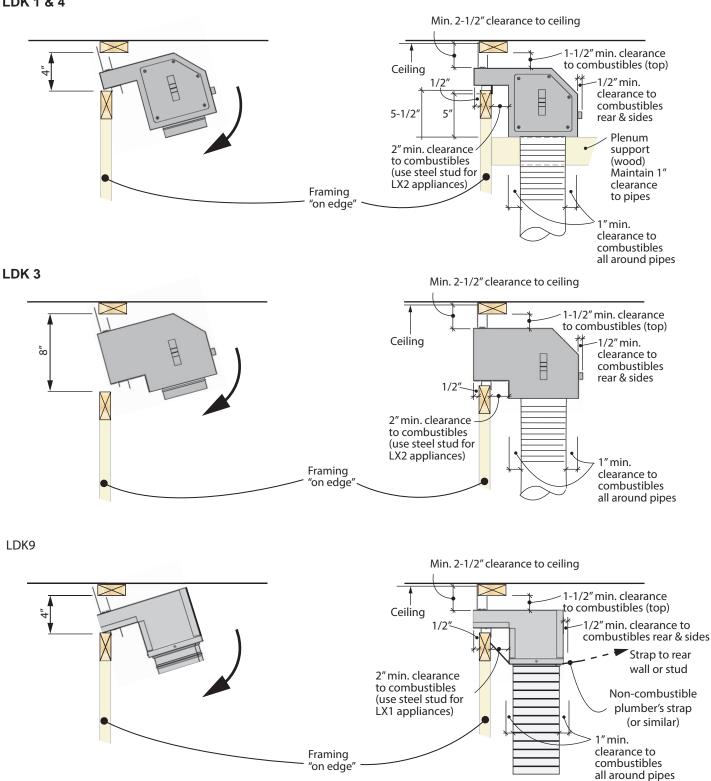


Framing and Clearances

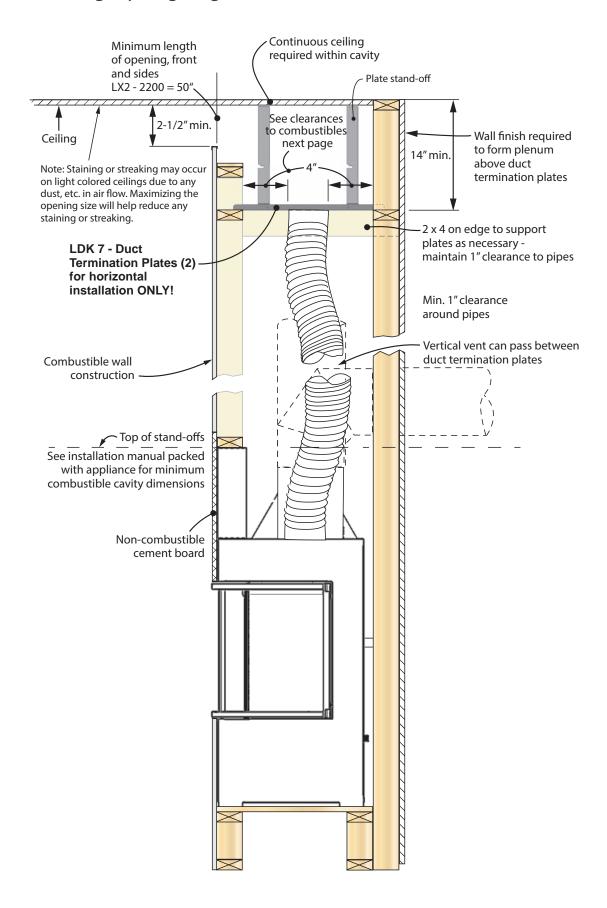


Framing and Clearances

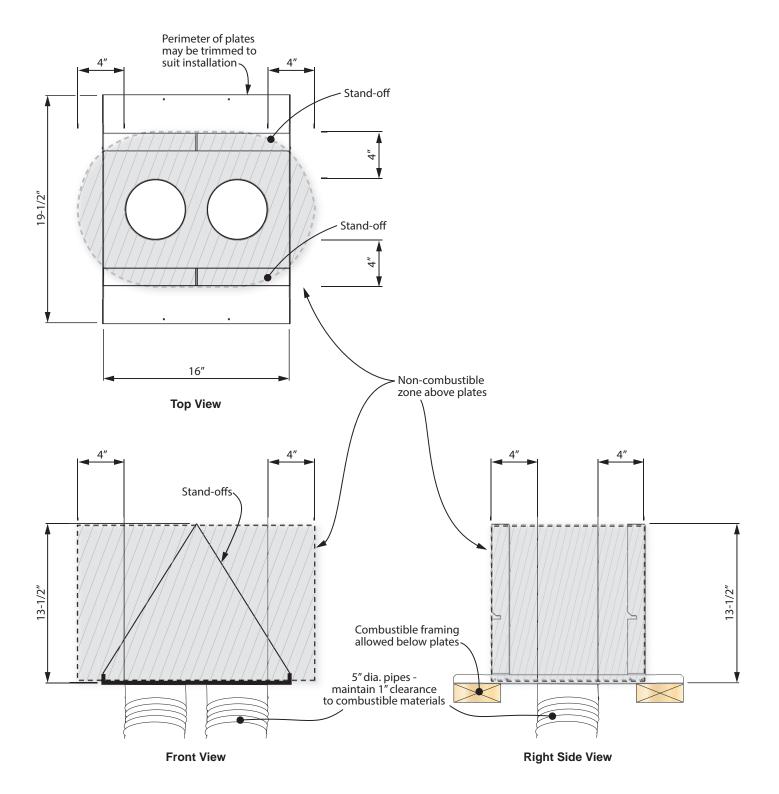




Wall Valance Discharge Opening using LDK7—Duct Termination Plates



LDK7 Clearances to Combustibles

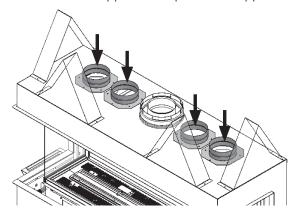


∕!\ WARNING

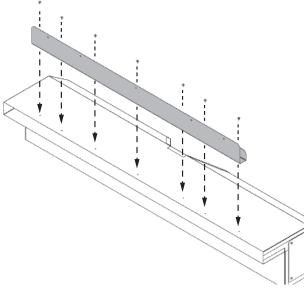
All FOUR (4) takeoffs MUST BE CONNECTED TO PLENUM(S).

Install Plenum Kits (LDK1, LDK3, LDK4 & LDK9) —see next page for LDK7 Duct Termination **Plates**

1. Install 4 collars supplied with plenum to appliance.

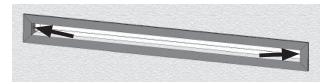


- 2. Frame a rough opening at the desired location—see earlier sections of this manual for allowable plenum positions and rough frame opening sizes.
- 3. Install top mounting bracket(s) to the plenum using screws provided (use the short sheet metal screws provided otherwise the screw tails (ends) will interfere with the finishing frame when installed).

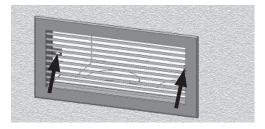


4. Install the plenum(s) into the rough frame opening maintaining minimum clearances to combustibles as listed—see Rough Frame Openings. Fix the plenum to the framing using nails or screws through the top mounting bracket. Note that the mounting brackets are not intended to carry the weight of the plenum and pipes. Provide support to the underside of the plenum and ensure the plenum is level and its outlet is not distorted (see Framing and Clearances). Use metal strapping (all-round, not supplied) as required to further secure the plenum to framing.

- 5. Attach one section of UL-181, Class 1 approved air duct to each of the collars and secure it with gear clamps provided. DO NOT SPLICE DUCTS!
- 6. Attach the top of the pipe sections to the plenum securing them with the gear clamps provided. An upward slope must be maintained in horizontal sections of pipes for proper convection. Use straps as necessary to maintain the pipes positions. Support horizontal sections every 24 inches.
- 7. Paint the inside surfaces of the plenum using hightemperature flat black spray paint for installations where the inside of the plenums may be visible. Note: The flanges of the white finishing frame (when used) will insert approximately 1-1/4" into the plenum covering the shiny sheet metal.
- 8. Install the finishing frame or louver to the plenum after the wall finish is completed: LDK1, LDK4, LDK9: Use the LDK2, LDK5 or LDK10 depending of the length of the plenum.



LDK3: Use the grilles provided with the kit.



Note: The frame/louver are finished white but may be painted another color if desired; use high temperature paint (250°F). You may also finish up to the perimeter of the plenum opening with your material of choice and not use the frame or louver. Do not finish over any of the opening in the plenum outlet.

9. Continue with the fireplace installation.

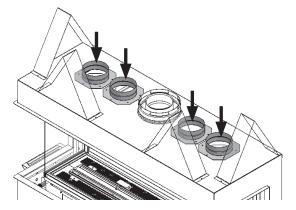
\triangle

WARNING

All FOUR (4) takeoffs MUST BE CONNECTED TO PLENUM(S).

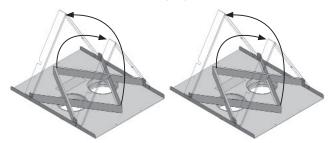
Install Duct Termination Plates (LKD7)
—see previous page for LDK1, LDK3, LDK4 & LDK9
Plenum kits

1. Install 4 collars supplied with plaques to appliance.



- 2. Frame a rough opening and platform at the desired location—see earlier sections of this manual for allowable duct termination plates positions and rough frame opening sizes.
- 3. On each duct termination plate, rotate both standoffs to the vertical position and secure in place using screws provided.





- Install the termination plates into the framing ensuring collars/pipes on underside of plates maintain

 inch clearance to combustibles and clearance to combustible above the plates are maintained as listed in preceding pages.
 - The termination plates perimeter may be trimmed as necessary to accommodate framing. Secure the termination plate to framing using screws or nails to avoid movement.
- 5. Attach one section of UL-181, Class 1 approved air duct to each of the collars and secure it with gear clamps provided. **DO NOT SPLICE DUCTS!**

- 6. Attach the top of the pipe sections to the duct termination plates securing them with the gear clamps provided. An upward slope must be maintained in horizontal sections of pipes for proper convection. Use straps as necessary to maintain the pipes positions. Support horizontal sections every 24 inches.
- 7. Continue with the fireplace installation.

Repair Parts List

	Description	Part no.
LDK1	48" Quad Hot Air Plenum Kit	
	48" x 2" quad plenum	4005476
	5" take-off collars (4)	4005478
	Top mounting bracket/standoffs	4007211
	#8 slotted drive screws 1/4" (7)	798601
LDK2	48" Outlet Frame Kit for LDK1	
	Aux Frame-SPL 48" x 2" white	4005612
LDK3 14" Double Hot Air Plenums Kit		
	14" x 6" double plenums (2)	4005464
	5" take-off collars (4)	4005478
	DABL-00-C-SPL 14" x 6" Grilles white (2)	4005614
	Top mounting bracket/standoffs (2)	4005566
	#8 slotted drive screws 1/4" (6)	798601
LDK4	38" Quad Hot Air Plenum Kit	
	38" x 2" quad plenum	4005477
	5" take-off collars (4)	4005478
	Top mounting bracket/standoffs	4007213
	#8 slotted drive screws 1/4" (7)	798601
LDK5	38" Outlet Frame Kit for LDK4	
	Aux Frame-SPL 38" x 2" white	4005613
LDK6	5" Aluminum 2-ply Flex Kit	
	5" dia 10' (uncompressed) aluminum chimney liners (2)	4005635
	4.5" - 6.5" ss gear clamps (8)	4005642
LDK7	Duct Termination Plates	
	Plate and collar assembly (2)	4006747
	5" take-off collars (4)	4005478
	Screws 8 x 3/8 tap PN HD PH (12)	100A757
LDK9	30" Quad Hot Air Plenum Kit	
	30" x 2" quad plenum	4007903
	5" take-off collars (4)	4005478
	Top mounting bracket/standoff	4007601
	#8 slotted drive screws 1/4" (5)	798601
L D1/40	20" Outlot Frama Kit for LDKO	
LDK10	30" Outlet Frame Kit for LDK9	

Each LDK kit is sold separately.

	Description	Part No.
1	Vent reducer - converts to 4 x 6-5/8"	58DVA-X46
2	Window assembly - left	4005724
3	Window assembly - right	4005723
4	Door handle	4006269BY
5	Door retainer assembly (2)	4005913
6	Wire cover	4006270
7	Electrical passage gasket	4006274
8	Door gasket set	4006238A/B
9	Burner assembly	4006942AH
10	Pilot cover	4005940AH
11	Media tray - rear	4005939AH
12	Media tray - front	4005938AH
13	Window assembly - front	4005722
14	Hot Glass warning plate	4003093
15	Light assembly - upper	4005725
16	Bi-pin halogen bulb GY6.35 20 W (3)	4005700
17	LH Vertical plate	4006955
18	RH Vertical plate	4006954
19	Top plate	4006956
20	Bottom plate	4006957
21	Side screen (2)	4006888X
22	Front screen	4006887X
	Burner module assy - natural gas	4006685KS
23	Burner module assy - propane gas	4006154KS
	Pilot assembly (natural gas)	4006738
24	Pilot assembly (propane gas)	
25	Plug pilot	4000726
	Pilot assembly #51 (natural gas)	4000727
26	Pilot assembly #30 (propane gas)	
27	Thermocouple	4000061
	Pilot injector #51 (natural gas)	4000735
28	Pilot injector #30 (propane gas)	4000736
29	Pilot tube	4000732
30	Pilot hood 2-flame	4000730
31	Extended nut	4001855
32	Electrode	4001856
33	Gas orifice DMS #32 (natural gas)	4007000-32
	Gas orifice DMS #49 (propane gas)	4007000-49
34	Pilot gaskets (2)	4000715
35	Pilot stand extrusion	4006649
36	Air shutter	4006594
37	Air shutter arm	4006582
38	Pivot bracket	4006583
39	Module tray gasket - long (2)	4006256
40	Module tray gasket - short (2)	4006257

	Description	Part No.
41	Block/pipe connector	4006689
42	Gas supply line	4006688
43	Flex line c/w flare to flare fittings	4000345
44	GV60 Gas valve assy - natural gas	4003986X
45	GV60 Gas valve assy - propane gas	4003987X
46	Thermocurrent interruptor	4001037
47	V-Module	4002530
48	Receiver 'CC' two way	4005597
49	Wire harness GV60	4001187
50	Yellow cable to interrupter	4002096
51	Red cable to interrupter	4001035
52	Ignition cable sleeve	4002244
53	Ignition cable 500 mm	4001039
54	Comfort Control wall holder	4004459
55	10-button SYMAX handset black	4007548
56	Remote Battery & Wall Switch Kit	RBWSKX
56a	Junction box	4005527
56b	Cover plate & 4 screws	4005526
56c	Battery holder	4006553
56d	Cable tie	4005524
56e	Harness assembly	4005523
56f	Plate with magnets	4005391
56g	Long screws (4)	4001444
56h	Wall switch with 2 screws	4005522
56i	Battery cover assembly	4005390
57	Ceramic liner panels - complete set	
	Fluted Black Liners	2200FBL
	Limestone Liners	2200LML
58	Rear panel—center	
	Fluted Black	4005943
	Limestone	4005779
59	Rear panel—sides	
	Fluted Black (2)	4005941
	Limestone (2)	4005778
60	Ceramic panel retainers (3)	
	Fluted Black (2)	4006499BY
	Limestone (2)	4006499BY
61	Reflective Glass Liners	2200RGL
62	Panel retainers (3)	4006500BY
63	Glass panels (3)	4005845
64	Murano Glass Set	2200DGM
65	1/2" clear fireglass	4004521
66	1/4" ceramic pads (8)	4006367
67	Murano glass platform - front	4005729
68	Murano glass platform - rear	4005738

	Description	Part No.
69	Decorative Glass Set	2200DGS
70	1/2" clear fireglass (4 bags)	4004521
71	Long Beach Driftwood Kit	1705DWK
72	Rear log	4002938
73	LH end log	4002965
74	LH front log	4002967
75	Center cross log	4003721
76	RH rear log	4003928
77	RH Cross log	4003929
78	Brown beach pebble	4003082
79	Grey beach pebble (2)	4003083
80	Small grey beach pebble	4003086
81	White beach pebble (2)	4003084
82	Black beach pebble (2)	4003085
83	Small beige beach pebbles (2)	4003087
84	Grade 1A vermiculite, bagged	4002940
85	Rocks & Shale Set	1714RSS
86	LH twig	4001827
87	LH twig - short (2)	40018275
88	RH twig (2)	4001828
89	Grey Rock S4-A (7)	4002338
90	Dark Grey Rock S4-A (5)	4002339
91	Grey Rock S4-B (5)	4002340
92	Dark Grey Rock S4-B (8)	4002341
93	No 7 Grey 5 Matte pitted rock	4002650
94	No 9 Grey 5 Matte rock (2)	4002652
95	No 11 Grey 3 Matte rock (2)	4002654
96	No 14 Grey 9 Gloss rock	4002657
97	No 16 Warm Grey 3 Gloss pitted rock (2)	4002659
98	No 17 Grey 5 Gloss pitted rock	4002660
99	Shale 3/4" - grey, black 0.5lb ea	4004792

	Description	Part No.
100	Split Wood Kit	1700SWK
101	Splinters grey, bagged	4005813
102	Small embers, bagged	4006134
103	Split Wood Logs	4006196
	Log #1	4006122
	Log #2	4006123
	Log #3	4006124
	Log #4	4006125
	Log #5	4006126
	Log #6	4006127
	Log #7	4006128
	Log #8	4006129
	Log #9	4006130
	Log #10	4006131
	Log #11	4006132
104	Birch Log Kit	1700BLK
	Log L1	4007371
	Log L2	4007372
	Log L3	4007373
	Log L4	4007374
	Log L5	4007375
	Log L6	4007376
	Log L8	4007378
	Log L9	4007379
	Log L12	4007382
105	Mixed grey embers, 8 cup bag	4008046
106	Splinters grey, bagged	4005813
107	GV60 Valve Repair Kit	4004544

