DANGER
HOT GLASS WILL CAUSE BURNS.
DO NOT TOUCH GLASS UNTIL COOLED.
NEVER ALLOW CHILDREN TO TOUCH GLASS.

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

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.

This manual contains instructions to install the ENGINE ONLY. A trim kit is REQUIRED to complete the installation. A barrier screen is provided with the trim kit. Refer to the manual supplied with the trim for installation.

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.

This appliance may be installed in an aftermarket 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.
This appliance is a domestic room-heating 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.
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**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 on page 70.**

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**WARRANTY PROGRAM**

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SAFETY AND YOUR FIREPLACE

Read and understand all instructions carefully before starting the installation. Failure to follow these installation instructions may result in possible fire hazard and will void the warranty.

Prior to the first firing of the fireplace, read the Owner’s information section of this manual.

Do not use this appliance if any part has been under water. Immediately, call a qualified service technician to inspect the unit and to replace any part of the control system and any gas control that has been under water.

This unit is not for use with solid fuel.

Installation and repair should be performed by a qualified service person. The appliance and venting system should be inspected before initial use and at least annually by a professional service person. More frequent cleaning may be required due to excessive lint from carpeting, bedding, etc. It is imperative that the unit’s control compartment, burner, and circulating air passageways be kept clean to provide for adequate combustion and ventilation air.

Always keep the appliance clear and free from combustible materials, gasoline, and other flammable vapors and liquids.

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 unit must be used with a vent system as described in this installation manual. No other vent system or components may be used.

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.

Inspect the external vent cap on a regular basis to make sure that no debris, plants, trees, shrubs are interfering with the air flow.

Turn off the gas before servicing this appliance. It is recommended that a qualified service technician perform an appliance check-up at the beginning of each heating season.

Do not use this heater as a temporary source of heat during construction. Due to the high temperature, 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.

This appliance is a domestic room-heating appliance. It must not be used for any other purposes such as drying clothes, etc.

Do not place furniture or any other combustible household objects within 36” of the fireplace front.

Be careful not to put any decorating objects sensitive to heat to close above or around the fireplace as it gets very hot when operating.

The glass door assembly must be in place and sealed before the unit can be placed into safe operation.

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

The glass door assembly shall only be replaced as a complete unit, as supplied by the fireplace manufacturer. No substitute material may be used.

Do not use abrasive cleaners on the glass door assembly. Do not attempt to clean the glass door when it is hot.

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.

If the barrier becomes damaged, the barrier shall be replaced with the manufacturer’s barrier for this appliance.

Any safety screen, guard or barrier removed for servicing the 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.

WARNING:

This product can potentially expose you to chemicals including Benzene which are 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
Safety and Your Fireplace

Read and carefully follow all safety warnings and operating instructions contained in your owner’s manual

Replacement manuals are available by contacting the Valor Service Department at 1-800-468-2567 or visit www.valorfiresplaces.com.

FOLLOW THESE IMPORTANT CHILD SAFETY PRECAUTIONS AND RECOMMENDATIONS

Parts of your Valor Fireplace become extremely hot while in operation.

The glass viewing window temperature can exceed 500 F at full capacity.

Momentary contact with a hot glass surface can cause a severe burn, even if the fireplace is operating at reduced heating capacity.

The glass window will remain hot for an extended period of time after the fireplace has been turned off. Ensure that children are prevented from touching the fireplace during the cool down period.

Toddlers and Young Children must be closely supervised at all times when they are in the same room as the operating fireplace. They lack full awareness of danger and rely on your protection. Toddlers, in particular, do not have the motor skills and response reflexes to withdraw in the event of accidental contact with a hot surface.

A physical barrier is strongly recommended if there are young children, or at-risk individuals in the house. Install an approved after-market safety gate to keep toddlers, young children and other at-risk individuals a safe distance from the fireplace.

Keep the remote control handset out of reach of children at all times. A wall mount storage holster is provided with your remote control handset.

Ensure that the fireplace, including the pilot light, is completely turned off when children are present and close supervision and safety barriers are not available—see page 7 of this manual.

If the fireplace is not going to be used for the summer or any extended period of time, remove the batteries from the remote control handset and remote battery box. It is recommended that batteries are replaced annually in any event—see page 19.
SAFETY AND YOUR FIREPLACE

This manual and particularly the preceding and following pages contain very important information regarding the safe operation of your fireplace as well as maintenance instructions. Read carefully before operating your fireplace and pay special attention to the safety warnings.

A heating gas appliance does require safe handling. For this reason, we very strongly recommend children are not allowed to touch the fireplace or controls. Install a screen or barrier in front of the fireplace to protect your children against severe burns.

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.

WARNING

EXTREMELY HOT!!!

• Read the safety information on pages 3 and 4 of this manual before operating your gas heater.
• Some parts of your fireplace are extremely hot, particularly the glass window.
• Do not let children touch the glass or any parts of your fireplace even after it is turned off as it is still hot.
• Use the barrier screen provided with the trim or a gate to reduce the risk of severe burns.
• Keep the remote control handset out of reach of children.
• Hot wall surfaces! The wall directly above the fireplace is very hot when the fireplace heats. It is constructed of non-combustible materials and although safe, it may reach temperatures in excess of 200º F depending on choice of trims or optional accessories. DO NOT TOUCH! We recommend installing the optional LDK HeatShift Duct Kit when hot walls are a concern.
• Hot hearth/floor surface! The hearth or floor directly in front of the fireplace is very hot when the fireplace heats. Even if constructed of non-combustible materials, and although safe, it may reach temperatures in excess of 200º F depending on choice of materials. Do not step on it!
• 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 within 36 inches (0.9 m) around the fireplace.
• Solid wood flooring in front of the fireplace (if allowed) may shrink during the heating season due to heat.
Thank You ...
For purchasing a Valor by Miles Industries. Your new radiant gas heater is a technical appliance that must be installed by a qualified dealer. Each Valor fireplace is fully tested during the production process for your safety and comfort.
Your unit has been professionally installed by:
Dealer Name: ________________________________
Phone Number: ________________________________
Should you encounter an operational problem, call your dealer immediately.
Do not try to repair the unit as you may cause an injury or damage the fireplace.

Locating Fireplace & Lighting Information Card

Do not attempt to touch the data card while the fireplace is still hot! Let the fireplace cool first before touching it.

The fireplace and lighting information card is located on a card at the right hand side of the fireplace case. It is located under the barrier screen base.

To access the card, remove the barrier screen. Grab the card and pull it out. There is important information on both sides of the card.

Performance of propane gas appliances may be affected by the quality of commercial gas supplied in your area.
Operating Your Fireplace

Fireplace Control Devices
There are two ways to control your fireplace.
1. Thermostatic Remote Control can be programmed to function automatically—see pages 8–11;
2. Wall Switch turns fire on, off and controls flame height—see page 12.

How to Turn Your Fireplace ON
Press and hold button(s) until a short beep confirms the start sequence has begun; release buttons.
Continuing beeps confirm the ignition is in process.
When the pilot is lit, the gas flows—see Using the Remote Control section for more information.

How to Turn Your Fireplace OFF (including pilot)
Press and hold the OFF button for a second (either on the handset or the wall switch).

If the flames are on, they go down and you hear the valve motor wind down. You hear a clunk and a beep indicating that the valve has received the signal from the remote control.
In the unlikely event that you cannot turn off your fireplace with the remote control handset, use the wall switch; if the wall switch malfunctions and will not turn off the fireplace, wait 8 hours and the fireplace will automatically go to pilot. You can then access the controls inside your fireplace.

Alternately, turn off gas supply. In all cases, call your dealer for service assistance.

How to Ensure Your Fireplace Cannot Be Turned ON Inadvertently

**WARNING**
RISKS OF SEVERE BURNS! SURFACES OF THE FIREPLACE ARE VERY HOT DURING OPERATION! Ensure fireplace has cooled off before accessing controls.

You can use one of the two following methods to ensure that your fireplace will not turn on when you don't want it on.

- On gas valve, turn dial from ON position to MAN position as shown. Turning dial to MAN will ensures that main burner cannot come on. The pilot will remain on if lit.
- Alternately, remove all batteries from the battery holder next to the wall switch as well as the battery from the handset.

Automatic Shut-Off (in certain conditions)
Your fireplace’s remote control is equipped with an automatic shut-off mechanism which is activated in certain conditions. See page 11 in the Using the Remote Control section for a description of this feature.
Radio Frequency
315 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.

NOTE: Before using the remote control system for the first time, the receiver and the handset must be synchronized. See the section Synchronize Remote Control.

IMPORTANT: BEFORE YOU BEGIN, please note that on this system, the settings of time, temperature and automatic ON/OFF can only be programmed when the function display is flashing. Be patient when programming as it can take a few seconds to set.

Note: In the TEMP or TIMER modes, the remote handset senses the room temperature and adjusts the flame accordingly.

To communicate, the handset should be within 15 feet (4.5 meters) of the fireplace.

Do not leave the handset on the mantel or hearth.

Turn Fireplace ON
Press \( + \) buttons until you hear a short beep; release buttons.
Beeps continue until pilot is lit.
Burner lits to maximum flame height and handset goes automatically to manual (MAN) mode.

NOTES:
On the valve, MAN button must be at ON, in full counter-clockwise position.
ON/OFF switch (if equipped) must be in I (ON) position.

Turn Fireplace OFF
Press \( \) button.
When pilot is just turned off, wait 2 minutes to light it again.

Standby Mode (Pilot Flame)
Press and hold \( \) to set fireplace to pilot.

Adjust Flames Height
With pilot lit, press and hold buttons:
\( \) = increase flame height
\( \) = decrease flame height or set to pilot

For fine adjustment, tap buttons.

Express Low and High Fire
Double-click buttons:
\( \) = increase flame to maximum height “HI”
\( \) = decrease flame minimum height “LO”

NOTE: Flame goes to high fire first before going to designated low fire.
Setting °C/24-hr or °F/12-hr clock

In MAN mode, press + buttons until temperature / clock display changes from °F / 12-hour ⊥→ °C / 24-hour

Setting Time

The time display will flash after either:
- installing the battery, or
- pressing + button

To set the time, press buttons:
= hour
= minutes
Press or wait to go back to MAN.

Modes of Operation

Briefly press SET cycles through modes of operation.

Manual Mode
Manual flame height adjustment.

Daytime Temperature Mode
When pilot is lit, room temperature is measured and compared to set temperature. Flame height automatically adjust to reach Daytime Set Temperature.

Light/Dimmer Mode
Not available on this fireplace.

Fan Mode
Turns fan ON and OFF and adjusts speed.
Note: To turn fan OFF, press until all 4 bars disappear.

Night time Setback Temperature Mode
When pilot is lit, room temperature is measured and compared to set temperature. Flame height automatically adjust to reach Night Time Setback Temperature.

Timer Mode
When pilot is lit, two periods of time (P1 and P2) can be programmed to use Daytime and Night time temperatures at specific times.
Note: Display shows set temperature every 30 seconds.

Set the different parameters when they are flashing.
**Circulating Fan Operation (if equipped)**

Circulating fan has 4 speed levels from low to high (1 to 4 bars).

Press SET to scroll to the fan level icon. Fan and level icons flash.

To set speed, press the flame buttons:
- \(\uparrow\) increases speed.
- \(\downarrow\) decreases speed and turns OFF fan when all bars disappear.

Note: 8 seconds after the fan is set, handset goes automatically in temperature control mode. Fan starts 4 minutes after gas opens (from OFF or pilot) at maximum speed then goes to displayed level after 10 seconds. Fan stops 10 minutes after gas is OFF or at pilot.

**Setting Program Timers**

You can program two periods of time between 12 am and 11:50 pm in each 24-hour cycle.

Programs P1 and P2 must be set in the following order during a 24-hour cycle: P1, P1, P2 and P2.

- \(\odot\) = Day Time temperature (high) program period
- \(\odot\) = Night Time temperature (low) program period

Default Settings:

Program 1: P1 06:00 am   P1 08:00 am
Program 2: P2 11:50 pm   P2 11:50 pm

Press SET to scroll to TIMER.

If P1 = P1 or P2 = P2, programming is cancelled.

To keep fireplace ON all night, set P2 at 11:50 am and P1 at 12:00 am.

If you want to program only one period, program P1 and P1 with desired times then P2 and P2 with the same time as P1.

**Setting high / low Temperatures**

**Setting “DAYTIME” high temperature.**

Default Settings: \(\odot\) TEMP 23 °C/74 °F

Press SET to scroll to \(\odot\) TEMP

Hold SET button until TEMP flashes.

To set Daytime Temperature:
- \(\uparrow\) = increases temperature.
- \(\downarrow\) = decreases temperature.

Press \(\bullet\) or wait to complete setting.

**Setting “NIGHT TIME SETBACK” low temperature.**

Default Settings: \(--\) TEMP “--” (OFF)

Press SET to scroll to \(--\) TEMP

Hold SET button until TEMP flashes.

To set Night Time Temperature:
- \(\uparrow\) = increases temperature.
- \(\downarrow\) = decreases temperature.

Press \(\bullet\) or wait to complete setting.

**Setting P1 \(\odot\) time - high temperature.**

Hold SET button until P1 \(\odot\) is displayed and time flashes.

To set time:
- \(\uparrow\) = hour
- \(\downarrow\) = minutes

Press \(\bullet\) or wait to complete setting.

**Setting P1 \(\odot\) time - low temperature.**

Hold SET button until P1 \(\odot\) is displayed and time flashes.

To set time:
- \(\uparrow\) = hour
- \(\downarrow\) = minutes

Press \(\bullet\) or wait to complete setting.
Using the Remote Control

Setting P2 high and low temperature times.

Repeat same steps as Setting P1.

When all settings are complete, press \( \bullet \) to save them.

**Timer Programming Example (default temperatures shown)**

<table>
<thead>
<tr>
<th>Time</th>
<th>Temp</th>
<th>P1</th>
<th>P2</th>
<th>P1</th>
<th>P2</th>
</tr>
</thead>
<tbody>
<tr>
<td>6:00 am</td>
<td>high temp</td>
<td>8:00 am</td>
<td>low temp</td>
<td>4:00 pm</td>
<td>high temp</td>
</tr>
<tr>
<td>Set temp</td>
<td>74°F</td>
<td>Set temp</td>
<td>40°F</td>
<td>Set temp</td>
<td>74°F</td>
</tr>
</tbody>
</table>

**Automatic Turn Down**

8 Hour no Motor Movement

The valve will turn to pilot flame if there is no motor movement for an 8-hour period.

**Automatic Shut-Off**

Low Batteries Receiver. With low battery power in the battery holder the system shuts off the fire completely. This does not apply when the power supply is interrupted.

On-Demand Pilot (7 Day Shut-Off). This green feature eliminates gas energy consumption during extended appliance inactivity. When the appliance is inactive for an extended period of time the system automatically extinguishes the pilot. This feature helps the consumer realize cost benefits by automatically eliminating energy consumption during non-heating months and limited use.

The programmed length of inactivity to activate the system is specified by the appliance manufacturer and cannot be altered in the field.

**Low Battery Indication**

**Caution**

DO NOT USE a screwdriver or other metallic object to remove batteries from holder. This could cause a short-circuit.

**Handset:** The battery icon \( \square \) will show when the battery needs to be replaced. Replace with one 9 V alkaline battery.

**Battery holder:** Frequent ‘beeps’ for 3 seconds when the valve motor turns indicate the batteries need to be replaced in battery holder. Replace with four 1.5 V alkaline batteries.

**Handset / Receiver Match**

The remote control handset and receiver are programmed to function together. In case of a replacement of the handset or the receiver, you will need to reset the receiver to allow them to function together. Contact your dealer for details.
Using the Wall Switch

TO TURN APPLIANCE ON and OFF
Press ON-OFF button once to light pilot. Press again to shut off pilot.

TO ADJUST FLAME HEIGHT
Press and hold large flame button to gradually increase flame height.
Press and hold small flame button to gradually decrease flame height.

Kits & Accessories

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

<table>
<thead>
<tr>
<th>Fuel Beds (choose one)—1100 only</th>
</tr>
</thead>
<tbody>
<tr>
<td>1101DWK Driftwood Kit</td>
</tr>
<tr>
<td>1103DGM Murano Glass Kit</td>
</tr>
<tr>
<td>1104DGS Decorative Glass Set</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Ceramic Liners (choose one)—1100 and 1150</th>
</tr>
</thead>
<tbody>
<tr>
<td>1110VRL Valor Red Liners</td>
</tr>
<tr>
<td>1115LSL Ledgestone Liners</td>
</tr>
<tr>
<td>1125FBL Fluted Black Liners</td>
</tr>
<tr>
<td>1160PBL Black Liners</td>
</tr>
<tr>
<td>1170RGL Reflective Glass Liners</td>
</tr>
<tr>
<td>1175HBL Herringbone Liners</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Trims (choose one)—1100 and 1150</th>
<th>Barrier Screen</th>
</tr>
</thead>
<tbody>
<tr>
<td>1130FFK Fixed Framing Kit</td>
<td>4005632</td>
</tr>
<tr>
<td>1135TSB Three-Sided Trim Black</td>
<td></td>
</tr>
<tr>
<td>1135TSBE 3-Sided Trims Edgemont</td>
<td>4004425</td>
</tr>
<tr>
<td>1140FS Four-Sided Trims</td>
<td>4005632</td>
</tr>
<tr>
<td>1140FS 2 Four-Sided Trims</td>
<td>4006326</td>
</tr>
<tr>
<td>1149EDV Edgemont Double Doors</td>
<td>in doors</td>
</tr>
<tr>
<td>1184EH Edgemont Hammered Trims</td>
<td>4005514</td>
</tr>
</tbody>
</table>

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

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</tr>
</thead>
<tbody>
<tr>
<td>1100PGK Conversion to propane gas—1100 only</td>
</tr>
<tr>
<td>1100NGK Conversion to natural gas—1100 only</td>
</tr>
<tr>
<td>1150PGK Conversion to propane gas—1150 only</td>
</tr>
<tr>
<td>1150NGK Conversion to natural gas—1150 only</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Other Accessories—1100 and 1150</th>
</tr>
</thead>
<tbody>
<tr>
<td>GV60CKO Outdoor Fireplace Conversion Kit</td>
</tr>
<tr>
<td>1105RGL Reflective Liner for 1125FBL or 1160BLS</td>
</tr>
<tr>
<td>1156CLA Co-Linear Adapter</td>
</tr>
<tr>
<td>1195CFK Circulating Fan Kit</td>
</tr>
<tr>
<td>1270RBK Remote Blower Kit</td>
</tr>
<tr>
<td>LDK LDK HeatShift Duct Kits (gravity flow)</td>
</tr>
<tr>
<td>1506DRK Decorative Rock Kit—1100 only</td>
</tr>
<tr>
<td>GV60PAK Power Kit</td>
</tr>
</tbody>
</table>

Hearth Gate
Hearth gates such as Cardinal’s VersaGates are available at retail stores carrying safety products for children.
Lighting Instructions

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 OFF (red dot) 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 of firebox.
   - ON/OFF wall switch (1) in ON position,
   - On the remote control handset, press the OFF button (red dot) and large flame button ( ) simultaneously; 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 small flame 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 of 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 flame buttons ( ) ( ) buttons on the remote control handset to adjust the flame height.

**TO TURN OFF GAS TO APPLIANCE**

1. **AUTOMATIC SHUT-OFF** (using the remote control handset):
   - Press and hold the (small flame) on the remote control handset to shut-off the main burner gas flow;
   - Press “OFF” button (red dot) on remote handset to shut-off the appliance, including pilot flame.
Servicing Your Fireplace

We recommend having your fireplace serviced every year. Contact your supplier quoting the model number. It will be helpful if the appliance’s serial number can also be quoted. These numbers are on the information card. The replacement parts are shown at the end of this manual. Please always quote the part number and description when requesting spare parts.

Annual Inspection

In order to maintain the safe operation of your fireplace, contact your dealer to have a qualified technician go over the list below and make the necessary verifications at least once every year.

Safe Operation List

To be performed by a qualified technician only

1. Inspect and operate the pressure relief mechanism to verify relief mechanisms are free from obstruction to operate. See Cleaning Your Fireplace: To refit the window section of this manual.

2. Clean glass window with a suitable fireplace glass cleaner. Abrasive cleaners must not be used. Be careful not to scratch the glass when cleaning. See Cleaning Your Fireplace section of this manual.

3. Inspect the operation of the flame safety system Pilot or Flame rectification device.

4. Inspect and ensure the lighting of the main burner occurs within 4 seconds of the main gas valve opening. Visual inspection should match that outlined in the appliance instruction manual. Inspect primary air openings for blockage. See Checking Pilot and Burner Flame section of this manual.

5. Inspect condition of vent and vent terminal for sooting or obstruction and correct if present.

6. Vacuum and clean any debris in the firebox that is not supposed to be there.

7. Test and measure the flame failure response time of the flame safety system. It must de-energize the safety shutoff in no more than 30 seconds.

8. Check all accessible gas-carrying tubes, connections, pipes and other components for leaks. See Set up Gas Supply section of this manual.
Cleaning Your Fireplace

**WARNING**

DO NOT TOUCH THE GLASS WHILE IT IS HOT!
Let the fireplace cool first before cleaning it.

Important - Glass cleaning - Mineral deposits
One of the by-products of the combustion process in a gas appliance is a mineral which can show up as a white film on the ceramic glass of the viewing door.

The composition of the deposit varies with location and time. It is believed to be associated with the varying sulfur content of the gas. You may have the problem intermittently.

We have consulted with ceramic glass manufacturers and they cannot offer a definitive solution to this problem. Dealers have tried various cleaning products with varying results. The following are recommendations only and are not meant to guarantee results.

**NOTE:** This is a problem beyond Miles Industries’ control and is not covered under warranty.

- **Clean the glass regularly as soon as you notice the buildup (white film).** If the film is left for a longer period of time, it will etch into the glass. It is then much harder, if not impossible, to remove.
- **NEVER use an abrasive cleaner or ammonia-based cleaner on the ceramic glass.** Any abrasion of the surface has the immediate effect of compromising the strength of the glass. An emulsion type cleaner is recommended.
- **Use a soft damp cloth to apply the cleaner.** Dry the glass with a soft, dry, preferably cotton cloth. Most paper towels and synthetic materials are abrasive to ceramic glass and should be avoided.
- **Our dealers have had good results from the products listed below.** We cannot, however, guarantee the results of these products.
  - Brasso, Polish Plus by Kelkem, Cook Top Clean Creme by Elco, White Off by Rutland, Turtle Wax

**Do not clean the glass while it is hot!**

Always securely replace the window and the barrier screen before lighting.

If broken, the glass pane may only be replaced as a complete window unit as supplied by the manufacturer.

If the barrier becomes damaged, the barrier shall be replaced with the manufacturer’s barrier for this appliance.

Clean the window following the guidelines in this section.

Clean the steel trims with mild soap and warm water. Any alcohol/solvent base cleaner will weaken the coating and damage it.

Clean the cast iron trims dusting with a soft brush.

Clean the barrier screens dusting with a soft brush.

Clean the firebox ceramic logs/rocks and walls dusting them with a soft brush. Dust can also be removed from the burner using a soft brush after removing the ceramic logs. **When cleaning, make sure that no particles are brushed into the slots of the burner.**

**WARNING**

CHOKING HAZARD! Ensure that the fireplace area is clear of firebed particles as these could be ingested by small children. Vacuum thoroughly around the fireplace area after cleaning.

To remove the window for cleaning:

1. Remove the barrier screen by pulling on it if magnetized or unhooking it if hooked.
2. Remove the side panels by pulling them sideways towards the center, sliding them out of their slots behind the trim face.
3. Find the levers on each side of the window towards the top. Using your finger, pull the levers towards you and unhook them from the window frame brackets.
4. Gently pull the top of the window outward.
5. Lift the window out of its bottom railing and set it aside in a safe place to avoid damage.
To refit the window:

1. Place the window in its bottom railing. **Ensure to remove any vermiculite or glass particles in the railing before installing the window.**

2. Push the top of the window frame against the firebox.

3. While you hold it, pull and hook the side levers back to the window brackets on each side.

4. Apply firm hand pressure around the window frame to ensure the window is sealed tight against the firebox.

5. 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.

6. Reinstall the side doors sliding them sideways to insert their tabs behind the front face of the trim.

**DANGER**

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

To ensure a safe operation:

- Double-check that the bottom of the window frame is correctly installed in the bottom support railing;
- Verify that the levers are hooked properly to the window tabs then;
- Pull out the top of the window and release it to insure the springs return it;
- Ensure the window is sealed before operation.

**WARNING**

Failure to install the window correctly can leak carbon monoxide, 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.
7. Reinstall the barrier screen on the trim.

**WARNING**

FOR SAFETY PURPOSE, ensure the barrier screen is re-installed on the fireplace front after maintenance.

a) **1130 & 1135 trims**: The barrier screen has tabs at the bottom which rest on the removable panel/plinth and the screen is held in place by magnets.
   i) Rest the bottom tabs on the edge of the removable panel/plinth as indicated.
   ii) Push the screen against the steel front panel.

b) **1140 trims**: The barrier screen has tabs at the bottom which rest on the edge of the trim’s front panel.
   i) Insert the screen in the channel at the top behind the trim’s front panel as indicated.
   ii) Lower the bottom of the screen in the channel between the trim’s front panel and the removable cover.

c) **1135 & 1184 Edgemont trims**: Hook the barrier screen in the four slots on the backing plate.
Checking Pilot & Burner Flames
A periodic check of the pilot and burner flames should be made. Check after the fire has been on for at least 30 minutes. The pilot flame must cover the tip of the thermocouple probe. The main burner flame pattern will vary from appliance to appliance depending on the type of installation and climatic conditions.

Correct flame appearance

The appliance area must always be kept clear and free from combustible materials, gasoline and other flammable vapors and liquids. Inspect the vent terminal outdoors regularly to make sure that snow, trees, bushes, leaves, or other objects do not obstruct it. Examine the vent system and terminal regularly. We recommend annually.

1101DWK—Driftwood
Pilot Flame can be seen under the right rear logs

1103DGM—Murano Glass
1104DGS—Decorative Glass
Pilot Flame can be seen at the back of the fire bed

1150LSK—Traditional Logs
Pilot Flame can be seen behind the cross log
Servicing & Maintenance

Replacing Batteries

**WARNING**
DO NOT ATTEMPT TO CHANGE THE BATTERIES WHILE THE FIREPLACE IS STILL HOT! Let the fireplace cool first before touching it.

**CAUTION**
DO NOT USE a screwdriver or other metallic object to remove the batteries from the receiver or the handset! This could cause a short circuit.

Low batteries signal: see page 11.
BEFORE changing the batteries, turn the fireplace off (including pilot).

The appliance uses four 1.5 V AA alkaline batteries located next to the wall switch and one 9 V alkaline battery in its handset. Batteries should last one to two seasons, depending on usage. Removing the batteries in the off-season will extend the battery life.

To replace the batteries:
The battery compartment is located next to the wall switch in the vicinity of the fireplace. Its front plate is attached with magnets to the wall switch box.

1. Pull on the plate next to the wall switch to access the batteries.
2. Disconnect the snap connector from the battery holder. Do not pull the connector by the wire!
3. Replace the batteries with 4 AA alkaline batteries orienting them as indicated inside the holder.
4. Reconnect the snap connector to the battery holder.
5. Put the battery holder back in its place beside the wall switch and snap it in place.

Using Handset Wall Holder
Your fireplace equipment includes a wall holder to store the handset. If it hasn’t be installed, refer to the instructions further on in this manual for the installation.
## Specifications

### Approval & Codes
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

<table>
<thead>
<tr>
<th>Model</th>
<th>1100JN</th>
<th>1100JP</th>
<th>1150JLN</th>
<th>1150JLP</th>
</tr>
</thead>
<tbody>
<tr>
<td>Gas</td>
<td>Natural</td>
<td>Propane</td>
<td>Natural</td>
<td>Propane</td>
</tr>
<tr>
<td>Altitude (Ft.)*</td>
<td>0-4,500 feet**</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Input Maximum (Btu/h)</td>
<td>28,000</td>
<td>28,000</td>
<td>30,000</td>
<td>30,000</td>
</tr>
<tr>
<td>Input Minimum (Btu/h)</td>
<td>13,000</td>
<td>13,000</td>
<td>16,000</td>
<td>16,000</td>
</tr>
</tbody>
</table>
| Manifold Pressure (in w.c.) | 3.5" | 9" | 4" | 9"
| Minimum Supply Pressure (in w.c.) | 5" | 11" | 5" | 11"
| Maximum Supply Pressure (in w.c.) | 10" | 14" | 10" | 14"
| Main Burner Injector Marking | 850 | 300 | 850 | 360 |
| Pilot Injector Marking | 51 | 30 | 51 | 30 |
| Min. Rate By-Pass Screw | 185 | 125 | 195 | 135 |

*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 1100JN and 1150JLN are used with natural gas.
Heater engines 1100JP and 1150JLP are used with propane gas.
The supply pressure must be between the limits shown in the Ratings section.

The supply connection is 3/8” NPT male and located on the right hand side of the firebox. A shut-off valve (not supplied) is required on the supply line to isolate the unit during service. See Supply Gas Installation section for details.

### Conversion Kits
The 1100J and 1150J are supplied as natural gas or propane gas and are field convertible between fuels. See instructions packaged with the conversion kits for further information.

### Electrical
The 1100J and 1150J are designed to run on battery power and do not require an electrical power source to operate as a heater. However, they require electrical power to operate optional 1195CFK Circulating Fan Kit, 1270RBK Remote Blower Kit or GV60PAK Power Adapter.

### LDK HeatShift Duct Kit
The 1100J and 1150J are designed to allow the installation of the optional LDK HeatShift Duct Kit, 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 sidewalls, or even to another room. The result is much cooler wall temperatures above the fireplace opening for locating televisions, artwork, etc.

Please note that the framing and mantel clearances are affected by the installation of the LDK. Refer to the installation manual packed with the kit for more information.

### Outdoor Conversion Kit
The 1100J-1150J 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.

---

**WARNING**

Optional electrical accessories ARE NOT ALLOWED when adapting appliance for outdoor 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.
Overview

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

**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.

**WARNING**

HOT WALL SURFACES! The wall directly above the fireplace is constructed of non-combustible materials and, although safe, it may reach temperatures in excess of 200°F depending on choice of trims. Do not touch. Finish the wall using materials suitable for these temperatures.
Dimensions & Location

**Dimensions**

Top View

Note: This dimension is for the 1130FFK Fixed Framing Kit. For all other trims, this is the maximum required and may be reduced if positioning the unit forward of the framing to accommodate thickness of non-combustible material over top of non-combustible board.

**Location**

Note—Required Minimum corner dimensions larger when using LDK HeatShift; see LDK manual.

**Corner Dimensions**
Mantel & Hearth Clearances

Combustible Mantel—Left Side View

Note: Use of the optional LDK HeatShift Duct Kits affects mantel and hearth clearances. See instructions packed with LDK kits.

Do not put furniture or objects within 36" (914 mm) of front of appliance.

Mantel Projection (from Face of Cement Board)

Mantel Height (from Bottom of Unit)

49"
47"
45"
43"
41"

65" Min. to Ceiling

4" minimum to combustible floor or hearth. See Hearth Requirements section of this manual.
Mantel & Hearth Clearances

Combustible Sidewall / Mantel Leg—Top View

Shading denotes allowable location for combustible mantel legs

FIREPLACE

Face of Finished Wall

Fireplace Opening 34”

Wall

Min. 8” to wall

3”

Depth | 1” | 2” | 3” | 4” | 5” | 6” or greater
---|---|---|---|---|---|---
Clearance | 3” | 4” | 5” | 6” | 7” | 8”

Note
Right Side Clearances are the same
Hearth Requirements

**WARNING**

SAFETY WARNING! The H5 is a very effective radiant heater. The hearth/floor in front of the heater can get very hot (in excess of 200°F). Locating the unit raised above the hearth/floor and using the screen front will greatly reduce hearth temperatures. Any hearth within 4 inches of the base of the heater must be constructed of non-combustible materials and utilise the insulation board supplied as a thermal break between the non-combustible hearth finish and the combustible construction below (see diagrams in the following pages). Note that some materials, although safe can degrade due to heat—take this into consideration when choosing materials.

Top of Finished Hearth Must Be Flush With Bottom of Heater to accommodate most optional mantels and trims. The 1140 Four-Sided trim extends 1-1/2" below the bottom of the appliance. See installation instructions packed with 1140 for more information.

**NOTE:** Unit will need to be raised above plywood sub-floor in most cases due to combustible hearth/floor restrictions. Any shims used underneath to raise the heater should be setback 1/2" behind front face of framing otherwise top face of shims may be visible.

When the appliance is installed directly on carpeting, tile or other combustible material other than wood flooring, the appliance shall be installed on a metal or wood panel extending the full width and depth of the appliance.
Hearth Requirements

Rules
1. A hearth is not required. However, any hearth/floor in front of fireplace within 4 inches vertically of the bottom of the unit must be non-combustible and project a minimum distance as shown on page 28. Hearth/floors within 4 inches must have a non-combustible finish applied over the 1/2 inch insulation board provided with the engine. This insulation board acts as a thermal break.
2. Minimum hearth projection is determined by a combination of the height of the hearth above the surface of combustible floor or carpet and the distance between the hearth and the bottom of the fireplace.
3. Combustible baseboards (1 inch thick or less) located on the wall are acceptable provided they are located below the base of the raised fireplace.

Unit Raised Above Combustible Hearth or Floor

Note: Any shims used underneath to raise the heater should be set-back 1/2” behind front face of framing otherwise top face of shims may be visible.

When the appliance is installed directly on carpeting, tile or other combustible material other than wood flooring, the appliance shall be installed on a metal or wood panel extending the full width and depth of the appliance.
Hearth Requirements

Unit With Site-Built Non-Combustible Hearth Extending

Example: If the fireplace is raised 2" above combustible floor, the non-combustible-flush-with-bottom-of-fireplace hearth must project a min. of 6" in front of the fireplace.

Non-combustible substrate construction detail

Note: This surface can get very hot if flush with bottom of heater. We recommend raising the heater.

Wood is allowed directly below fireplace

Note: Any shims used underneath to raise the heater should be set back 1/2" behind front face of framing otherwise top face of shims may be visible
Framing Requirements

Note: If using optional LDK HeatShift Duct Kit, refer to LDK instructions packed with kits as framing is affected.

Between underside of header and base of heater. Base of heater must be at finished hearth height. However, please note that the 1140 4-sided trim extends 1-1/2" below the base of heater. Increase cavity height accordingly.

1/2" thick non-combustible board required above engine (not supplied). See page 29.

NOTE: This unit requires a solid platform to support it. Combustible framing allowed beneath fireplace. Please note that any shims used underneath to raise the heater should be set back 1/2" behind front face of framing otherwise top face of shims may be visible.

29" between underside of non-combustible board and base of heater.

Any surface directly in front of the unit which is at a height of less than 4" from the bottom of the unit must be non-combustible.

* - Rear Vent: 16-1/2"
- Top Vent: 17-1/2"
Framing Requirements

Minimum Non-Combustible Board Dimensions
Minimum coverage area of non-combustible board. Any wall finish applied to shaded area must be non-combustible. We recommend extending the non-combustible board well beyond the size shown to avoid cracking due to differential shrinkage—see page 42.

Non-combustible board required thickness:
½ inch [13 mm]
Min. 39½” [1003 mm]
Min. 12” [305 mm]
Framing Requirements

Framing with Partial Shelf—Top Outlet

13-3/4" [349 mm]
Approx. 9-1/4" [35 mm] from back surface of wall finish to front surface of appliance case w/no vent offset

1/2" [13 mm] thick non-combustible board

Minimum 1" [25 mm] clearance to combustibles around vertical vent pipe

PARTIAL SHELF, top outlet

40" [1016 mm] to underside of combustible cavity
**Framing Requirements**

**Venting Considerations—Vertical Takeoff**

*Notes—ALL venting considerations*

- Dimensions of venting are based on using Dura-Vent elbows. Elbow curve radius dimensions will vary when using other brands. In general, other brands have slightly bigger radius.

- 3 inches clearance to combustibles required above horizontal pipe. Slope horizontal pipe upwards 1/4 inch per foot. 1 inch clearance required around sides and bottom of horizontal pipe and around vertical pipe.

- When calculating effective pipe lengths subtract approximately 1-1/2 inch for pipe joint - for example, a 12 inches pipe section will add approximately 10-1/2 inches overall.

**Venting Considerations—Horizontal Takeoff**

*Approx. 49-3/4" [1266 mm] with 12" vent pipe*

*Approx. 39-1/4" [997 mm] to underside of combustible cavity*

Min 1" [25 mm] required clearance to vertical pipe affects cavity depth

Min 1 1/2" [13 mm] beyond stand-off

40" [1016 mm] to underside of combustible cavity

Approx. 31" [787 mm] to underside of combustible cavity

Approx. 52-3/4" [1340 mm] with 12" vent pipe
**Top or Rear Outlet**
This unit is supplied with a 45 degrees top vent outlet which can be field-converted to a rear vent outlet. See *Installation* section for more information.

**Vent Material**
This unit is approved for installation using 4 x 6-5/8 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 co-linear (3 x 4 in) venting for use in solid-fuel burning fireplaces and chimneys using adapters and accessories—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**
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. Follow the installation instructions supplied with the individual venting components.

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**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 Co-axial Venting Components

Co-axial Venting

Rear Vent
- no rise, 1100 models ONLY
- 1150 models require vertical rise

Top Vent

QUALIFIED INSTALLER
How to Read the Venting Chart—1100 ONLY

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

1. Maximum 12 inch horizontal pipe section allowed with no vertical rise in vent system—1100 only.
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. Excludes the 45 degrees take-off elbow shipped with the appliance.
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 Restrictors section.

Note: The restrictors are shipped loose with the appliance.

Venting Chart

Allowable Co-Axial Vent Configurations with restrictor positions
How to Read the Venting Chart—1150
The chart below applies to co-axial roof or wall termination.
1. Minimum 24 inch rise in vent system at the unit—1150 models only.
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. Excludes the 45 degrees take-off elbow shipped with the appliance.
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 loose with the appliance.

### Venting Chart

<table>
<thead>
<tr>
<th>4 x 90° ELBOWS MAXIMUM (or equivalent)</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
</tr>
</tbody>
</table>

**Example 1**

V Value = V1 (3') + V2 (1.5') + V3 (1') = 5.5'
H Value = H1 (3') + H2 (2') = 5'
Restrictor position #1 required

---

**Allowable Co-Axial Vent Configurations with restrictor positions**

- **Position #1**
- **Position #2**
- **Position #3**
- **Position #4**

**HORIZONTAL RUN (ft)**

0 2 4 6 8 10 12 14 16 18 20

**VERTICAL RISE (ft)**

0 2 4 6 8 10 12 14 16 18 20

**NO INSTALLATION**

- 24" minimum vertical pipe rise
- 1150 models: Min. 24" rise in vertical systems
- Use 845TG vent guard with a vent terminal located at less than 7' (2.13 m) above grade
- 45° elbow take-off supplied with unit
Restrictors

The restrictors are not required when less than 1'-0" vertical rise in vent system.

Install the restrictors in the roof of the firebox behind the top liner panel. Adjust the restrictors before installation of the top liner panel. Should subsequent adjustment be required, you will need to remove the top liner panel—see page 53.

MOST INSTALLATIONS REQUIRE RESTRICTORS

for improved flame picture and performance. This unit is supplied with restrictors having four different positions or settings. The level of restriction required depends on the vertical rise in the venting system and, to a lesser degree, the horizontal run and number of elbows.

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 positions required relative to the length of the vent pipe.

To set the restrictors position:

1. Establish the required position of the restrictors looking up the venting table on the previous page.
2. Fasten the restrictors using the screws (2) already installed on each side of the firebox roof ports.
3. Slide the restrictors in the required position.
4. Tighten the screws.

Position #1

Position #2

Position #3

Position #4
Co-axial Venting

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**

<table>
<thead>
<tr>
<th>KEY</th>
<th>VENT TERMINAL LOCATIONS - MINIMUM DISTANCES</th>
<th>MINIMUM CLEARANCE</th>
</tr>
</thead>
<tbody>
<tr>
<td>A</td>
<td>Clearance above grade, verandah, porch, deck or balcony</td>
<td>Inches</td>
</tr>
<tr>
<td>B</td>
<td>Clearance to window or door that may be opened</td>
<td>12</td>
</tr>
<tr>
<td>C</td>
<td>Clearance to permanently closed window (recommended to prevent condensation on window)</td>
<td>12</td>
</tr>
<tr>
<td>D</td>
<td>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</td>
<td>18</td>
</tr>
<tr>
<td>E</td>
<td>Clearance to unventilated soffit</td>
<td>12</td>
</tr>
<tr>
<td>F</td>
<td>Clearance to outside corner</td>
<td>12</td>
</tr>
<tr>
<td>G</td>
<td>Clearance to inside corner</td>
<td>12</td>
</tr>
<tr>
<td>H</td>
<td>Horizontal clearance to center-line of meter/regulator assembly located within 15 feet (4.6 m) below the terminal</td>
<td>36</td>
</tr>
<tr>
<td>I</td>
<td>Clearance to service regulator vent outlet</td>
<td>36</td>
</tr>
<tr>
<td>J</td>
<td>Clearance to non-mechanical air supply inlet to the building or the combustion air inlet to any other appliance</td>
<td>12</td>
</tr>
<tr>
<td>K</td>
<td>Clearance to a mechanical air supply inlet</td>
<td>72</td>
</tr>
<tr>
<td>L</td>
<td>Clearance above paved sidewalk or a paved driveway located on public property <strong>Note:</strong> A vent must not terminate directly above a sidewalk or paved driveway, which is located between two single-family dwellings and serves both dwellings. <strong>THIS DOES NOT APPLY to direct vent, non-condensing appliances in the Province of Ontario.</strong></td>
<td>84</td>
</tr>
<tr>
<td>M</td>
<td>Clearance under a verandah, porch, deck or balcony <strong>Only permitted if veranda, porch, deck or balcony is fully open on a minimum of 2 sides beneath the floor</strong></td>
<td>12</td>
</tr>
</tbody>
</table>

Note: Local codes and regulations may require different clearances.
Co-axial Venting

Vertical Vent Termination

<table>
<thead>
<tr>
<th>Roof Pitch</th>
<th>Minimum &quot;H&quot; (feet)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Flat to 7/12</td>
<td>1'</td>
</tr>
<tr>
<td>Over 7/12 to 8/12</td>
<td>1.5'</td>
</tr>
<tr>
<td>Over 8/12 to 9/12</td>
<td>2'</td>
</tr>
<tr>
<td>Over 9/12 to 10/12</td>
<td>2.5'</td>
</tr>
<tr>
<td>Over 10/12 to 11/12</td>
<td>3.25'</td>
</tr>
<tr>
<td>Over 11/12 to 12/12</td>
<td>4'</td>
</tr>
<tr>
<td>Over 12/12 to 14/12</td>
<td>5'</td>
</tr>
</tbody>
</table>

Overhang should not extend beyond vent if within 48" of termination cap

Horizontal overhang

Vertical wall

Min. 24" (unvented soffit)

Min. 36" (vented soffit)

Termination cap

Min. 18"

Storm collar

Min. 18"

Overhang should not extend beyond vent if within 48" of termination cap

Co-linear Venting

Conversion to Co-Linear Liners using Valor 1156CLA Co-Linear Adapter

Co-linear portion of vent system may only be installed within a solid-fuel burning fireplace and chimney. The appliance must not be connected to a chimney flue serving a separate solid-fuel burning appliance. Requires the Valor Co-Axial to Co-Linear appliance Adapter 1156CLA, two lengths of 2-ply, one 3" and one 4" diameter flexible chimney liner approved for venting gas appliances, a co-linear termination kit and flashing or a co-linear to co-axial adapter and either a high wind vertical vent terminal cap or a low profile vertical termination.

Note: A 3" diameter exhaust liner may be used if conditions will not allow for the 4" exhaust liner. Cold start-up problems may be experienced however when using a 3" exhaust liner.

Firebox zero clearance standoffs supplied with the heater are not required for this application.

Rules for Co-Linear Venting

- Maximum 40 feet vertical pipe
- Minimum 10 feet vertical
- Maximum offset 8 feet with liners at minimum 45 degrees from horizontal plane
- Restrictor: Use #4 position for all co-linear installations—refer to page 36 for restrictor
Co-linear Venting

Dimensions with co-linear adapter
Dimensions shown are with Valor 1156 co-linear adapter.

Installation
For installation of the adapter to the appliance, see the instructions supplied with the 1156CLA.

Example of co-linear terminal configurations

Co-linear terminal kits
Installer—READ THIS FIRST

Only qualified licensed or trained personnel should install this appliance.

BEFORE YOU START—YOU NEED TO KNOW FROM THE HOMEOWNER:
1. Will the optional HeatShift System be used;
2. The height of the unit and hearth if used;
3. The thickness and type of the wall finish around the firebox opening;
4. What accessories (trim, fan, etc.) will be installed with this fireplace;
5. The venting configuration.

1. Unpack the appliance, removing all items packed inside and around the appliance.
2. Check that you have everything, using the Pack Content sheet. Also, check that you have:
   • a fuel bed (packed separately)
   • a set of liners (packed separately)
   • Remote Battery & Wall Switch Kit RBSWK
   • Venting accessories
   • HeatShift System, if used
   • Electrical accessories, if necessary
   • Gas conversion kit, if necessary
3. Carefully read the Installer’s Checklist included with the firepace fo the installation sequence.

Appliance Height in Framing

Hearth considerations
1. Only a non-combustible hearth can be installed in front of the appliance if within 4” of the bottom of the appliance.
2. The top surface of the non-combustible hearth must be at the same level as appliance bottom panel when using certain trims and accessoires—see page 48.
3. The non-combustible hearth in front of the appliance, if within 4” of the bottom of the appliance, must include the 1/2” Micore insulation board provided to be used as thermal break between non-combustible and combustible material underneath.

Appliance Depth in Framing

1. 1130 Fixed Framing Kit installs at framing stage and the appliance position is fixed in the framing. Wall finishes butt up to the frame of the 1130 Fixed Framing Kit.
2. All other trims install after the wall finish is applied. The perimeter of the trims overlap the wall finish; therefore the thickness of any wall finish materials must be taken into consideration. The trims have enough adjustability to allow up to 3/4” thick material applied over top of the 1/2” thick non-combustible board. Otherwise the appliance position within the framing must be adjusted to allow the additional thickness—see pages 48-49.
Planning Wall Finish

Non-combustible cement board
The H5 fireplace requires a 1/2" (13 mm) thick non-combustible cement board or equivalent, to be used as a wall surface immediately above the unit—see diagram for minimum coverage. Extending the cement board well beyond the minimum shown 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 although it is preferable not to change materials to help avoid cracking.

Finishing around trims
Additional non-combustible material such as tile, etc., may be applied over top of the wall surface or you may choose to leave it finished clean with no tile, etc.—see page 42.

Be aware that a trim is always required and that the wall finish thickness must be taken into account for all installations other than the Fixed Framing Kit 1130.

All the other trims, 1135, 1140, 1149 and 1184 will accept wall finish tucked under their edge up to approximately 2" thick.

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.
Cracking Wall Finishes

We recommend installing the optional HeatShift System to reduce the wall temperatures and minimize the possibility of cracking wall finishes.

If a clean finish with no tile, etc. is desired, joints in the non-combustible board and the transition to gypsum board will require special attention if future cracking is to be controlled.

Shrinkage and differential movement of the framing and non-combustible wall board can transmit cracking through to tiles, etc.

Be aware that temperatures on the non-combustible 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 for an extended period 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 mesh tape over joints.

• Always stagger joints in wall board.

• 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.
Installation

Unpack Appliance
Beware of sharp edges! Wear gloves!
1. Remove the cardboard wrapping and the wood pallet from the appliance and discard.
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 cartons);
   - trim kit with barrier screen;
   - venting components and accessories;
   - electrical components if installing optional blower.
4. The standoffs are supplied flat on the firebox sides and fixed at one end. Swivel up the flat standoffs, bend them as shown and fix the loose end to the top of the firebox.
5. Remove the heat shield from the top of the appliance case (3 screws). If using the top outlet or LDK HeatShift Duct Kit, discard the shield. If using a rear outlet, keep the shield to reinstall after converting the top to rear outlet—see next subsection.

Convert from Top to Rear Outlet (if required)
This unit is supplied with a top vent outlet which can be field-converted to a rear vent outlet. Please note that the rear outlet requires the installation of the heat shield on top of the heater case as indicated unless fitted with optional LDK HeatShift Duct Kit.
1. Remove the top outlet collar (6 screws).
2. Swivel the collar and install as a rear outlet (6 screws).
3. Reinstall the heat shield to the top of the appliance case (3 screws).

Rear outlet with required heat shield
Remove Window
The window is held in place by a spring-loaded lever on each side.

1. To remove the window, locate the levers on each side of the window towards the top. Using your finger, pull the lever towards you and unhook it from the window frame bracket.
2. Gently pull the top of the window outward.
3. Lift the window out of its bottom railing and set it aside in a safe place to avoid damage.

Section Views

Fit optional LDK HeatShift Duct Kit’s take-off collars to appliance (if used)
See installation instructions packed with the LDK kits for details.
Install Appliance for 1130 Fixed Framing Kit

Appliance Depth in Framing—with 1130 Fixed Framing Kit

- The 1130 installs to the appliance during the framing stage and the appliance’s position is fixed in the framing. Wall finishes are then applied over top of the flanges and butted up to the frame of the 1130.

1130 Fixed Framing Kit, fixed position

- side brackets supplied with appliance not required
- appliance positioning brackets supplied on appliance not required
- appliance convection gap filler brackets supplied on appliance not required
Install Appliance with 1130 Fixed Framing Kit

Part of the 1130 Fixed Framing Kit installs at the time of framing the appliance.

The side brackets provided loose with the appliance are not needed with this kit.

The 1130 Fixed Framing Kit is not compatible with any other trim or door kits.

Hearth considerations

You need to know whether there will be a hearth or not in front of the appliance and some rules must be considered:

Without hearth (up the wall)

In the case where there is no hearth, the bottom of the appliance must be raised at least 4” inches above any combustible floor in front.

With hearth

- Only a non-combustible hearth can be installed in front of the appliance if within 4” vertically of the bottom of the appliance. See Hearth Requirements section of this manual.
- The non-combustible hearth in front of the appliance, if within 4” of the bottom of the appliance, must include the 1/2” Micore insulation board provided to be used as thermal break between non-combustible and combustible material underneath.
Installation

1. Unpack the 1130 kit checking that you have all the pieces on hand.

2. On the top of the appliance’s case in front of the stand-offs, remove the positioning brackets (2 screws each).

3. At the bottom of the appliance case, install the lower panel provided with the kit, as indicated (3 nuts).

4. On the appliance, install the side panels as indicated (3 screws per side).

5. Install the upper panel as indicated (2 screws).

6. Slide the appliance into the framing and fix it to the studs on each side (6 fixing points per side).

7. Set aside the side doors, removable panel and barrier screen to install later when the appliance’s set-up and wall finish application are completed. Continue the installation of the heater as indicated in this manual.
Install Appliance for 3 and 4-Sided Trim or Doors

Appliance Depth in Framing—with 3 and 4-Sided Trims, Doors
- The 3 and 4-sided trims are adjustable to accommodate up to an additional 3/4" of tile or other over top of the 1/2" non-combustible wall board.
- The appliance’s position within the framing cavity may also be adjusted for depth in the framing to accommodate additional wall finish thickness “tucked” behind the trim.

**Installation Method 1**
- Wall finish thickness: **up to** 3/4" + 1/2" non-combustible board
- Trim’s depth on appliance can be adjusted to accommodate wall finish thickness

**Installation Method 2**
- Wall finish thickness: **more than** 3/4" + 1/2" non-combustible board
- Appliance’s depth can be adjusted in the framing to accommodate additional wall finish thickness of up to approximately 2”

**3 and 4-Sided Trims, Doors adjustable position**

**Installation**
Install Appliance for 3 or 4-Sided Trims and Fronts

The 3-sided trims 1135, 1184, 4-sided trims 1140 and double doors 1149 are fitted to the appliance once it’s installation and the wall finish application have been completed.

The side brackets provided loose with the appliance are required for those trims and fronts.

Hearth considerations

You need to know whether there will be a hearth or not in front of the appliance and some rules must be considered:

Without hearth

In the case where there is no hearth, the bottom of the appliance must be raised at least 4” inches (102 mm) above any combustible floor in front.

With hearth

• The bottom of the appliance must be installed level with the top of the hearth surface in most cases other than with the 4-sided trim which hangs 1-1/2” below the bottom of the appliance.

• Only a non-combustible hearth can be installed in front of the appliance if within 4” vertically of the bottom of the appliance.

• The non-combustible hearth in front of the appliance, if within 4” of the bottom of the appliance, must include the 1/2” Micore insulation board provided to be used as thermal break between non-combustible and combustible material underneath.
Fit Appliance to Framing

1. Install stud brackets on each side of the appliance (2 screws per bracket). Use the hole or the slot according to the thickness of the wall finish—see page 48.

2. Taking great care not to cut your hands on the sheet metal edges, lift the appliance out of its packing base and place it in the framing. Make sure that the unit is at the right height with consideration to the height of the hearth or combustible flooring.

When setting the position of appliance within framing, the front surface of the positioning bracket indicated should always be flush with where you anticipate the finished wall surface to be. Adjust the position of the side brackets to suit. If in doubt, allow for slightly less material thickness as the trims have additional 3/4" of adjustment.

Complete Installation of optional LDK HeatShift Duct Kit (if used)

See installation instructions packed with the LDK kits for details.
Install Electrical Wiring (if necessary)
(for optional fan or power adapter kit)
This section provides information to install the electric pre-wiring required for use with the 1195CFK Circulating Fan Kit or GV60PAK Power Adapter Kit.

All wiring must be done by a qualified electrician 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.

Electrical Requirements
1195CFK—120 V, 60 Hz, less than 1 amp

General Requirements
The optional 1195CFK kit includes a three-prong grounded plug to plug into a grounded receptacle, also included with the kit, to be installed within the fireplace enclosure by a qualified electrician.

Installation
Thread the power supply cable through the cable clamp (not provided) and through the hole in the lower left hand side of the fireplace casing. Do not tighten the clamp yet. There is a junction box and receptacle included as part of the 1195CFK fan kit. Refer to installation instructions packed with kit. A speed control is also packed with the kit.

If simply roughing in power at this point, ensure wiring is not live or terminate at this location in a temporary metal junction box using wire nuts to cap wires.
**Connect Gas Supply**

The gas supply inlet connection is a 3/8" NPT male connector located on the right hand side of the firebox.

The unit is supplied with a stainless steel flex line to allow the appliance to be disconnected for service. An individual shut-off valve (not supplied) is required on the supply line ahead of the flex connector.

Use only new black iron or steel pipes 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.

**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* of this manual—page 20.

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.

**Never use an open flame to check for leaks. Correct any leak detected 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* of this manual on page 20. The pressure check should be made with the burner alight and at its highest setting. See *Lighting Instructions* section for full operating details on page 13.
Install Liners

The following guidelines apply for all liners with the exception of the 1170RGL Reflective Glass Liners—see installation manual supplied with liners.

1. Inside the firebox, on the top of each side, release the screw of the side panel anchors if necessary so they can rotate freely (one per side).

2. Insert the bottom of one of the side liner panel between the burner and the side wall and rotate it slightly to insert it totally inside the firebox. Push it gently against the side wall. Rotate the side panel anchor to hold the panel in place.

3. Place the rear panel against the back of the firebox behind the rail retainers at bottom and behind the side panel already installed.

4. Insert the bottom of the other side liner panel between the burner and the side wall and rotate it slightly to insert it totally inside the firebox. Push it gently against the side wall. Rotate the side panel anchor to hold the panel in place.

5. Insert the top panel, beveled edge towards the back of the firebox, on top of one side panel, slide it across to rest on both side panels and rear panel.

Note: If you are installing the optional 1105RGL—Reflective Glass liner panel (with 1125FBL—Fluted Black Liners or 1160PBL—Black Liners), place the reflective panel, smooth side visible, in front of the rear ceramic panel, held in place as well by the bottom rail retainers.
Install Driftwood Kit 1101DWK (1100 models)

Material required
- Long Beach Driftwood Kit, which contains:
  - 3 logs
  - 5 pebbles
  - 1 x 1.5 lb bag of 3/4" grey/black shale
- Gloves, if desired

Installation

Logs
Carefully unpack the kit.
Each log has pegs to help you locate them on the ceramic burner platform. Install the logs as shown below.

1. Place the left log on the left side of the ceramic burner inserting the two pegs of the log in the holes of the burner. NOTE: There are two holes for the front peg of this log depending which type of gas is used for the appliance.

   Natural gas fire:
   Place the log’s pegs in the holes closest to the center of the firebox for natural gas fire. The log covers both holes.

   Propane gas fire:
   Place the log’s front peg in the hole closest to the left side wall for propane gas fires.

2. Place the right log on the right side of the ceramic burner inserting the two pegs of the log in the holes of the burner. The rear end of the log rests on the pilot shield. NOTE: There are two sets of holes for this log depending which type of gas is used for the appliance.

   Natural gas fire:
   Place the log’s pegs in the holes closest to the center of the firebox for natural gas fire.

   Propane gas fire:
   Place the log’s pegs in the holes closest to the right side wall for propane gas fires.

3. Place the center log inserting its front end peg in the hole in the front of the burner and resting its rear end in the slight depression on top of the left log.
4. Carefully spread shale in the cavity of the ceramic burner. You can also add some shale on the edge outside of the burner plate cavity.

**NOTE:** Ensure the area within the pilot shield is clear of shale pieces.

**Pebbles**

Place the pebbles on the platform as shown below.
Install Decorative Glass Murano 1103DGM (1100 models)

Material required
- Decorative Glass Murano kit, which contains:
  - 1 glass platform
  - 2 platform retainers
  - 1 glass square
  - 1 pilot cover
  - 1 bag of clear 1/2" fireglass
- Gloves (recommended to manipulate glass)

Installation
Carefully unpack the kit. Wear gloves to handle the fireglass.

1. Install the platform retainers as indicated.
2. Place the pilot cover on the ceramic burner over the pilot shield. The lip on the top surface goes to the front.
3. Install the glass platform on top of the retainers.
4. Carefully spread the glass on top of the burner within the platform opening.
5. Install the glass square pad on top of the pilot shield. 
   **NOTE:** Ensure the area within the pilot shield is clear of glass particles.

**IMPORTANT:** Use only the fireglass approved for your Valor fireplace or the fireglass brands American Fireglass™ or firegear. Use of other fireglass or crushed glass can damage your fireplace and void the warranty.

**WARNING**

**CHOKING HAZARD!** Ensure that the fireplace area is clear fireglass particles as these could be ingested by small children. Vacuum area after installation.
Install Decorative Glass Set 1104DGS
(1100 models)

Material required
• Decorative Glass Set, which contains:
  • 1 metal tray
  • 1 pilot cover
  • 3 bags of clear 1/2” fireglass
  • Gloves (recommended to manipulate glass)

Installation
Carefully unpack the kit. Wear gloves to handle the fireglass.
1. Install the metal tray over the ceramic burner.
2. Remove the existing pilot shield (2 screws).
3. Place the pilot cover on top of the metal tray spanning over the pilot cut-out.
4. Carefully fill the metal tray with fireglass, leveling it with the top of the tray’s flange.

NOTE: Ensure the pilot area is clear of glass particles.

WARNING
CHOKING HAZARD! Ensure that the fireplace area is clear fireglass particles as these could be ingested by small children. Vacuum area after installation.
Install Traditional Logs (1150 models)

Material required
- Log set included with the appliance, which contains:
  - 8 logs
  - Gloves, if desired

Installation
Unpack the ceramic logs very carefully to avoid damaging them. Each log has keys to help you locate them on the ceramic burner platform. Install the logs as shown below. Please note that the position of the logs is critical to insure proper performance of the appliance.

1. Place the rear log with its middle part in the notch of the ceramic base. At each end, there is a ridge against which the log rests. The top of the log will be slightly angled forward.

2. Place the left-hand middle log in front of the rear log locating it over the key in the ember bed as indicated. The flat part of the log sits on the platform. The key notch is at the back of the log.

Note: This gap between the rear log and the ceramic burner is critical for proper rear flame appearance. Closing this gap generally produces a taller rear flame while opening up this gap can help eliminate tall stringy flames hitting the roof panel.

As the vent height affects the rear flame appearance, this gap should be adjusted slightly depending on vent configuration. Rotating the rear log slightly will affect the gap.

For vent configurations with less than 48” rise, the gap should be approximately 1/4” and longer vertical vents should have very little gap if any.

The rear flame appearance can be evaluated soon after the unit is lit but keep in mind the flame will grow somewhat and become much more yellow as the unit warms up. A darkened room also helps when evaluating the flame appearance early on.
3. Place the right-hand middle log locating its notch on the key in the ember bed as indicated.

4. Place the left-hand base log on the platform locating it on the key as indicated.

5. Place the center base log locating its notch on the key in the ember bed as indicated.

6. Place the right-hand base log locating its notch on the key in the ember bed as indicated.
Installation

7. Place the left-hand cross log locating its notch on the key on the top of the rear log as indicated. Rest the front end of the log on top of the left base log as indicated.

8. Place the right-hand cross log locating its notch on the key on the top of the rear log as indicated. Rest the front end of the log against the key on top of the center base log as indicated.
Installation

Refit and Check Window

1. Place the window in its bottom railing. **Ensure to remove any vermiculite or glass particles in the railing before installing the window.**

2. Push the top of the window frame against the firebox.

3. While you hold it, pull and hook the side levers back to the window brackets on each side.

4. Apply firm hand pressure around the window frame to ensure the window is sealed tight against the firebox.

5. 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.

**WARNING**

Failure to install the window correctly can leak carbon monoxide, 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.

**DANGER**

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

To ensure a safe operation:
- Double-check that the bottom of the window frame is correctly installed in the bottom support railing;
- Verify that the levers are hooked properly to the window tabs then;
- Pull out the top of the window and release it to insure the springs return it;
- Ensure the window is sealed before operation.
Installation

Install Remote Battery and Wall Switch Kit RBWSK (required)
The Remote Battery and Wall Switch Kit is provided with this appliance. It is connected to the receiver in the fireplace.

Material required
- 4 AA 1.5V alkaline batteries supplied with the engine
- Remote Battery and Wall Switch Kit, which contains:
  - 1 Wall Switch
  - 4 Long Screws
  - 1 Battery Holder
  - 1 Plate with magnets
  - 1 Battery Cover assembly
  - 1 Harness assembly - 35 ft
  - 1 Junction Box
  - 1 Cover plate and Screws
  - 1 Cable tie

Installation
The receiver is located on the left side of the appliance, left of the control valve behind the appliance's front panel. It is maintained in position with Velcro bands.

1. Pull out the receiver from its location to connect the battery holder and wall switch.
2. Feed the 'white connector end' of the harness assembly through side holes in fireplace liner body to receiver. Ensure sufficient harness length to allow for removal of receiver. Note - coil up any extra harness at fireplace end.
3. Connect switch to auxillary 5-pin junction and power connection to jack.
4. Run harness assembly to mounted position of junction box, securing harness to framing using insulated staples (not included)
5. Feed harness assembly through a restrain on rear of junction box, feeding through until harness sheath is pinched by retainer and providing sufficient length to make connection to rear of switch and battery holder.
6. Secure junction box to the mounting surface using appropriate fasteners (not included)
7. Align molex connection on switch cable of harness assembly and connect to switch.

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

8. Mount switch plate to junction box with 2 long screws provided. Note: switch position left or right to suit homeowner wishes.

9. Locate and secure magnet plate using 2 ‘long’ screws provided.

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

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

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

13. Make the snap connection, load 4 AA alkaline batteries into holder (included with fireplace) then feed back into 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 page 12.
Initialize Remote Control

The receiver and the handset of the remote control system must be initially synchronized before the first use.

1. Insert one 9 V alkaline battery in the handset.
2. Locate the Reset button on the top side of the receiver.
3. With a sharp object, press and hold the receiver’s reset button until you hear one short and one long beeps. Release the reset button after the second beep.
4. Within the subsequent 20 seconds, press the (small flame button (🔥) on the remote handset until you hear two short beeps confirming the synchronization is set.

This is a one time setting only and is not required when changing the batteries in the remote battery holder. The remote control system is now ready to use.
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 on pages 8–11.

Adjust Aeration if needed
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 the 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, panels 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 on logs or roof panel and dropping into the firebox.

Air Shutter
The air shutter is located under the ceramic fuel bed at the back. To access the air shutter, very carefully remove the ceramic fuel bed.

1. Remove the screw fixing the rear of the burner to the manifold bracket as indicated.

2. Grab the burner and gently pull up the rear first while pushing back and unhooking the front tabs from their retaining lances. Be careful not to hook the pilot hood as you pull the burner up.

3. Loosen the air shutter screws, adjust and re-tighten.

4. To reinstall the burner, fit the burner in the firebox inserting the front tabs first in the lances.

Note: Ensure that the front of the burner is well hooked when re-installing! Again, be careful not to hook the pilot hood when fitting the burner over the pilot.

5. Fix the burner to the manifold bracket at the rear with screw.
Install Trim and Barrier Screen
Install the trim chosen by the customer for their fireplace. Install as well the barrier screen which is provided with the trim.
Show the customer how to remove the barrier screen to access the controls.
Follow the instructions provided with the trim and leave those instructions behind for the customer’s further reference.

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. See the diagram below for required hardware and configurations. Note that the holder can be installed at the base of a light switch plate.
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.
Wiring Diagram

GV60 Wiring Diagram
## Approved Venting Components

<table>
<thead>
<tr>
<th>Venting Parts Description</th>
<th>DURA-VENT</th>
<th>SELKIRK</th>
<th>ICC/EXCEL DIRECT</th>
<th>SECURE VENT</th>
<th>RLH INDUSTRIES</th>
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Note: 2-ply liner approved to CAN/ULC S635 suitable for venting gas appliances. As manufactured by Z-Flex, Flexmasters or others.
## Approved Venting Components

### Venting Parts Code / availability by Manufacturer

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<th>SELKIRK</th>
<th>ICC EXCEL</th>
<th>DIRECT</th>
<th>SECURE VENT</th>
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### Various Venting System Parts

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### Notes:
1. Follow instructions supplied with each manufacturer’s components.
2. Unless otherwise specified, all the parts and assemblies from the above table are to be used with 4” x 6-5/8" pipes.
3. Do not mix components from different vent manufacturers.
4. 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.
5. Miles Industries Valor Co-linear adapter 1156CLA cannot be used with models 1600. Use only with models 1100, 1150, 1400, 1500 and 1700.
6. Only Miles Industries Valor Co-linear adapter 1156CLA can be used with models 1700.
7. The DVA5BV DV to BV adapter can ONLY be installed on the 1100/1150 models.
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 an 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 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.
Warranty

1. Extended Warranty Coverage
For a period of up to ten (10) years, Miles Industries Ltd., (the “Company”) or its appointed distributor will at its option pay the initial owner for the repair of, or will exchange the following parts or components which are found to be defective in material or workmanship under normal conditions of use and service:

2. Two-Year Parts Warranty
In addition, for two (2) years from the date of purchase, the Company, at its option, can repair or exchange all parts and components not listed above but that are found to have a *bona fide* defect in material or workmanship under normal conditions of use.

3. Conditions and Limitations
a) The warranty registration card must be completed by the initial owner and returned to the Company within 90 days of purchase. Alternatively, the warranty registration form may be filled out online at www.valorfireplaces.com.
b) Installation and maintenance must be performed by an authorized and trained dealer in accordance with the Company’s installation instructions.
c) This warranty is void where installation of the unit does not conform to all applicable codes including national and local gas appliance installation codes and building and fire codes.
d) The owner must comply with all operating instructions.
e) The Company is not responsible for the labor costs to remove defective parts or re-install repaired or replacement parts.
f) The initial owner of the unit will be responsible for any shipping charges for replacement parts as well as travel time incurred by the dealer to perform the warranty work.
g) This warranty applies to non-commercial use and service and is void if it is apparent that there is abuse, misuse, alteration, improper installation, accident or lack of maintenance to the unit.
h) This warranty does not cover damage to the unit due to:
   i) Improper installation, operational or environmental conditions.
   ii) Inadequate ventilation in the area or competition for air from other household equipment or appliances.
   iii) Chemicals, dampness, condensation, or sulphur in the fuel supply lines which exceeds industry standards.
i) This warranty does not cover glass, log breakage or damage to the unit while in transit.
j) The Company does not allow anyone to extend, alter or modify this warranty and assumes no responsibility for direct, indirect or consequential damages caused by the unit. State or provincial laws where the first purchaser or user resides may provide specific rights to extend this warranty and, if so, the Company’s sole obligation under this warranty is to provide labor and/or materials in accordance with those laws.

4. Discharge of Liability
After two (2) years from the date of purchase, the Company may, at its option, fully discharge all obligations under this warranty by paying to the first owner the wholesale price of any defective parts.

5. No Other Warranty
All obligations to repair this unit are defined in this warranty. Some states or provinces may specifically mandate additional warranties on the part of manufacturers, but in the absence of such specific legislation, there is no other warranty or obligation expressed or implied.
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<td>Pilot cover</td>
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<tr>
<td>1/2&quot; clear fireglass</td>
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<tr>
<td>Decorative Glass Set - 1100</td>
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<td>Tray for fireglass</td>
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<td>Pilot cover</td>
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<td>1/2&quot; clear fireglass (3)</td>
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<td>Reflective Glass Liner - 1100</td>
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<td>Liner panels - complete sets</td>
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<tr>
<td>Valor Red Brick Liners</td>
<td>1110VRL</td>
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<tr>
<td>Ledgestone Liner Set</td>
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<td>1125FBL</td>
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<td>Glass Liner Set</td>
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<td>Rear spacers (2)</td>
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<td>Side anchors (2)</td>
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<td>Side spacers (8)</td>
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<tr>
<td>Remote battery &amp; Wall switch kit</td>
<td>RBWSK</td>
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<td>Junction box</td>
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<td>Cover plate &amp; 4 screws</td>
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<tr>
<td>Battery holder</td>
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<td>Cable tie</td>
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<tr>
<td>Harness assembly</td>
<td>4005523</td>
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<td>Plate with magnets</td>
<td>4005391</td>
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<td>Long screws (4)</td>
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<td>Wall switch with 2 screws</td>
<td>4005522</td>
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<tr>
<td>Battery cover assembly</td>
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<td>1/2&quot; Micore 300 insulation board</td>
<td>4001489</td>
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<td>GV60 Valve Repair Kit</td>
<td>4004544</td>
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Thank You ...

For purchasing a Valor by Miles Industries. Your new radiant gas heater is a technical appliance that must be installed by a qualified installer.

*Please fill in the information below. The information provided will be used for customer records only.*

<table>
<thead>
<tr>
<th>Fireplace Information</th>
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<tr>
<td>Model Number: 1100 [ ] JN or [ ] JP / 1150 [ ] JLN or [ ] JLP / [ ] INSTALLED OUTDOOR</td>
</tr>
<tr>
<td>Serial Number:</td>
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<tr>
<td>Date Purchase (yyyy-mm-dd):</td>
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<td>Dealer:</td>
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<tr>
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<tbody>
<tr>
<td>First Name:</td>
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<td>Postal/Zip Code:</td>
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<tr>
<td>Country:</td>
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Cut out page, fill information, and mail to Miles Industries Ltd.

**Online Warranty registration at** www.valorfireplaces.com
Thank you for choosing a Valor Product

Miles Industries Ltd.
190 - 2255 Dollarton Highway
North Vancouver, BC   V7H 3B1
Canada

Online Warranty registration at www.valorfiresplaces.com