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.
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.

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

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.

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.valorfireplaces.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 8 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 22.
SAFETY AND YOUR FIREPLACE

This manual and particularly the preceeding 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. **Do not touch!**
- **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.**

![Diagram of fireplace and hearth]
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.

Information About Your Fireplace

WARNING

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 behind the front panel of the appliance, below the window. To access the card, the barrier screen and the base plate on which it sits must be removed.

1. The screens are held to the fireplace by magnets. Remove the screens: starting with the front screen, pull out the top then lift away.

2. Lift the bottom plate up to free the magnets underneath then pull it straight out.

3. The card is located at the right hand side below the window. Grab the card and pull it out. There is important information on both sides of the card.

The data card is located behind the front panel below the window at the right-hand side.

Performance of propane gas appliances may be affected by the quality of commercial gas supplied in your area.
4. Reinstall the base plate:
   a) Place the base plate on the fireplace's flange and while holding it at an upward angle, butt it to the vertical side plates on each side of the window.
   b) Push the plate down ensuring that the magnets underneath the plate slide behind the fireplace's front panel.

5. Reinstall the barrier screen:
   a) Starting with the side screens, place each screen, magnets inboard, against the ridge of the base plate; push the top of the screen against the ridge of the top plate.
   b) Place the front screen, magnets inboard, against the ridge of the base plate; push the top of the screen against the ridge of the top plate. The front screen frame overlaps the side screens’.

First Operation
When operating your new fireplace for the first time, some vapors may be released due to the burning of curing compounds used in the manufacture of the appliance. They may cause a slight odor and could cause the flames to be the full height of the firebox, or even slightly higher, for the first few hours of operation. It is also possible that these vapors could set off any smoke detection alarms in the immediate vicinity. These vapors are quite normal on new appliances. We recommend opening a window to vent the room. After a few hours use, the vapors will have disappeared and the flames will be at their normal height.

Flame Supervision Device
For your safety, this appliance is fitted with a flame supervision device which will shut-off the gas supply if, for any reason, the pilot flame goes out. This device incorporates a fixed probe, which senses the heat from the pilot flame. If the probe is cool, the device will prevent any gas flow unless manually lighting the pilot. See full lighting instructions on page 16 of this manual.

WARNING
FOR SAFETY PURPOSE, ensure the barrier screen is re-installed on the fireplace after maintenance.
Fireplace Control Devices
There are two ways to control your fireplace.
1. Thermostatic Remote Control;
2. Wall Switch.

The Thermostatic Remote Control can be programmed to function automatically—see pages 9–14.

The Wall Switch can be used to turn on, off and to increase or decrease the flame height—see page 15.

How to Turn Your Fireplace OFF (including pilot)
Familiarize yourself with each of these methods before operating your fireplace.
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 installed); if the wall switch malfunctions and will not turn off the fireplace, wait 6 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
First, ensure your fireplace is turned off—including the pilot—and cold BEFORE going ahead.

WARNING
RISKS OF SEVERE BURNS! SURFACES OF THE FIREPLACE ARE VERY HOT DURING OPERATION! Be very careful and wear gloves to access controls.

Turn off gas supply to the fireplace. Access the gas shut-off valve by removing the barrier screens and the bottom black plate. The shut-off valve is located behind the front panel on the left of the gas valve as indicated.

Turn the shut-off valve from the ON position (handle parallel) to the OFF position (handle perpendicular) as shown. This will cut off the gas supply to the fireplace and will ensure that the main burner can not come on.

NOTE: Ensure shut-off valve is turned back to ON position (handle parallel) before operating the fireplace.

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 14 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 in this manual.

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.

TO TURN ON APPLIANCE

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

On the valve, turn MAN knob on the ON, full counterclockwise position.
Place ON/OFF switch (if equipped) in I (ON position).

Simultaneously press the OFF and button (large flame) buttons until a short beep confirms the start sequence has begun; release buttons. Continuing beeps confirm the ignition is in process.
Once pilot ignition is confirmed, there is main gas flow.

After main burner ignition the handset will automatically go into manual (MAN) control mode.

TO TURN OFF APPLIANCE

Press OFF button.

When the pilot is off, it will take 2 minutes before it can be lit again.

STANDBY MODE (Pilot Flame)
Press and hold button (small flame) to set appliance at pilot flame.

FLAME HEIGHT ADJUSTMENT

In standby mode: Press and hold button (large flame) button to increase flame height.
Using the Remote Control

Press and hold (small flame) button to decrease flame height or to set the appliance at pilot flame. For fine adjustment tap the (large flame) or (small flame) buttons.

Express Low and High Fire
Double-click (small flame) button. “LO” will be displayed.
NOTE: Flame goes to high fire first before going to designated low fire.

Double-click (large flame) button. Flame automatically goes to high fire. “HI” will be displayed.

Setting °C/24-HR or °F/12-HR Clock
In MAN mode, press OFF and (small flame) buttons until display changes from Fahrenheit/12-hour clock to Celsius/24-hour clock and vice versa.

Setting the Time
The time display will flash after either:
• Installing the battery or
• Simultaneously pressing the (large flame) and (small flame) buttons.
Press (large flame) button to set the hour.
Press (small flame) button to set the minute.
Press OFF or simply wait to return to MAN mode.

Modes of Operation
Briefly pressing the SET button changes the mode of operation in the following order:

MAN → MAN

TEMP → TEMP

and back to MAN.

NOTE: Manual mode can also be reached by pressing either the (large flame) or the (small flame) buttons.


TEMP - Daytime Temperature Mode (Appliance must be in standby mode; pilot ignited) - The room temperature is measured and compared to the set temperature. The flame height is then automatically adjusted to achieve the Daytime Set Temperature.

! - Light/Dimmer Setting Mode
Turns light/dimmer ON and OFF and adjust brightness.

Fan Mode
Not available on this fireplace.
**TEMP** - Nighttime Setback

**Temperature Mode** (Appliance must be in standby mode; pilot ignited) - The room temperature is measured and compared to the Nighttime Setback temperature. The flame height is then automatically adjusted to achieve the Nighttime Setback Temperature.

**TIMER** - Timer Mode (Appliance must be in standby mode; pilot ignited) - The timers P1 and P2 (Program 1, Program 2) each can be programmed to go ON and OFF at specific times. For instructions see Timer Programming Mode.

**NOTE:** The display shows the set temperature every 30 seconds.

---

**LIGHT/DIMMER OPERATION (FIREBOX TOP)**

**皤** - Light/Dimmer

Briefly press SET button to scroll to (light bulb) mode. Light bulb icon flashes.

Press and hold (large flame) button to turn ON the light or increase brightness.

Press and hold (small flame) button to decrease brightness.

In the Light/Dimmer mode, the OFF button shuts off the light.

If you want the light ON but no flame, press and hold the (small flame) button and turn to Pilot flame.

**NOTE:** The light bulb icon is displayed during light/dimmer setting only. 8 seconds after the light/dimmer has been set, the handset will automatically go into temperature control mode.

---

**Tip**

Set the different parameters when they are flashing.
USING THE REMOTE CONTROL

SETTING THE ON / OFF TEMPERATURES

SETTING THE “DAYTIME” TEMPERATURE

Default Settings: ☀TEMP (sun), 23°C / 74°F

Briefly press SET button to scroll to TEMP ☀TEMP (sun) mode. Hold the SET button until the TEMP flashes.

Press 🌞 (large flame) button to increase the ☀ Daytime Set Temperature.

Press ☀ (small flame) button to decrease ☀ Daytime Set Temperature.

Press OFF or simply wait to complete programming.

SETTING THE “NIGHTTIME SETBACK” TEMPERATURE

Default Settings: ☽TEMP (moon), “--” (OFF)

Briefly press SET button to scroll to TEMP ☽TEMP (moon) mode. Hold the SET button until the TEMP flashes.

Press ☽ (large flame) button to increase ☽ Nighttime Setback Temperature.

Press ☽ (small flame) button to decrease ☽ Nighttime Setback Temperature.

Press OFF or simply wait to complete programming.
USING THE REMOTE CONTROL

SETTING PROGRAM TIMERS

You can program two periods of time between 12:00 am and 11:50 pm in each 24-hour cycle. The Programs P1 and P2 must be set in the following order during a 24-hour cycle: P1 \( \bullet \), P1 \( \bigcirc \), P2 \( \bullet \), and P2 \( \bigcirc \).

The icon \( \bullet \) indicates the beginning of the period (ON) and the icon \( \bigcirc \) indicates the end of the period (OFF).

If P1 \( \bullet \) = P1 \( \bigcirc \) or P2 \( \bullet \) = P2 \( \bigcirc \), the programming is cancelled.

To keep the fireplace ON all night, set P2 \( \bigcirc \) at 11:50 am and P1 \( \bigcirc \) at 12:00 am.

**Default settings:**

Program 1: P1 \( \bullet \) 6:00 am  P1 \( \bigcirc \) 8:00 am
Program 2: P2 \( \bullet \) 11:50 pm  P2 \( \bigcirc \) 11:50 pm

Briefly press SET button to scroll to TIMER mode.

**SETTING P1 ON TIME**

Hold the SET button until P1 \( \bullet \) (sun) is displayed and the time flashes.

Press \( \bigcirc \) (large flame) button to set the hour.

Press \( \bullet \) (small flame) button to set the minutes.

**SETTING P1 OFF TIME**

Briefly press SET button to scroll to TIMER P1 \( \bigcirc \) (moon) while the time flashes.

Press \( \bigcirc \) (large flame) button to set the hour.

Press \( \bullet \) (small flame) button to set the minutes.

**SETTING P2 ON TIME**

Briefly press SET to scroll to TIMER mode P2 \( \bullet \) (sun) while the time flashes.

Follow the instructions given to set P1 ON time.

**SETTING P2 OFF TIME**

Briefly press SET to scroll to TIMER mode P2 \( \bigcirc \) (moon) while the time flashes.

Follow the instructions given to set P1 OFF time.

Press OFF button to save these settings. The timers are programmed. See the diagram on programming sequences on the following page.

**Tip**

If you want to program only one period, program P1 \( \bullet \) and P1 \( \bigcirc \) with desired times and program P2 \( \bullet \) and P2 \( \bigcirc \) with the same time as P1 \( \bigcirc \).
USING THE REMOTE CONTROL

Timer Programming Example (default temperatures shown)

<table>
<thead>
<tr>
<th>Time</th>
<th>Start time</th>
<th>End time</th>
</tr>
</thead>
<tbody>
<tr>
<td>6:00 a.m.</td>
<td>P1 $\bullet$</td>
<td>P1 $\bullet$</td>
</tr>
<tr>
<td>8:00 a.m.</td>
<td>P1 $\bullet$</td>
<td>P1 $\bullet$</td>
</tr>
<tr>
<td>4:00 p.m.</td>
<td>P2 $\bullet$</td>
<td>P2 $\bullet$</td>
</tr>
<tr>
<td>10:00 p.m.</td>
<td>P2 $\bullet$</td>
<td>P2 $\bullet$</td>
</tr>
<tr>
<td>6:00 a.m.</td>
<td>P1 $\bullet$</td>
<td>P1 $\bullet$</td>
</tr>
</tbody>
</table>

Set temp $\bullet$ 74°F Set temp $\bullet$ 40°F Set temp $\bullet$ 74°F Set temp $\bullet$ 40°F

AUTOMATIC TURN DOWN

6 Hour no Motor Movement

Manual Mode/Temperature/Timer Mode: The valve will turn to pilot flame if there is no change in flame height for a 6 hour period. In Temperature/Timer Mode if the ambient room temperature changes, the flame height will adjust automatically to maintain set temperature, and the fire will continue to function normally. The valve will turn to pilot flame if the set temperature and the ambient room temperature remain the same over a 6 hour period.

AUTOMATIC SHUT OFF

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

On-Demand Pilot. This green feature eliminates gas energy consumption during extended appliance inactivity. When the appliance is inactive for 5 days 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.

LOW BATTERY INDICATION

CAUTION

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

Remote handset: The battery icon $\mathcal{H}$ will show when the battery needs to be replaced. Replace with one 9 V alkaline battery.

Remote battery holder: Frequent ‘beeps’ for 3 seconds when the valve motor turns indicate the batteries need to be replaced. 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

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

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

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.

- 4006887 LX2 Barrier Screen—Front panel
- 4006888 LX2 Barrier Screen—Side panels (both)

Fuel Beds (choose one)
- 1705DWK Driftwood Set Kit
- 2200DGM Murano Glass Set
- 2200DGS Decorative Glass Set
- 1700SWK Splitwood Kit
- 1700RSS Rocks & Shale Set

Liners + Liner End Panel (choose one)
- 2200FBL Fluted Black Liner Set
- 2200RGL Reflective Glass Liner Set
- 2200LML Limestone Liners

LDK HeatShift (choose one)
- LDK1 Quad Plenum 48"
- LDK3 Double Plenum 14" (2) with Grille
- LDK4 Quad Plenum 38"
- LDK7 Duct Termination Plates (for valance outlet)

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

Conversion Kits
- 2200NGK Conversion to natural gas
- 2200PGK Conversion to propane gas

Other Accessories
- LDK2 48" Finishing Frame for LDK1
- LDK5 38" Finishing Frame for LDK4
- LDK6 5" dia Aluminum 2-ply Flex Kit—2 x 10’—0” lengths, may be cut to required length
- 2200ULK Underbed Lighting Kit (for 2200DGS)
- 1270RBK Remote Blower Kit

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, REMOTE CONTROL, OR WALL SWITCH. 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 gases 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.

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 at left hand side.
   • 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 firebox at left hand side.
   • 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 ( ) on the remote control handset to adjust the flame height.

TO TURN OFF GAS TO APPLIANCE

AUTOMATIC SHUT-OFF (using the remote control handset):
• Press and hold the small flame button () 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.

**WARNING**

CHOKING HAZARD!
Ensure that the fireplace area is clear of fireglass, vermiculite or other media particles as these could be ingested by small children. Vacuum thoroughly around the fireplace area after cleaning.

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 panes following the guidelines in this section.

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

Clean the barrier screen dusting it 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 fuel bed. 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 fireglass, vermiculite or other media particles as these could be ingested by small children. Vacuum thoroughly around the fireplace area after cleaning.

To remove the window for cleaning—only the front window pane needs to be removed to access the interior of the fireplace:

1. Remove the front barrier screen pull the top first then lifting it out.

2. Hook the window handle to one of the spring-loaded window levers.
3. Pull the lever up and unhook the window. Repeat with the other lever.

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

5. Once removed from the bottom rail, rotate the window pane outward to take it out completely; set it aside in a safe place to avoid damage.

To reinstall the window:

1. Remove any fuel bed media particle from the window bottom rail before installing the window.
2. Ensure the gasket is well fitted to the bottom of the window pane.
3. Insert the window behind the appliance’s front panel and lower it into its bottom rail.
4. Push the top of the window pane against the firebox. Ensure it is centered on the firebox so it seals properly.
5. While you hold it, pull down and hook one of the spring-loaded levers onto the window top black frame using the door handle. Repeat with the other lever.
6. Apply firm hand pressure around the window pane particularly on the top and sides to ensure the window is sealed tight against the firebox.

**ENSURE THE FRONT WINDOW’S SILICONE GASKETS ARE WELL SEALED, FROM TOP TO BOTTOM, TO THE SIDE WINDOWS!**

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

6. Apply firm hand pressure around the window pane particularly on the top and sides to ensure the window is sealed tight against the firebox.

**ENSURE THE FRONT WINDOW’S SILICONE GASKETS ARE WELL SEALED, FROM TOP TO BOTTOM, TO THE SIDE WINDOWS!**

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

8. Reinstall the barrier screen front panel. Place the screen, magnets inboard, against the ridge of the bottom plate; push the top of the screen against the ridge of the top plate.

**FOR SAFETY PURPOSE, ensure the barrier screen is re-installed on the fireplace after maintenance.**
Checking Pilot and 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.

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.
Replacing Batteries
The fireplace requires electrical power which will power the upper lighting (supplied) as well as the remote control receiver. The handset needs however, a battery. If you wish to have batteries operating the fireplace in case of a power outage, insert batteries in the Remote battery and Wall Switch (supplied) installed near the fireplace.

**DO NOT PUT BATTERIES IN THE RECEIVER OF THE FIREPLACE!**
They will overheat and leak.

**CAUTION**

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

Low batteries signal: see page 14.

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 Remote Control 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.
Replacing Light Bulbs

**Overhead Lighting (3 light bulbs)**
The appliance is equipped with a decorative lighting located above the fuel bed. To replace the light bulbs, follow these steps:
1. Remove the front glass window.
2. Locate the light fixture above the firebed.
3. Turn off the lighting using the remote control handset.
4. Remove the burned light bulbs from their sockets by gently pulling on them sideways.
5. With a gloved hand, replace with new light bulbs using only a **20 watts halogen 120 volts (type GY6.35 base bi-pin)**.
6. Test the bulbs by turning the lighting on.
   NOTE: If the bulbs are new and not functioning, turn off the remote control lighting and call your dealer for inspection.
7. Reinstall the front window.

**Underbed lighting (14 light bulbs) (if used)**
If the 2200ULK—Underbed Lighting Kit has been installed, you can replace the burned light bulbs in the following manner.
1. Remove the front glass window.
2. Remove the fuel bed.
3. Remove the media trays, front and back (3 screws each).
4. Locate the light fixture below the firebed.
5. Turn off the underbed lighting using the wall dimmer switch.
6. Remove the burned light bulbs from their sockets by gently pulling on them towards the center.
7. With a gloved hand, replace with new light bulbs using only a **20 watts halogen 120 volts (type GY6.35 base bi-pin)**.
8. Test the bulbs by turning the lighting on.
   NOTE: If the bulbs are new and not functioning, turn off the dimmer switch and call your dealer for inspection.
9. Replace the media front and rear trays.
10. Reinstall the fuel bed—see the instructions to install the fuel beds in this manual.
11. Refit the window.
Approval & Codes

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>JN</th>
<th>JP</th>
</tr>
</thead>
<tbody>
<tr>
<td>Gas</td>
<td>Natural</td>
<td>Propane</td>
</tr>
<tr>
<td>Altitude (Ft.)*</td>
<td>0-4,500 feet*</td>
<td></td>
</tr>
<tr>
<td>Input Maximum (Btu/h)</td>
<td>36,000</td>
<td>36,000</td>
</tr>
<tr>
<td>Input Minimum (Btu/h)</td>
<td>19,000</td>
<td>21,000</td>
</tr>
<tr>
<td>Manifold Pressure (in w.c.)</td>
<td>3.5&quot;</td>
<td>10&quot;</td>
</tr>
<tr>
<td>Minimum Supply Pressure (in w.c.)</td>
<td>5&quot;</td>
<td>11&quot;</td>
</tr>
<tr>
<td>Maximum Supply Pressure (in w.c.)</td>
<td>10&quot;</td>
<td>14&quot;</td>
</tr>
<tr>
<td>Main Burner Injector Marking</td>
<td>1000</td>
<td>50</td>
</tr>
<tr>
<td>Pilot Injector Marking</td>
<td>51</td>
<td>30</td>
</tr>
<tr>
<td>Min. Rate By-Pass Screw</td>
<td>220</td>
<td>160</td>
</tr>
</tbody>
</table>

*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 engine 2200JN is used with natural gas. Heater engine 2200JP is used with propane gas.

The supply pressure must be between the limits shown in the Ratings section above. The supply connection is 1/2" NPT male and located on the rear left side of the firebox. A shut-off valve (supplied) is required on the supply line to isolate the unit during service. See Supply Gas Installation section for details.

Conversion Kits
The 2200J LX2 is supplied as natural gas or propane gas and is field convertible between fuels. See instructions packaged with the conversion kit for further information.

Electrical
The 2200J is designed to run on battery power and does not require an electrical power source to operate as a heater. However, it requires electrical power to operate the interior lighting, the optional 2200ULK Underbed Lighting Kit or 1270RBK Remote Blower Kit.

LDK HeatShift Duct Kit
The 2200J MUST be installed with the 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.
OVERVIEW

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

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 walls directly above the fireplace are constructed of non-combustible materials and, although safe, it may reach temperatures in excess of 175°F depending on choice of materials. Do not touch. Finish the walls using materials suitable for these temperatures.

25
**Dimensions & Location**

**Dimensions**

- **HeatShift 5" dia. outlets (4)**
- **Center of vent**
- **Stand-off**
- **Lifting handles (removable)**

**Top View**

- **Gas Line Stub at rear - see Set-up Gas Supply section**
- **1/2" (13 mm) finishing flanges**
- **Lifting handles (removable)**

**Left Side View**

- **11-1/2" (292 mm)**
- **18" (457 mm)**
- **20" (508 mm)**

**Front View**

- **5-1/4" (133 mm)**
- **11-1/4" (285 mm)**
- **52" (1321 mm)**

**Right Side View**

- **11-1/2" (292 mm)**
- **8-1/2" (216 mm)**
- **2" (51 mm)**

**Location**

- **Temporary valve access during installation**
- **Gas Line Stub at rear - see Set-up Gas Supply section**
CLEARANCES TO COMBUSTIBLE PROJECTIONS

**WARNING**

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

- **Non-combustible material**
- **Non-combustible material only against appliance**
- **Combustible wall finish allowed if framing out to flanged opening**
- **Combustible projections allowed in this area provided area is separated from the main cavity by non-combustible wall finish. Otherwise everything below stand-off height and within cavity must be non-combustible.**
- **Non-combustible wall finish here separating cavity from combustible projections**
- **Framing/Finishing of projections/Extensions around fireplace opening must be non-combustible material**
- **Combustible finishing materials up to 1-1/4” (32 mm) thickness allowed below opening height. Combustible projections greater than 1-1/4” (32 mm) must otherwise be kept min. 4” (102 mm) below opening.**

**1/2” (13 mm) clearance to appliance.** Otherwise use steel framing if against appliance.

**2” (51 mm) clearance to combustible.**

**10” (254 mm) min. sidewall clearance.**

**Non-combustible** material only against appliance.

**WARNING**

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

**CLEARANCES TO COMBUSTIBLE PROJECTIONS**

![Diagram of fireplaces and clearances](image-url)
Minimal Framing

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

- HeatShift plenum framing required (front or sides); see instructions packed with HeatShift kit.
- Combustible framing material except if using HeatShift front outlet plenums LDK1 or LDK4: in this case steel stud required under outlet opening - see instructions packed with HeatShift kit.
- 1/2” (13 mm) non-combustible cement board required. (May be covered with max. 3/4” (19 mm) combustible finish). Combustible projections must otherwise conform to allowable mantel projections - see Clearances to Combustible Projections section in this manual.
- Max. 1-1/4” (32 mm) thickness combustible wall finish allowed.
- DO NOT use screws in this zone!
Extended Framing (steel framing required)

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

HeatShift plenum or duct plates framing required (top, front or sides); see instructions packed with HeatShift kit.

Steel framing. Ensure suitably braced to support weight of wall. Ensure weight of wall above is NOT carried by appliance.

Combustible material allowed on rear wall if framed forward up to flanged opening.

Extended Framing (steel framing required)

Combustible material allowed on front wall

16-1/2" (419 mm) between finished materials

17" (432 mm) between finished materials

Horizontal surfaces (hearth & overhang) within this zone MUST be constructed of non-combustible material if within 9" (229 mm) of appliance perimeter.

DO NOT use screws in this zone!

Combustible construction with plywood base below appliance is okay.
**FRAMING CONSIDERATIONS**

Alcove above opening

- **No rise: 5” x 8” pipes only**
- Approximately 6-1/2” (165 mm) (if using 8” vent)
- 7-3/16” (183 mm) (if using 6-5/8” vent)
- from back surface of wall finish to front surface of appliance case w/no vent offset

- Min. 1” (25.4 mm) clearance to combustibles around vertical vent pipe
- Min. 16-1/2” (419 mm)
- 17” (432 mm) to underside of combustible cavity
- 11” (279 mm)
- 11-1/2” (292 mm)

1/2” thick non-combustible Cement Board

**FRAMING CONSIDERATIONS**

QUALIFIED INSTALLER
Minimum Vertical 6-5/8” Vent

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

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

![Diagram of venting requirements]

- Max. 24” (610 mm) length at this height
- 5” x 8” pipes
- 2” (51 mm) distance from appliance
- Required min. clearance to combustibles
- 8-1/2” (216 mm) spacing
- 11-1/2” (292 mm) spacing
- 5-1/4” (133 mm) distance from floor
- 17” (432 mm) distance from floor
- 11” (279 mm) distance from floor
VENTING

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

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

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

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

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

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

Framing Vent in Combustible Walls & Ceilings (6-5/8” and 8” pipes)
When penetrating through combustible walls and ceilings, frame a minimum of 10 in x 10 in opening and ensure that the insulation is kept clear of the vent pipe using either a wall thimble or an attic insulation shield. Note that some vent manufacturers’ wall thimble dimensions may require larger framed openings—follow the installation instructions supplied with the individual venting components.

Important Installer Notice – Weather Sealing & Vapor Barriers
It is the installer’s responsibility to ensure that vent installations through exterior walls are caulked and weatherproofed in such a manner as to:

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

We recommend the use of a high quality polyurethane sealant.

All horizontal pipe runs must be graded 1/4 inch per foot upwards in the direction of the exhaust flow. The final pipe length, when terminating through the wall may be graded downwards slightly to prevent water migration.
Typical Co-axial Venting Components
Appliance provided with 5 x 8” vent collar and 4 x 6-5/8” vent adapter.

Thru Wall, no rise

5” x 8” ONLY
**4” x 6-5/8” Venting**

**How to Read the Venting Chart**

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

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

---

**Venting Chart with 4” x 6-5/8” pipes**

**4 x 90° ELBOWS MAXIMUM**

(or equivalent)

**Allowable Co-axial Vent Configurations**

with restrictor positions

— with 4” x 6-5/8” pipes

---

**Example 1**

V Value = V1 (3’) + V2 (2’) + V3 (1’) = 6’
H Value = H1 (2’) = 2’
Restrictor position #6 required

---

**Supplied with 5 x 8” vent outlet and 4 x 6-5/8” vent adapter**
5” x 8” Venting

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

Venting Chart with 5” x 8” pipes

<table>
<thead>
<tr>
<th>Allowable Co-Axial Vent Configurations with restrictor positions — with 5” x 8” pipes</th>
</tr>
</thead>
<tbody>
<tr>
<td>4 x 90° ELBOWS MAXIMUM (or equivalent)</td>
</tr>
</tbody>
</table>

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

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

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

To access the restrictors, remove the top panel:

1. Remove 4 screws along the front or back of the panel.
2. Release 4 screws along the other side of the panel. It is not necessary to remove the screws.
3. Slide the panel to unhook it and set aside.
4. The restrictors are set in position 0, 0 at the factory. The position 0 is at the center and the position 10 is the farthest away from the center. Adjust the restrictors position as needed—up to position 9—DO NOT CLOSE ALL THE WAY TO POSITION 10!:

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

**KEY VENT TERMINAL LOCATIONS - MINIMUM DISTANCES**

<table>
<thead>
<tr>
<th>LETTER</th>
<th>DESCRIPTION</th>
<th>MINIMUM CLEARANCE</th>
</tr>
</thead>
<tbody>
<tr>
<td>A</td>
<td>Clearance above grade, verandah, porch, deck or balcony</td>
<td>12 inches (30 cm)</td>
</tr>
<tr>
<td>B</td>
<td>Clearance to window or door that may be opened</td>
<td>12 inches (30 cm)</td>
</tr>
<tr>
<td>C</td>
<td>Clearance to permanently closed window (recommended to prevent condensation on window)</td>
<td>12 inches (30 cm)</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 inches (46 cm)</td>
</tr>
<tr>
<td>E</td>
<td>Clearance to unventilated soffit</td>
<td>12 inches (30 cm)</td>
</tr>
<tr>
<td>F</td>
<td>Clearance to outside corner</td>
<td>12 inches (30 cm)</td>
</tr>
<tr>
<td>G</td>
<td>Clearance to inside corner</td>
<td>12 inches (30 cm)</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 inches (90 cm)</td>
</tr>
<tr>
<td>I</td>
<td>Clearance to service regulator vent outlet</td>
<td>36 inches (90 cm)</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 inches (30 cm)</td>
</tr>
<tr>
<td>K</td>
<td>Clearance to a mechanical air supply inlet</td>
<td>72 inches (180 cm)</td>
</tr>
<tr>
<td>L</td>
<td>Clearance above paved sidewalk or a paved driveway located on public property</td>
<td>84 inches (210 cm)</td>
</tr>
</tbody>
</table>

*Note:* A vent must not terminate directly above a sidewalk or paved driveway, which is located between two single-family dwellings and serves both dwellings. THIS DOES NOT APPLY to direct vent, non-condensing appliances in the Province of Ontario.

| M      | Clearance under a verandah, porch, deck or balcony                          | 12 inches (30 cm)  |

*Note:* Local codes and regulations may require different clearances.

---

**QUALIFIED INSTALLER**

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>

INSTALLATION PLANNING

Installer—READ THIS FIRST

Only qualified licensed or trained personnel should install this appliance.

1. YOU NEED TO KNOW FROM THE HOMEOWNER:
   - Height of appliance and hearth if used;
   - Thickness and type of wall finish around appliance;
   - Accessories used (shelf, underbed lighting);
   - Venting configuration - 4 x 6-5/8 or 5 x 8

2. Unpack the appliance and recycle the packaging EXCEPT THE CARTON PROTECTING THE BARRIER SCREEN—KEEP IT!

3. Remove front window and all items inside firebox.

4. Check that you have everything, using Pack Content sheet. Also, check that you have:
   - fuel bed (packed separately)
   - liners (packed separately)
   - Remote Battery & Wall Switch Kit RBWSK
   - LDK HeatShift Duct Kit (mandatory)
   - Gas conversion kit if necessary
   - Venting accessories
   - Electrical accessories
   - 2200ULK—Underbed Lighting Kit (if used)

5. Carefully read the Installer’s Checklist included with the fireplace for the installation sequence.

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

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

Please note that the LDK HeatShift Duct Kit MUST be installed on this appliance!
Plan Wall Finish

Non-Combustible Materials Specifications
Material which will not ignite and burn. Such materials are those consisting entirely of steel, iron, brick, tile, concrete, slate, glass or plasters, or any combination thereof.
Materials that are reported as passing ASTM E 136, Standard Test Method for Behavior of Materials in a Vertical Tube Furnace at 750 °C shall be considered non-combustible materials.

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

Non-combustible cement board
The LX2 fireplace requires a 1/2” (13 mm) thick non-combustible cement board to be used as a wall surface immediately above the unit opening in the front and above and behind the opening on each side.
Extending the cement board well beyond the minimum will help avoid cracking due to differential expansion of materials.
Pre-drill cement board with oversized holes and do not over-tighten screws to avoid cracking due to heat expansion.
Standard gypsum wall board may be used beyond the perimeter of the cement board.

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

Cracking wall finishes
The LDK HeatShift Duct Kit reduces the wall temperatures and minimizes the possibility of cracking wall finishes.
If a clean finish with no tile, etc. is desired, joints in the cement board and the transition to gypsum board will require special attention if future cracking is to be controlled. Be aware that temperatures on the non-combustible wall surface above the appliance can exceed 175°F.
Below are some tips on how to best avoid any cracking:
• Allow materials to dry thoroughly before finishing the wall. Cement board has the ability to absorb up to 30 percent of its weight in water and may shrink as much as 1/8” over a 48” length when drying from a saturated condition. Running the fireplace before final finishing will help drive out moisture.
• Always pre-drill screw holes through cement board and use screws with self-milling head.
• Always use tape over joints.
• Behind joints, double up studs or use studs “on the flat” to add extra support to the joint. Adhesive on the backside of wall board behind any joints can help control differential movement.
• Use multiple, thinner coats of joint compound and allow to dry thoroughly between coats.
• Ensure framing materials are dry.
• After finishing the wall, introduce heat gradually to slowly dry any excess moisture rather than drying too fast.
• Avoid notching cement board or tiles around corners of window opening and instead provide a joint that intersects the corner.
**INSTALLATION**

**Unpack the Appliance**

Beware of sharp edges! Wear gloves!

1. Remove the cardboard wrapping and the wood pallet from the appliance and discard. **DO NOT DISCARD THE PROTECTIVE CARTON AROUND THE BARRIER SCREEN!**

2. Unpack any loose items from around the appliance.

3. Verify that you have all the components required for the installation, including:
   - approved non combustible cement board;
   - liners and fuel bed (in separate carton);
   - barrier screen;
   - venting components and accessories;
   - LDK HeatShift Duct Kit;
   - electrical components.

**Remove Base Plate and Window**

Remove the base plate.

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

Remove the window.

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

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

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

4. Once removed from the bottom rail, rotate the window pane outward to take it out completely; set it aside in a safe place to avoid damage.

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

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

Note: If installing with an all steel framing, the top standoffs are not necessary. Ensure that the framing is self-supporting, that is it NOT supported by the engine.

Install 6-5/8” x 4” Vent Adapter (if required)
This unit is supplied with a 5” x 8” vent outlet which can be field-converted to a 4” x 6-5/8” vent outlet by installing the vent adapter supplied with the appliance.

Prepare Appliance for Wiring
Decorative Lighting and Remote Battery & Wall Switch Kit (RBWSK)
The fireplace is equipped with a decorative lighting located above the firebed inside the firebox. The lighting is pre-wired at the factory and must be connected to the electrical system of the home PRIOR to the final positioning of the fireplace into the framing. The decorative lighting is operated by the fireplace’s remote control handset.

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

Optional 2200ULK—Underbed Lighting Kit
Additionally, the 2200ULK—Underbed Lighting Kit is offered as an option (sold separately) to provide decorative light under the fuel bed. This kit is optional and if used, the wiring is also accessible from the rear of the appliance and therefore, it must be installed BEFORE the final positioning of the fireplace into the framing. It is operated by a dimmer switch (not supplied) installed outside the fireplace. Use the instructions provided with the kit for the installation.

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

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

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

2. Remove the knock-out covers according to the number of electrical connections needed (1 for incoming power, 1 for optional 2200ULK—Underbed Lighting Kit’s dimmer switch).

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

4. If installing the optional 2200ULK—Underbed Lighting Kit, do it now so you can connect it to the electrical wiring while the appliance is not in final position. Follow instructions provided with the ULK kit for installation into the firebox.

5. Refit the electrical box cover.

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

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

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

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

Use only new black iron or steel pipes 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 pressure testing. 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 16.

Pressure Test Points

The minimum supply pressure is given in the section Specifications of this manual—page 24.

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.

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.
INSTALLATION

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

Complete Installation of LDK HeatShift Duct Kit (required)
See installation instructions packed with the LDK kits for details.
Install Liners

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

Glass Liners: The glass liner panels consist of three identical sections. The Glass Liners install in the same manner and order as the ceramic panels; however they don’t fit into each other. They sit beside each other.

Installation

1. Unpack the liner panels carefully.
2. Remove the rear media tray (3 screws).
3. Inside the firebox, at the rear of the top panel, release the screw of the 3 panel supports and slide the supports towards you.
4. Place one end panel, top first, against the back wall of the firebox, square edge outward and step edge in the center. Slide the panel outward so it is held behind the mounting support.
5. Repeat with the other end panel.
6. Fit the center panel with its step edges overlapping both end panels.
7. Slide the end panels towards the center to eliminate any gaps between them.
8. Ensure all panels are square against the back wall of the firebox.
9. Push the 3 panel supports against the top of each section and tighten the screw.
10. Two brick retainers and three glass retainers are supplied with the panels. They are used to hold the bottom of the rear panels against the rear wall of the firebox. The brick retainers have a shallower return and the glass retainers have a deeper return.

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

12. Repeat with the other panels.
13. Re-install the rear media tray (3 screws).
Install Long Beach Driftwood 1705DWK

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

Installation

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

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

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

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

3. Place the center rear log as indicated.

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

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

6. Place the right cross log on to recess of right rear log as indicated, ensuring it is firmly located.
7. Lightly rotate forward the center rear log and place the centre cross log onto the rear log as indicated.

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

9. Place the rocks on the platform as shown below.
Install Decorative Glass Murano 2200DGM

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

Installation
Carefully unpack the kit.

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

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

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

   NOTE: Ensure the areas within the pilot shield and pilot safe zone are clear of fireglass.
Install Decorative Glass Set 2200DGS

Material required
- Decorative Glass set, which contains:
  ◊ 4 bags of clear fireglass

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

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

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

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

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

Decorative Glass Set installed
Install Splitwood Kit 1700SWK

Material required

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

Installation

Carefully unpack the kit.

Logs, embers & splinters

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

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

Large ports. Do not place logs on Large ports.
1. Install the logs according to the images below. See image of full layout of logs in the following pages. Use the following order: log 1, 2, 3, 4, 6, 5, 7, 9, 8, 10 and 11.

Notes
◊ Log 1 rests on the media tray.
◊ Log 2 rests on notch of log 1.
◊ Log 3 rests across the front corner of the burner.
◊ Log 4 straddles the burner, rests on two pieces of ember—do not cover the large burner ports.
◊ Log 6 straddles the burner—do not cover the large burner ports.
◊ Log 5 rests on rear notch of log 6.
◊ Log 7 rests on front notch of log 6.
◊ Log 8 makes a corner from the right.
◊ Log 9 straddles the burner—do not cover the large burner ports.

◊ Log 8 rests on the notch of log 9.

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

◊ Log 11 rests on notch of log 10.
Logs installed—full layout
2. Carefully spread by hand the embers loosely in a single layer on the surface around the logs. **Do not pour from the bag neither pile up the embers to avoid blocking the burner ports.**

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

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

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

**WARNING**

**CHOKING HAZARD!** Ensure that the fireplace area is clear of embers/splinters particles as these could be ingested by small children. Vacuum area after installation.
Install Rocks & Shale Set 1714RSS

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

Installation
Carefully unpack the kit.

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

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

3. Place the twigs on the rocks as shown. **Note:** The position of the twigs are specific to obtain the best flame pattern. The twigs should not rest flat on the shale bed. Their position across the shale bed allows some air underneath.
   a) Place the one of the curvy twigs as indicated.
   b) Place a short Y twig on the rocks behind the pilot shield; rest the other end on the shale bed.

**NOTE:** Ensure the areas **within** the pilot shield, on the pilot shield and in pilot safe zone are clear of shale. **Do not put rocks on the pilot shield!**
c) Place the long Y twig as indicated.

![Image of long Y twig]

**IMPORTANT:** Use only the ceramic rocks, twigs and shale provided with your Valor fireplace. The use of any other types of rocks, twigs or shale may void your fireplace warranty.

**WARNING**

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

d) Place the other short Y twig as indicated.

![Image of short Y twig]

e) Place the other curvy twig as indicated.

![Image of curvy twig]

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

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

![Image of installed rocks]

Suggested positions for additional rocks around shale bed
To refit the window:

1. Remove any fuel bed media particle from the window bottom rail before installing the window.
2. Ensure the gasket is well fitted to the bottom of the window pane.
3. Insert the window behind the appliance’s front panel and lower it into its bottom rail.
4. Push the top of the window pane against the firebox. Ensure it is centered on the firebox so it seals properly.
5. While you hold it, pull down and hook one of the spring-loaded levers onto the window top black frame using the door handle. Repeat with the other lever.

**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.

6. Apply firm hand pressure around the window pane particularly on the top and sides to ensure the window is sealed tight against the firebox.

**ENSURE THE FRONT WINDOW’S SILICONE GASKETS ARE WELL SEALED, FROM TOP TO BOTTOM, TO THE SIDE WINDOWS!**
7. If the Hot Glass Warning plate has been removed from the front lower corner of the window, reinstall it by sliding it between the glass and the frame as indicated.
INSTALLATION

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

Please note that the batteries cannot be inserted into the receiver inside the appliance. They will overheat and possibly leak and cause the system to stop functioning.

Material required
- 4 AA 1.5V alkaline batteries supplied with the engine
- Remote Battery and Wall Switch Kit, which contains:
  ◊ 1 Wall Switch
  ◊ 2 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 behind the appliance’s front panel, at the right of the control valve. It is maintained in position with Velcro bands.

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

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

3. Connect the harness’ white connector to the auxiliary 5-pin junction on the receiver.

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

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

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

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

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

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

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

13. Make the snap connection, load 4 AA alkaline batteries into the holder (included with fireplace) then feed back into the junction box assembly. **Note: Do not put batteries in the receiver, only in the battery holder by the wall switch.**

14. Test the operation of the wall switch—see page 15.
**Initialize Remote Control**

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

1. Insert one 9 V alkaline battery in the handset.
2. Behind the front panel of the appliance, slide the valve heat shield to the right and locate the receiver. Detach it from the Velcro and pull it out.
3. Locate the Reset button on the top side of the receiver.
4. 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.
5. 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.
6. Put the valve heat shield back in place, over the valve, receiver and v-module.

**WARNING**

ALWAYS PUT THE VALVE HEAT SHIELD BACK IN PLACE over the valve, receiver and v-module! Otherwise, the controls can overheat and the fireplace stop working.
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 9–14.

Set Aeration (if necessary)
Light the fire and allow the unit to warm up for 11–15 minutes to evaluate the flame picture. The burner is equipped with an adjustable shutter to control primary aeration. The shutter is factory-set to an aeration gap which will give optimum performance for the vast majority of installations.

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

Air Shutter

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

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

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

To access the air shutter, remove the barrier screen. The air shutter lever is located in front of the firebox behind the appliance front panel. Adjust the shutter by sliding the lever right or left.
**INSTALLATION**

**Reinstall Base Plate**

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

2. Push the plate down ensuring that the magnets underneath the plate slide behind the fireplace’s front panel.

**Install Barrier Screen**

a) Starting with the side screens, place each screen, magnets inboard, against the ridge of the base plate; push the top of the screen against the ridge of the top plate.

b) Place the front screen, magnets inboard, against the ridge of the base plate; push the top of the screen against the ridge of the top plate. The front screen frame overlaps the side screens’.

**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.

**WARNING**

FOR SAFETY PURPOSE, ensure the barrier screen is re-installed on the fireplace after maintenance.
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<th>DURA-VENT 4 x 6.58&quot;</th>
<th>DURA-VENT 5 x 6.8&quot;</th>
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<th>ICC EXCEL DIRECT</th>
<th>SECURE VENT</th>
<th>RLH INDUSTRIES</th>
<th>AMERVENT</th>
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### Adjustable Pipe Length and Pipe Extensions

| Galvanized or Black       | 46DVA-08A          | 46DVA-08AB (3" to 7"
|                          | 46DVA-16A          | 46DVA-16AB (3" to 14-1/2"
|                          | 46DVA-17TA         | 46DVA-17TAB (11" to 17"
|                          | 46DVA-24TA         | 46DVA-24TAB (17" to 24"
| Coaxial Flex             | 46DVA-48FF         | 46DVA-120FF
| Galvanized               | 46DVA-E45          | 58DVA-E45
| Black                    | 46DVA-E45B         | 58DVA-E45B
| Galvanized Swivel        | —                   | —
| Black Swivel             | —                   | —
| Galvanized               | 46DVA-E90          | 58DVA-E90
| Black                    | 46DVA-E90B         | 58DVA-E90B
| Galvanized Swivel        | —                   | —
| Black Swivel             | —                   | —

### 45° Elbows

| Galvanized               | 46DVA-EL45         | 4D45L
| Black                    | 46DVA-EBR45        | 4D45LB

### 90° Elbows

| Galvanized               | 46DVA-EL90         | 4D90L
| Black                    | 46DVA-EBR90        | 4D90LB

QUALIFIED INSTALLER

APPROVED VENTING COMPONENTS

Approved Direct Vent Suppliers - Valor Models 2200J

<table>
<thead>
<tr>
<th>Venting Parts Code / availability by Manufacturer</th>
<th>—</th>
<th>—</th>
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## APPROVED VENTING COMPONENTS

### Venting Parts Code / availability by Manufacturer

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<th>Venting Parts Description</th>
<th>DUR-A-VENT 4&quot; x 6-5/8&quot;</th>
<th>DUR-A-VENT 5 x 8&quot;</th>
<th>SELK/RK</th>
<th>ICC EXCEL DIRECT</th>
<th>SECURE VENT</th>
<th>RLH INDUSTRIES</th>
<th>AMERVENT</th>
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### Flashings

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<th>Flashings</th>
<th>DUR-A-VENT 4&quot; x 6-5/8&quot;</th>
<th>DUR-A-VENT 5 x 8&quot;</th>
<th>SELK/RK</th>
<th>ICC EXCEL DIRECT</th>
<th>SECURE VENT</th>
<th>RLH INDUSTRIES</th>
<th>AMERVENT</th>
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<td>Roof Flashing 0/12-6/12</td>
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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.

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**QUALIFIED INSTALLER**

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**MILES INDUSTRIES**

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**69**
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.
If you have a problem with this unit, please contact your dealer or supplier immediately. Under no circumstances should you attempt to service the unit in any way by yourself. The warranties in paragraphs 1 and 2 are provided only to the initial owner of this unit, are not transferable and are subject to the conditions and limitations in paragraphs 3, 4 and 5. Please review the conditions and limitations carefully and strictly follow their requirements.

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:

<table>
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<tr>
<th>Part or Component</th>
<th>Defect Covered</th>
<th>Maximum Warranty Period</th>
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<tbody>
<tr>
<td>Exterior steel casing</td>
<td>Corrosion</td>
<td>10 years</td>
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<tr>
<td>Glass</td>
<td>Loss of structural integrity</td>
<td>10 years</td>
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<tr>
<td>Cast iron parts</td>
<td>Corrosion</td>
<td>10 years</td>
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<tr>
<td>Firebox and heat exchanger</td>
<td>Corrosion (but not discoloration) causing loss of structural integrity</td>
<td>10 years</td>
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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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<th>Description</th>
<th>Part No.</th>
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<td>3. Window assembly - right</td>
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<td>5. Door retainer assembly (2)</td>
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<td>6. Exhaust restrictors (2)</td>
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<td>8. Electrical passage gasket</td>
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<td>9. Door gasket set</td>
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<td>10. Burner assembly</td>
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<td>12. Pilot cover</td>
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<td>13. Media tray - rear</td>
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<td>14. Media tray - front</td>
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<td>16. Window assembly - front</td>
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<td>17. Hot Glass warning plate</td>
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<td>18. Exhaust baffle</td>
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<td>19. Light assembly - upper</td>
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<td>20. Bi-pin halogen bulb GY6.35 20 W (3)</td>
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<td>21. LH Vertical plate</td>
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<td>22. RH Vertical plate</td>
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<td>23. Top plate</td>
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<td>24. Bottom plate</td>
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<td>25. Side screen (2)</td>
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<td>26. Front screen</td>
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<td>27. Burner module assy - natural gas</td>
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<tr>
<td>Burner module assy - propane gas</td>
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<td>28. Pilot assembly (natural gas)</td>
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<td>Pilot assembly (propane gas)</td>
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<td>29. Thermocouple</td>
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<td>30. Pilot injector #51 (natural gas)</td>
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<td>31. Pilot injector #30 (propane gas)</td>
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<td>32. Pilot tube</td>
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<td>33. Pilot hood 2-flame</td>
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<td>34. Extended nut</td>
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<td>35. Electrode</td>
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<td>36. Injector elbow 82-1000 (natural gas)</td>
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<td>Injector elbow DMS #50 (propane gas)</td>
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<td>37. Pilot sealing plate</td>
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<td>38. Air shutter slider gasket</td>
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<td>39. Aeration actuator</td>
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<td>40. Pipe s/s flex ACS-375mm-10</td>
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<td>41. Gas supply pipe assembly</td>
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<td>42. Thermocurrent interruptor</td>
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<td>43. GV60 Gas valve assy - natural gas</td>
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<td>GV60 Gas valve assy - propane gas</td>
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<td>44. Gasket silicone</td>
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<td>45. Module tray gasket - long (2)</td>
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<td>46. Module tray gasket - short (2)</td>
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<td>47. V-Module</td>
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<td>48. Receiver ‘MAX’ version HX</td>
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<td>49. Wire harness GV60</td>
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<td>50. Yellow cable to interrupter</td>
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<td>51. Red cable to interrupter</td>
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<td>52. Ignition cable sleeve 530 mm</td>
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<td>53. Ignition cable 500 mm</td>
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<td>54. Handset wall holder</td>
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<td>55. Handset MAX</td>
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<td>56a. Junction box</td>
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<td>56b. Cover plate &amp; 4 screws</td>
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<td>56c. Battery holder</td>
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<tr>
<td>56d. Cable tie</td>
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<td>56e. Harness assembly</td>
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<td>56f. Plate with magnets</td>
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<td>56g. Long screws (4)</td>
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<td>56h. Wall switch with 2 screws</td>
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<td>56i. Battery cover assembly</td>
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<td>57. Ceramic liner panels - complete set</td>
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<td>58. Rear panel—center</td>
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<td>59. Rear panel—sides</td>
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<td>60. Ceramic panel retainers (3)</td>
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<td>Panel retainers (3)</td>
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<td>Glass panels (3)</td>
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<td>1/2&quot; clear fireglass</td>
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<td>1/4&quot; ceramic pads (8)</td>
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<td>Murano glass platform - rear</td>
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<td>Rear log</td>
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<td>LH end log</td>
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<td>Center cross log</td>
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<td>RH rear log</td>
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<td>RH Cross log</td>
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<td>Small grey beach pebble</td>
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<td>White beach pebble (2)</td>
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<td>Black beach pebble (2)</td>
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<td>Small beige beach pebbles (2)</td>
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<td>Grade 1A vermiculite, bagged</td>
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<td>Rocks &amp; Shale Set</td>
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<td>LH twig</td>
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<td>LH twig - short (2)</td>
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<td>Grey Rock S4-A (7)</td>
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<td>Dark Grey Rock S4-A (5)</td>
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<td>Grey Rock S4-B (5)</td>
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<td>No 9 Grey 5 Matte rock (2)</td>
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<td>No 11 Grey 3 Matte rock (2)</td>
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<td>No 14 Grey 9 Gloss rock</td>
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<td>No 16 Warm Grey 3 Gloss pitted rock (2)</td>
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<td>No 17 Grey 5 Gloss pitted rock</td>
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<td>Shale 3/4&quot; - grey, black 0.5lb ea</td>
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<td>Split Wood Kit</td>
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<td>Splinters grey, bagged</td>
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<td>Small embers, bagged</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>
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<tr>
<th>Fireplace Information</th>
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<tr>
<td>Serial Number:</td>
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<td>Date Purchase (yyyy-mm-dd):</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.valorfieplaces.com

Thank you for choosing a Valor Product