DANGER

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

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

WARNING

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

— Do not store or use gasoline or other flammable vapors and liquids in the vicinity of this or any other appliance.
— WHAT TO DO IF YOU SMELL GAS
  ▪ Do not try to light any appliance.
  ▪ Do not touch any electrical switch; do not use any phone in your building.
  ▪ Leave the building immediately.
  ▪ Immediately call your gas supplier from a neighbor’s phone. Follow the gas supplier’s instructions.
  ▪ If you cannot reach your gas supplier, call the fire department.
— Installation and service must be performed by a qualified installer, service agency or the gas supplier.

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

CONSUMER

Retain this manual for future reference.

INSTALLER

Leave this manual with the appliance.

Please read this manual BEFORE installing and operating this appliance.

This appliance is only for use with the type of gas indicated on the rating plate. This appliance is not convertible for use with other gases, unless a certified kit is used.

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

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

Ce guide est disponible en français sur demande.

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FOR THE OWNER

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believed to be correct at the time of printing. Miles In-
dustries Ltd. reserves the right to change or modify any
information or specifications without notice. Miles Indus-
tries Ltd. grants no warranty, implied or stated, for the
installation or maintenance of your heater, and assumes
no responsibility for any consequential damage(s).
Safety Precautions

READ and UNDERSTAND all instructions carefully before starting the installation. FAILURE TO FOLLOW these installation instructions may result in possible fire hazard and will void the warranty.

Prior to the first firing of the fireplace, READ the Owner’s Information section of this manual.

DO NOT USE this appliance if any part has been under water. Immediately, CALL a qualified service technician to inspect the unit and to replace any part of the control system and any gas control that has been under water.

THIS UNIT IS NOT FOR USE WITH SOLID FUEL.

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

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

NEVER OBSTRUCT the flow of combustion and ventilation air. Keep the front of the appliance CLEAR of all obstacles and materials for servicing and proper operation.

This unit MUST be used with a vent system as described in this installation manual. NO OTHER vent system or components MAY BE USED.

This gas fireplace and vent assembly MUST be vented directly to the outside and MUST NEVER be attached to a chimney serving a separate solid fuel burning appliance. Each gas appliance MUST USE a separate vent system. Common vent systems are PROHIBITED.

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

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

DO NOT use this heater as a temporary source of heat during construction.

Due to the high temperature, the appliance should be LOCATED out of traffic areas and away from furniture and draperies.

Clothing or flammable material SHOULD NOT BE PLACED on or near the appliance.

This appliance is a DOMESTIC ROOM-HEATING APPLIANCE. It must not be used for any other purposes such as drying clothes, etc.

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

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

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

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

The glass door assembly SHALL ONLY be replaced as a complete unit, as supplied by the fireplace manufacturer. NO SUBSTITUTE material may be used.

DO NOT USE abrasive cleaners on the glass door assembly. DO NOT ATTEMPT to clean the glass door when it is hot.

A BARRIER DESIGNED TO REDUCE THE RISK OF BURNS from the hot viewing glass is provided with this appliance and SHALL BE INSTALLED for the PROTECTION OF CHILDREN and other AT-RISK INDIVIDUALS.

If the barrier becomes damaged, the barrier SHALL BE REPLACED with the MANUFACTURER’S BARRIER for this appliance.

Any safety screen, guard or barrier removed for servicing the appliance, MUST BE REPLACED prior to operating the appliance.

Children and adults should be ALERTED to the hazards of high surface temperature and should STAY AWAY to avoid burns or clothing ignition.

YOUNG CHILDREN should be CAREFULLY SUPERVISED when they are in the same room as the appliance. Toddlers, young children and others may be susceptible to ACCIDENTAL CONTACT BURNS. A physical barrier is recommended if there are at-risk individuals in the house. To restrict access to a fireplace or stove, INSTALL AN ADJUSTABLE SAFETY GATE to keep toddlers, young children and other at-risk individuals out of the room and away from hot surfaces.

Please 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 10 of Owner’s Information section.

- 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 receiver. It is recommended that batteries are replaced annually in any event—see page 8.
Operating Your Fireplace for the First Time

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 fireplace, 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 17 of this manual.

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 200° F depending on choice of trims. DO NOT TOUCH IT!
- 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 200° 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.

Operating Your Fireplace for the First Time

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.
**Warning**

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

**Important - Glass cleaning - Mineral deposits**

One of the by-products of the combustion process in a gas appliance is a mineral which can show up as a white film on the ceramic glass of the viewing door. The composition of the deposit varies with location and time. It is believed to be associated with the varying sulfur content of the gas. You may have the problem intermittently.

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

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

- Clean the glass regularly as soon as you notice the buildup (white film). If the film is left for a longer period of time, it will etch into the glass. It is then much harder, if not impossible, to remove.
- **NEVER use an abrasive cleaner 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.

**To remove the window for cleaning:**

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

**Clean the window** following the guidelines in this section.

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

**Clean the barrier screens** dusting with a soft brush.

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

**Warning**

**CHOKING HAZARD!** Ensure that the fireplace area is clear of fireglass or shale particles as these could be ingested by small children. Vacuum thoroughly around the fireplace area after cleaning.
To refit the window:

1. Place the window in its bottom railing. **Ensure to remove any shale or glass particles in the railing before installing the window.**
2. Push the top of the window frame against the firebox.
3. While you hold it, pull the side levers back into the window brackets on each side.
4. Apply light hand pressure against the window frame sides to bed-in the window seal.

**DANGER**

To ensure a safe operation, 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. Also, double-check that the bottom of the window frame is correctly installed in the bottom railing.

**WARNING**

Failure to install window correctly can damage components, cause overheating resulting in dangerous conditions. Damage caused by incorrect window installation is not covered by the Valor warranty.

5. If the Hot Glass Warning plate has been removed from the front lower corner of the window, reinstall it by sliding it between the glass and the frame as indicated.
6. Reinstall the side doors sliding them sideways to insert their tabs behind the front face of the trim.
7. Reinstall the barrier screen on the trim.

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

Insert the screen’s top tabs in the slots on the underside of the convection baffle or heatshield, then insert the screen’s bottom tabs in the slots of the removable panel at the bottom to lock it in position.
Ensure the screen is secure and seated all the way down into the bottom slots. There should be a 1” gap between the top of the barrier screen and the trim.

8. Verify that the screen is properly hooked and secure.

**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**

**WARNING**

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

**CAUTION**

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

Low batteries signal: see page 15.

The appliance uses four 1.5 V AA alkaline batteries for its receiver and two AAA alkaline battery for 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 in the receiver:
The receiver is located to the left side of the gas valve under the removable panel in front of the appliance.

1. Remove the barrier screen and the removable panel. It is not necessary to remove the side doors.

   **Note:** If it is difficult to pull out the panel from its front edge, use your finger and pull from the notches in the panel at the bottom of the window.

2. Pull the receiver out.

3. Slide the receiver battery compartment’s cover off.

4. Replace the batteries with 4 AA alkaline batteries orienting them as indicated inside the compartment.

5. Replace the cover.

6. Put the receiver back in its location at the left of the gas valve.

7. Reinstall the removable panel sliding it back under the side doors until it is flush with the sides of the trim.

8. Reinstall the barrier screen.

**Using Handset Wall Holder**

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

**Locating Lighting, Operation and Rating Information Card**

The Lighting, Operation and Rating Information card is located at the right-hand side of the firebox.

To access the information card, remove the barrier screen and the right-hand side door. Pull it out and read the important information on both sides.

**Servicing Your Fireplace**

If any attention is required for your appliance, contact your supplier quoting the model number. It will be helpful if the appliance’s serial number can also be quoted. This number is on the rating plate. The replacement parts are shown at the end of this manual. Please always quote the part number and description when requesting spare parts.

**Operating Your Fireplace**

There are two ways to control your fireplace.

1. Thermostatic Remote Control;
2. Wall Switch (optional).

The Thermostatic Remote Control can be programmed to function automatically—see pages 11–15.

The Wall Switch can be used to turn on, off and to increase or decrease the flame height—see the 1265WSK—Wall Switch Kit.
How to Turn Your Fireplace OFF (including pilot)

Familiarize yourself with each of the following methods before operating your fireplace.

Press and hold for 4 seconds the button on the handset or OFF button on the optional wall switch.

NOTE: The first tap on the button “wakes up” the handset. Tap again to use the function.

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.

As well, familiarize yourself with the gas shut-off valve location in your house. As indicated below, the gas is running when the handle is parallel with the pipe. The gas is off when the handle is perpendicular with the pipe.

How to Ensure Your Fireplace Cannot Be Turned ON Inadvertently

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

First, ensure your fireplace is turned off—including the pilot—and cold BEFORE going ahead.

• Turn the dial on the gas valve from the ON position to the MAN position as shown. Turning the dial to MAN (arrow up) will ensure that the main burner can not come on. The pilot will remain on if it is lit.

• Alternately, remove all batteries from the receiver as well as the battery from the handset.

Automatic Shut-Off (in certain conditions)

Your fireplace’s remote control is equipped with an automatic shut-off mechanism which is activated in certain conditions. See page 15 in the Remote Control Operation section for a description of this feature.
Remote Control Operation

NOTE: Before using the remote control system for the first time, the receiver and the handset must be paired. See the section Initialize Remote Control on page 62 of this manual.

CHOOSING ONE-BUTTON OR TWO-BUTTON IGNITION

On this remote control handset, you can choose a one-button or two-button ignition. You can also choose to activate or disactivate some of the functions. By default, the handset is set to a one-button ignition.

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

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

DEACTIVATING OR ACTIVATING FUNCTIONS

Some functions can be deactivated or activated.

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

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

NOTE: Deactivation remains in effect after change of batteries.

Activate Functions
1. Install batteries. All icons are displayed and flashing.
2. To activate a function, press the relevant button and hold for 10 sec.
3. The function icon will continue to flash until activation is complete. Activation is complete when the function icon is displayed.

The following Functions can be Deactivated/Activated
• CHILD PROOF
• PROGRAM MODE
• THERMOSTATIC MODE (also deactivates Program Mode)
• ECO MODE
• CIRCULATING FAN OPERATION
• COUNTDOWN TIMER

SETTING CELSIUS OR FAHRENHEIT

To change between °C and °F, press and buttons simultaneously.

NOTE: Choosing °F results in a 12 hour clock. Choosing °C results in a 24 hour clock.

SETTING THE TIME

1. Press and buttons simultaneously. Day flashes.
2. Press or button to select a number to correspond with the day of the week.

= Monday
= Tuesday
= Wednesday
= Thursday
= Friday
= Saturday
= Sunday

4. To select hour press or button.
5. Press and buttons simultaneously. Minutes flash.
6. To select minutes press or button.
7. To confirm press and buttons simultaneously or wait.

IMPORTANT: If the display on the handset indicates OFF, it may not mean that the fire is off. Always check the fire and pilot visually to ensure they are off.

CHILD PROOF

ON: To activate press and buttons simultaneously. displayed and the handset is rendered inoperable, except for the OFF function.

OFF: To deactivate press and buttons simultaneously. disappears.
Remote Control Operation

MANUAL MODE (HANDSET)

NOTICE
BEFORE OPERATING
Make sure MANUAL knob on the GV60 Valve is in the ON, full counterclockwise position.

TO TURN ON FIRE

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

Handset One-Button Operation
(Default Setting)
- Press button and hold for four seconds until two short beeps and a blinking series of lines confirms the start sequence has begun; release button.
- Main gas flows once pilot ignition is confirmed.
- Handset automatically goes into manual mode after main burner ignition.

NOTICE
To change from one-button to two-button ignition operation, go to page 1 for instructions.

Handset Two-Button Operation
- Press and button simultaneously until two short beeps and a blinking series of lines confirms the start sequence has begun; release buttons.
- Main gas flows once pilot ignition is confirmed.
- Handset automatically goes into manual mode after main burner ignition.

NOTICE
To change from two-button to one-button ignition operation, go to page 1 for instructions.

WARNING
If the pilot does not stay lit after several tries, turn the gas control knob to OFF ( ) and call your local service technician or gas supplier. See page 17 for more information.

TO TURN OFF FIRE

Handset
- Press button and hold for four seconds to turn OFF.

NOTE: There is a 5 sec delay before the next ignition is possible.

WARNING
IMPORTANT: If the display on the handset indicates OFF, it may not mean that the fire is off. Always check the fire and pilot visually to ensure they are off.

FLAME HEIGHT ADJUSTMENT

Handset
- To increase flame height press and hold button.
- To decrease flame height or to set appliance to pilot flame, press and hold button.

DESIGNATED LOW FIRE AND HIGH FIRE

Handset
- To go to low fire, double-click button. “LO” is displayed.

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

- To go to high fire, double-click button. “HI” is displayed.

STANDBY MODE (PILOT FLAME)

Handset
- Press and hold button to set appliance to pilot flame.
Remote Control Operation

COUNTDOWN TIMER

ON/SETTING:
1. Press and hold ⏰ button until ⏰ displayed, and hour flashes.
2. To select hour press ⬆️ or ⬇️ button.
3. To confirm press ⏰ button. Minutes flash.
4. To select minutes press ⬆️ or ⬇️ button.
5. To confirm press ⏰ button or wait.

OFF:
Press ⏰ button, ⏰ and countdown time disappear.

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

MODES OF OPERATION

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

Program Mode
Programs 1 and 2, each can be programmed to go on and off at specific times at a set temperature.

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

THERMOSTATIC MODE

ON:
Press ⏰ button. 1 displayed, preset temperature displayed briefly, and then room temperature displayed.

OFF:
1. Press ⏰ button.
2. Press ⬆️ or ⬇️ button to enter Manual Mode.
3. Press ⏰ button to enter Program Mode.
4. Press ⏰ button to enter Eco mode.

SETTING:
1. Press ⏰ button and hold until ⏰ displayed, temperature flashes.
2. To adjust SET temperature press ⬆️ or ⬇️ button.
3. To confirm press ⏰ button or wait.

PROGRAM MODE

ON:
Press ⏰ button. ⏰, 1 or 2, ON or OFF displayed.

OFF:
1. Press ⏰ or ⬆️ or ⬇️ button to enter Manual Mode.
2. Press ⏰ button to enter Thermostatic Mode.

NOTE: The set temperature for Thermostatic Mode is the temperature for the ON time in Program Mode. Changing the Thermostatic Mode set temperature also changes the ON time temperature in Program Mode.
Remote Control Operation

**Default settings:**
ON TIME (Thermostatic) TEMPERATURE: 21°C (70°F)
OFF TIME TEMPERATURE: “--” (pilot flame only)

**TEMPERATURE SETTING:**
1. Press red button and hold until green flashes. ON and set temperature (setting in Thermostatic Mode) displayed.
2. To continue press red button or wait.
3. Select off temperature by pressing the red or green button.

**NOTE:** The ON (Thermostatic) and OFF set temperatures are the same for each day.

**DAY SETTING:**
4. RLL flashes. Press red or green button to choose between RLL, SSU, 1, 2, 3, 4, 5, 6, 7.
5. To confirm press red button.

**NOTE:** PROGRAM 1 and 2 use the same on (Thermostatic) and off temperatures for RLL, SSU and “Daily Timer” (1, 2, 3, 4, 5, 6, 7). Once a new on (Thermostatic) and/or off temperature has been set, that temperature becomes the new default setting.

**NOTE:** If RLL, SSU or “Daily Timer” are programmed for PROGRAM 1 and PROGRAM 2 on and off times, these become the new default times. The batteries must be removed to clear the PROGRAM 1 and PROGRAM 2 on and off times and temperatures.

**SSU or “Daily Timer” (1, 2, 3, 4, 5, 6, 7) selected**
- Set on time and off time using same procedure as “ALL selected” (above).
- SSU: Set on time and off time for both Saturday and Sunday.
- Unique on and off times may be set for a single day of the week, for multiple days of the week, or for every day of the week.
- Wait to finish setting.

**ECO MODE**

**ON:** Press red button. white displayed.

**OFF:** Press red button. white disappears.

**CIRCULATING FAN OPERATION**

**NOTE:** SETTING only. Fan is switched on automatically when gas opens. Circulating fan has 4 speed levels from low (1 bar) to high (4 bars).

**SETTING:**
1. Press red button and hold until white flashes.
2. Press red button to increase fan speed and green button to decrease fan speed.
3. To confirm setting either press red button or wait white displayed.

**OFF:** Press green button until all 4 speed level bars disappear.

**NOTE:** Either continue to PROGRAM 2 and set on and off times or stop programming at this point, and PROGRAM 2 remains deactivated.

**NOTE:** PROGRAM 1 and 2 use the same on (Thermostatic) and off temperatures for RLL, SSU and “Daily Timer” (1, 2, 3, 4, 5, 6, 7). Once a new on (Thermostatic) and/or off temperature has been set, that temperature becomes the new default setting.

**NOTE:** If RLL, SSU or “Daily Timer” are programmed for PROGRAM 1 and PROGRAM 2 on and off times, these become the new default times. The batteries must be removed to clear the PROGRAM 1 and PROGRAM 2 on and off times and temperatures.

**SSU or “Daily Timer” (1, 2, 3, 4, 5, 6, 7) selected**
- Set on time and off time using same procedure as “ALL selected” (above).
- SSU: Set on time and off time for both Saturday and Sunday.
- Unique on and off times may be set for a single day of the week, for multiple days of the week, or for every day of the week.
- Wait to finish setting.

**ECO MODE**

**ON:** Press red button. white displayed.

**OFF:** Press red button. white disappears.

**CIRCULATING FAN OPERATION**

**NOTE:** SETTING only. Fan is switched on automatically when gas opens. Circulating fan has 4 speed levels from low (1 bar) to high (4 bars).

**SETTING:**
1. Press red button and hold until white flashes.
2. Press red button to increase fan speed and green button to decrease fan speed.
3. To confirm setting either press red button or wait white displayed.

**OFF:** Press green button until all 4 speed level bars disappear.

**NOTE:** Either continue to PROGRAM 2 and set on and off times or stop programming at this point, and PROGRAM 2 remains deactivated.

**NOTE:** PROGRAM 1 and 2 use the same on (Thermostatic) and off temperatures for RLL, SSU and “Daily Timer” (1, 2, 3, 4, 5, 6, 7). Once a new on (Thermostatic) and/or off temperature has been set, that temperature becomes the new default setting.

**NOTE:** If RLL, SSU or “Daily Timer” are programmed for PROGRAM 1 and PROGRAM 2 on and off times, these become the new default times. The batteries must be removed to clear the PROGRAM 1 and PROGRAM 2 on and off times and temperatures.
Remote Control Operation

LOW BATTERY INDICATION

⚠️ WARNING

Do not use a screwdriver or other metallic object to remove the batteries from the receiver or the handset. This could cause a short-circuit of the remote control system.

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

Receiver
- Three short beeps will sound when the motor turns when the batteries need to be replaced. Replace with four 1.5 V alkaline batteries.

AUTOMATIC TURN DOWN

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

Receiver Overheating
(only if optional circulating fan control module is connected)
- Valve turns to pilot flame if the temperature in the receiver is higher than 140°F (60°C). The main burner turns back on (manually or in Thermostatic Mode) only when the temperature is below 140°F (60°C).

AUTOMATIC SHUT OFF

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

Low Battery Receiver
- With low battery power in the receiver the system shuts off the fire completely. This will not happen if the power supply is interrupted.

Five Day Shut Off
- The system shuts off the fire completely if there is no change in flame height for 5 days.
**Options**

### Required Kits

<table>
<thead>
<tr>
<th>Fuel Beds (choose one)</th>
</tr>
</thead>
<tbody>
<tr>
<td>1400DWK Driftwood Kit</td>
</tr>
<tr>
<td>1400DGM Murano Glass Kit</td>
</tr>
<tr>
<td>1400DGS Decorative Glass Set</td>
</tr>
<tr>
<td>1400LSK Traditional Log Kit</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Liners (choose one)</th>
</tr>
</thead>
<tbody>
<tr>
<td>1410VRL Valor Red Brick Liners</td>
</tr>
<tr>
<td>1415LSL Ledgestone Liners</td>
</tr>
<tr>
<td>1425FBL Fluted Black Liners</td>
</tr>
<tr>
<td>1460PBL Plain Black Liners</td>
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<tr>
<td>1470RGL Reflective Glass Liners</td>
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### Trims (choose one)

<table>
<thead>
<tr>
<th>Trims (choose one)</th>
<th>Barrier Screen Number</th>
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<tbody>
<tr>
<td>1430FFK Fixed Framing Kit</td>
<td></td>
</tr>
<tr>
<td>1435TSB Three-Sided Surround Black</td>
<td>4004587</td>
</tr>
<tr>
<td>1440FSB Four-Sided Surround Black</td>
<td></td>
</tr>
<tr>
<td>1440FSZ Four-Sided Surround Bronze</td>
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### Optional Accessories

**Other Accessories**

<table>
<thead>
<tr>
<th>Other Accessories</th>
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<tbody>
<tr>
<td>1405RGL Reflective Liner for 1425FBL or 1460PBL</td>
<td></td>
</tr>
<tr>
<td>1156CLA Co-Linear Adapter</td>
<td></td>
</tr>
<tr>
<td>1195CFK Circulating Fan Kit</td>
<td></td>
</tr>
<tr>
<td>1265WSK Wall Switch Kit</td>
<td></td>
</tr>
<tr>
<td>1270RBK Remote Blower Kit</td>
<td></td>
</tr>
<tr>
<td>GV60PAK Power Kit</td>
<td></td>
</tr>
</tbody>
</table>

**Hearth Gate**

Hearth gates such as Cardinal's VersaGates are available at retail stores carrying safety products for children.

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

1. STOP! Read the safety information above.

2. TO CLEAR ANY GAS, turn main valve off by pressing the button on remote handset (1).
   • Wait five (5) minutes to clear out any gas, then smell for gas, including near the floor. If you smell gas, STOP! Follow “B” in the safety information above on this label. If you don’t smell gas, go to the next step.

3. AUTOMATIC IGNITION: MAN-knob (2) in ON position. Ensure Flame Adjustment knob (3) is set to lowest setting () (Fig. 1). Locate the pilot (Fig. 3) inside the firebox.
   • On the remote control handset, press the button; a short acoustic signal confirms the start has begun.
   • Further short acoustic signals indicate the ignition process is in progress.
   • When the pilot is lit, the Flame Adjustment knob (3) will automatically rotate to the highest setting.
   • Press the button on the remote control handset to reduce the flame height.

4. MANUAL IGNITION: MAN-knob (2) in MAN position (Fig. 2). With the window off, locate the pilot (Fig. 3) inside the firebox.
   • Set Flame Adjustment knob (3) to the lowest setting ().
   • Push down the metallic core (4) with a pen or similar instrument; this will establish the pilot gas flow.
   • Light gas at the pilot (5) with a match.
   • Continue holding down metal core (4) for about 10 seconds; after release, pilot should remain lit.
     • If the pilot will not stay lit after several tries, turn the gas control knob (3) to OFF () and call your local service technician or gas supplier.
     • Reinstall the window and set the MAN-knob (2) to ON; turn Flame Adjustment knob (3) up () or down () manually or use the and buttons on the 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 button on the remote control handset to shut-off the main burner gas flow.
• Press the button on remote handset to shut-off the appliance, including pilot flame.
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.
Approval & Codes
This appliance is certified to ANSI Z21.88-2014/CSA 2.33-2014 American National Standard / CSA Standard for Vented Gas Fireplace Heaters for use in Canada and USA, and to CGA 2.17-91 High Altitude Standard in Canada. This appliance is for direct vent installations.
This appliance complies with CSA P4.1-09 Testing method for measuring annual fireplace efficiencies.
The installation must conform to local codes or, in the absence of local codes, with the National Fuel Gas Code, ANSI Z223.1 or the Natural Gas and Propane Installation Code CAN/CGA-B149. 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.

*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 1400IN is used with natural gas. The supply pressure must be between the limits shown in the Ratings section.
The supply connection is 3/8” NPT male and located on the right hand side of the firebox. A shut-off valve (not supplied) is required on the supply line to isolate the unit during service. See Supply Gas Installation section for details.

Electrical
The 1400 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 optional 1195CFK Circulating Fan Kit, 1270RBK Remote Blower Kit or GV60PAK Power Adapter.

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<table>
<thead>
<tr>
<th>Model</th>
<th>1400IN</th>
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<tbody>
<tr>
<td>Gas</td>
<td>Natural</td>
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<tr>
<td>Altitude (Ft.)*</td>
<td>0-4,500 feet*</td>
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<tr>
<td>Input Maximum (Btu/h)</td>
<td>36,000</td>
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<tr>
<td>Input Minimum (Btu/h)</td>
<td>19,000</td>
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<tr>
<td>Manifold Pressure (in w.c.)</td>
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<tr>
<td>Minimum Supply Pressure (in w.c.)</td>
<td>5.0”</td>
</tr>
<tr>
<td>Maximum Supply Pressure (in w.c.)</td>
<td>10.0”</td>
</tr>
<tr>
<td>Main Burner Injector Marking</td>
<td>1000</td>
</tr>
<tr>
<td>Pilot Injector Marking</td>
<td>51</td>
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<tr>
<td>Min. Rate By-Pass Screw</td>
<td>220</td>
</tr>
</tbody>
</table>
Overview

Mantel—See Mantel & Hearth Clearances

Non-combustible Hearth—See Hearth Requirements

Trim with Barrier Screen (required)
Fixed Framing kit (1430FFK) installs at framing stage and allows non-combustible wall finish to finish up to it. All other trims overlap the surrounding non-combustible wall finish and are adjustable to accommodate material up to 3/4” thickness overtop of the base 1/2” non-combustible board. For material thickness greater than 3/4”, the heater requires repositioning further forward in the framing cavity—see page 48.

Framing—See Framing Requirements

1/2 inch thick non-combustible board or equivalent – NOT supplied—see page 29 for board specifications

Supplied as vertical outlet, field convertible to horizontal outlet.

Wall Finish
Any wall finishes applied over non-combustible board must be also non-combustible. Combustible mantels are ok provided they conform to chart on page 23.

Combustible Framing Allowed Beneath Fireplace. When the appliance is installed directly on carpeting, tile or other combustible material other than wood flooring, the appliance shall be installed on a metal or wood panel extending the full width and recessed depth of 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 wall directly above the fireplace is constructed of non-combustible materials and, although safe, it may reach temperatures in excess of 200° F depending on choice of trims. Do not touch. Finish the wall using materials suitable for these temperatures.
Dimensions & Location

Dimensions

Note: This dimension is for the 1430FFK Fixed Framing Kit. For all other trims this is the maximum required and may be reduced if positioning the unit forward of the framing to accommodate thickness of non-combustible material over top of non-combustible board.

Top View

Zero Clearance Stand-Offs

1270RBK Duct Kit Inlet (remove plate)

Electrical Inlet Point

Front View

Left Side View

Right Side View

Location

Corner Dimensions

Zero Clearance to Stand-offs at Back and Sides

Face of Framing

Face of Board

1/2" (12.7 mm)
Mantel & Hearth Clearances

Combustible Mantel—Left Side View

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

4” minimum to combustible floor or hearth. See Hearth Requirements section of this manual.

Mantel Projection (from Face of Cement Board)

0” 1” 2” 4” 6” 8” 10” 12”

Mantel Height (from Bottom of Unit)

52” 50” 48” 46”

65” Min. to Ceiling

Bottom of Unit

Ceiling

Mantle Projection

Mantel & Hearth Clearances

QUALIFIED INSTALLER

MILES INDUSTRIES
Mantel & Hearth Clearances

Combustible Sidewall / Mantel Leg—Top View

Shading denotes allowable location for combustible mantel legs

Face of Finished Wall

Fireplace Opening 36-1/8"

Min. 8” to wall

Wall

FIREPLACE

<table>
<thead>
<tr>
<th>Depth</th>
<th>1”</th>
<th>2”</th>
<th>3”</th>
<th>4”</th>
<th>5”</th>
<th>6” or greater</th>
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<tbody>
<tr>
<td>Clearance</td>
<td>3”</td>
<td>4”</td>
<td>5”</td>
<td>6”</td>
<td>7”</td>
<td>8”</td>
</tr>
</tbody>
</table>

Note
Right Side Clearances are the same
**SAFETY WARNING!** The H6 is a very effective radiant heater. The hearth/floor in front of the heater can get very hot (in excess of 200°F). Locating the unit raised above the hearth/floor and using the screen front will greatly reduce hearth temperatures. Any hearth within 4 inches of the base of the heater must be constructed of non-combustible materials and utilise the insulation board supplied as a thermal break between the non-combustible hearth finish and the combustible construction below (see diagrams in the following pages). Note that some materials, although safe can degrade due to heat—take this into consideration when choosing materials.

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

Top of Finished Hearth Must Be Flush With Bottom of Heater to accommodate most optional mantels and trims. The 1440 Four-Sided trim extends 1-1/2" below the bottom of the appliance. See Option section at the beginning of this manual for optional accessories.

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

Rules
1. A hearth is not required. However, any hearth/floor in front of fireplace within 4 inches vertically of the bottom of the unit must be non-combustible and project a minimum distance as shown on page 27. Hearth/floors within 4 inches must have a non-combustible finish applied over the 1/2 inch insulation board provided with the engine. This insulation board acts as a thermal break.
2. Minimum hearth projection is determined by a combination of the height of the hearth above the surface of combustible floor or carpet and the distance between the hearth and the bottom of the fireplace.
3. Combustible baseboards (1 inch thick or less) located on the wall are acceptable provided they are located below the base of the raised fireplace.

Unit Raised Above Combustible Hearth or Floor

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

Face of Cement Board

Base of Fireplace

Combustible Floor

Top Face of Combustible Floor or Carpet

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

QUALIFIED INSTALLER
Hearth Requirements

Unit With Site-Built Non-Combustible Hearth Extending

When using Optional Trims and Mantels, Surface of Finished Hearth Must Be Flush With Bottom of Fireplace (otherwise, optional trims will not fit)

Front of Fireplace (Surface of Cement Board)

Surface of Hearth (non-combustible material on non-combustible insulation board see diagram below)

Min. Hearth Projection Required to Protect Combustible Floor

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

Non-combustible substrate construction detail

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

Hearth height varies depending on trim choice - see pages 44–49

Non-Combustible Finish

1/2”Insulation Board supplied with fireplace

See Chart above for Required Projection

Wood is Allowed directly below fireplace

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

QUALIFIED INSTALLER
Framing Requirements

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

Between underside of header and base of heater. Base of heater must be at **finished hearth height**. Increase cavity height accordingly.

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

May be reduced by thickness of additional non-combustible wall finish applied on top of 1/2" non-combustible board when using trims other than the 1430FFK Fixed Framing Kit.

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

**Insulation Board Under Hearth**

Appliance

Combustible Flooring

Non-combustible hearth with 1/2" combustible shim below

1/2" Insulation board, 36" wide x 12" deep
**Framing Requirements**

**Minimum Non-Combustible Board Dimensions**

Minimum coverage area of non-combustible board. Any wall finish applied to shaded area must be non-combustible. We recommend extending the non-combustible board well beyond the size shown to avoid cracking due to differential shrinkage—see page 41.

Non-combustible board required thickness:
1/2 inch (13 mm)

Min. 45-1/2” (1156 mm)

Min. 15” (381 mm)
Framing Requirements

Framing with Partial Shelf—Top Outlet

- Approx. 11-1/4" (286 mm) from back surface of wall finish to front surface of appliance case w/no vent offset.
- 15-5/8" (397 mm) 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.
- 1/2" thick non-combustible board.
- 48" (1219 mm) to underside of combustible cavity.

PARTIAL SHELF, top outlet.
**Framing Requirements**

*Venting Considerations—Vertical Takeoff*

- **Note:** Min. 24" total rise required
- **24" pipe section**
- **Approx. 66-1/2" (1689 mm) with 24" vent pipe**
- **Approx. 44" (1118 mm)**

*Notes—ALL venting considerations*

- Dimensions of venting are based on using Dura-Vent elbows. Elbow curve radius dimensions will vary when using other brands. In general, other brands have slightly bigger radius.
- 3 inches clearance to combustibles required above horizontal pipe. Slope horizontal pipe upwards 1/4 inch per foot. 1 inch clearance required around sides and bottom of horizontal pipe and around vertical pipe.
- When calculating effective pipe lengths subtract approximately 1-1/2 inch for pipe joint - for example, a 12-inch pipe section will add approximately 10-1/2 inches overall.

*Venting Considerations—Horizontal Takeoff*

- **Note:** Min. 24" total rise required
- **24" pipe section**
- **Approx. 69-1/2" (1765 mm) with 24" vent pipe**
- **Approx. 35-3/4" (908 mm)**

**Framing Requirements**
Top or Rear Outlet
This unit is supplied with a 45 degrees top vent outlet which can be field-converted to a rear vent outlet. See Installation section for more information.

Vent Material
This unit is approved for installation using 4 x 6-5/8 inches co-axial direct vent pipe and accessories as listed in the Approved Venting Components section on pages 66–67 of this manual. Follow the installation instructions supplied with the individual venting accessories.

This unit may also be converted to co-linear (3 x 4 in) venting for use in solid-fuel burning fireplaces and chimneys using adapters and accessories—see list in the Approved Venting Components section on pages 66–67 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 silicone sealant may be used in the outer joints as a substitute to foil tape.

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

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

Framing Vent in Combustible Walls & Ceilings
When penetrating through combustible walls and ceilings, frame a minimum of 10 in x 10 in opening and ensure that the insulation is kept clear of the vent pipe using either a wall thimble or an attic insulation shield. Follow the installation instructions supplied with the individual venting components.

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

Rear Outlet

Top Outlet
Co-axial Venting

How to Read the Venting Chart
The chart below applies to co-axial roof or wall termination.
1. A minimum vertical rise of 24 inches is required in the vent system.
2. The total length of the vent pipe cannot exceed 40 feet.
3. The minimum vertical height with roof termination is 6 feet.
4. Any combination of rise and run can be used as long as they are within the allowable limits shown on the chart below.
5. A maximum of 4 x 90 degrees elbows—or equivalent (2 x 45 degrees = 90 degrees)—can be used. Excludes the 45 degrees take-off elbow shipped with the appliance.
6. Each 90 degrees elbow installed on the horizontal plane is equivalent to a 3 feet horizontal pipe; therefore, 3 feet must be subtracted from allowable horizontal run. (45 degrees elbow is equivalent to 18 inches horizontal pipe.)
7. All horizontal pipe runs must be graded 1/4 inch per foot upwards in the direction of the exhaust flow. The final pipe length, when terminating through the wall may be graded downwards slightly to prevent water migration.
8. A restrictor adjustment is required for most installations having a vertical rise—see next section.

Note: The restrictors are shipped loose with the appliance.

Venting Chart

4 x 90° ELBOWS MAXIMUM
(or equivalent)

Example 1
V Value = V1 (3') + V2 (2') + V3 (1') = 6'
H Value = H1 (3') + H2 (2') = 5'
Restrictor position #1 required

Allowable Co-Axial Vent Configurations with restrictor positions
Restrictors

The restrictors are not required when less than 4'-0" vertical rise in vent system.

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

**MOST INSTALLATIONS REQUIRE RESTRICTORS**

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

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

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

To set the restrictors position:

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

Horizontal Vent Termination

- 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 or a safety hazard. Local codes or regulations may require greater clearances.
- The vent terminal must not be recessed into a wall or siding.
- The vent terminal should be positioned where it will not be covered by snowdrifts.
- Sidewall vent terminations within 7' of grade require a terminal guard such as the 658TG or 845TG.

![Diagram of vent terminal locations]

**KEY**

- Vent terminal
- Air supply inlet
- Area where terminal is not permitted

**VENT TERMINAL LOCATIONS - MINIMUM DISTANCES**

<table>
<thead>
<tr>
<th>KEY</th>
<th>VENT TERMINAL LOCATIONS</th>
<th>MINIMUM CLEARANCE</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td>Inches</td>
</tr>
<tr>
<td>A</td>
<td>Clearance above grade, verandah, porch, deck or balcony</td>
<td>12</td>
</tr>
<tr>
<td>B</td>
<td>Clearance to window or door that may be opened</td>
<td>12</td>
</tr>
<tr>
<td>C</td>
<td>Clearance to permanently closed window (recommended to prevent condensation on window)</td>
<td>12</td>
</tr>
<tr>
<td>D</td>
<td>Vertical clearance to ventilated soffit located above the terminal within a horizontal distance of 2 feet (60 cm) from the center-line of the terminal</td>
<td>18</td>
</tr>
<tr>
<td>E</td>
<td>Clearance to unventilated soffit</td>
<td>12</td>
</tr>
<tr>
<td>F</td>
<td>Clearance to outside corner</td>
<td>12</td>
</tr>
<tr>
<td>G</td>
<td>Clearance to inside corner</td>
<td>12</td>
</tr>
<tr>
<td>H</td>
<td>Horizontal clearance to center-line of meter/regulator assembly located within 15 feet (4.6 m) below the terminal</td>
<td>36</td>
</tr>
<tr>
<td>I</td>
<td>Clearance to service regulator vent outlet</td>
<td>36</td>
</tr>
<tr>
<td>J</td>
<td>Clearance to non-mechanical air supply inlet to the building or the combustion air inlet to any other appliance</td>
<td>12</td>
</tr>
<tr>
<td>K</td>
<td>Clearance to a mechanical air supply inlet</td>
<td>72</td>
</tr>
</tbody>
</table>
| L   | Clearance above paved sidewalk or a paved driveway located on public property  
**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 | 84 | 210 |
| M   | Clearance under a verandah, porch, deck or balcony  
**Only permitted if veranda, porch, deck or balcony is fully open on a minimum of 2 sides beneath the floor** | 12 | 30 |

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

**Co-linear Venting**

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

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

**Note:** A 3" diameter exhaust liner may be used if conditions will not allow for the 4" exhaust liner. Cold start-up problems may be experienced however when using a 3" exhaust liner. **Firebox zero clearance standoffs supplied with the heater are not required for this application.**

**Rules for Co-Linear Venting**

- Maximum 40 feet vertical pipe
- Minimum 10 feet vertical
- Maximum offset 8 feet with liners at minimum 45 degrees from horizontal plane
- Restrictor: Use #4 position for all co-linear installations—refer to page 35 for restrictor
Co-linear Venting

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

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

Example of co-linear terminal configurations

Co-linear terminal kits
Installer—READ THIS FIRST

Only qualified licensed or trained personnel should install this appliance.

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

1. Unpack the appliance, removing all items packed inside and around the appliance.
2. Check that you have everything, using the Pack Content sheet. Also, check that you have:
   • a fuel bed (packed separately)
   • a set of liners (packed separately)
3. Finish the framing.
4. Fit the appliance into framing and fix it to the framing.
5. Remove the window of the appliance.
6. Install the venting system and tape vent pipe joints.
7. Position the restrictor.
8. Connect the electrical wiring for optional electric accessories if used.
9. Install the optional electric accessories if used.
10. Connect and test the gas supply.
11. Install the liners.
12. Install the fuel bed.
13. Refit the window and the hot glass safety plate if removed.
14. Initialize the remote control system.
15. Verify the operation and adjust aeration settings.
16. Install the remote control handset wall holder.
17. **Instruct the homeowner on the operation and maintenance of the fireplace.**
18. Finish the wall around the fireplace.
19. Install the surround trim and barrier screen.

Appliance Height in Framing

Hearth considerations
• Only a non-combustible hearth can be installed in front of the appliance if within 4” of the bottom of the appliance.
• The top surface of the non-combustible hearth must be at the same level as appliance bottom panel when using certain trims and accessories—see page 49.
• The non-combustible hearth in front of the appliance, if within 4” of the bottom of the appliance, must include the 1/2” Micore insulation board provided to be used as thermal break between non-combustible and combustible material underneath.

Appliance Depth in Framing
• 1430 Fixed Framing Kit installs at framing stage and the appliance position is fixed in the framing. Wall finishes butt up to the frame of the 1430 Fixed Framing Kit.
• All other trims install after the wall finish is applied. The perimeter of the trims overlap the wall finish; therefore the thickness of any wall finish materials must be taken into consideration. The trims have enough adjustability to allow up to 3/4” thick material applied over top of the 1/2” thick non-combustible board. Otherwise the appliance position within the framing must be adjusted to allow the additional thickness—see pages 48-49.
Plan Wall Finish

Non-combustible cement board
The H6 fireplace requires a 1/2” (13 mm) thick non-combustible cement board or equivalent, to be used as a wall surface immediately above the unit—see diagram for minimum coverage. Extending the cement board well beyond the minimum shown will help avoid cracking due to differential expansion of materials. Pre-drill cement board with oversized holes and do not over-tighten screws to avoid cracking due to heat expansion.

Standard gypsum wall board may be used beyond the perimeter of the cement board although it is preferable not to change materials to help avoid cracking.

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, etc.—see page 41.

Be aware that a surround is always required and that the wall finish thickness must be taken into account for all installations other than the Fixed Framing Kit 1430.

All the other surrounds, 1435 and 1440, will accept wall finish tucked under their edge up to approximately 2” thick.

Minimum cement board dimensions

1/2” (13mm) thick non-combustible cement board

Installation Planning

1430FFK Fixed Framing Kit
• Installs at framing stage
• Wall finish butts up to the frame
• Does not accept other optional surrounds

1435TSB 3-sided Surround and 1440FSB 4-sided Surround
• Install after wall finish applied
• Surround overlaps wall finish
Cracking Wall Finishes

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

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

Be aware that temperatures on the non-combustible wall surface above the appliance can exceed 200°F.

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

• Allow materials to dry thoroughly before finishing the wall. Cement board has the ability to absorb up to 30 percent of its weight in water and may shrink as much as 1/8” over a 48” length when drying from a saturated condition. Running the fireplace for an extended period before final finishing will help drive out moisture.

• Always pre-drill screw holes through cement board and use screws with self-milling head.

• Always use mesh tape over joints.

• Always stagger joints in wall board.

• Behind joints, double up studs or use studs “on the flat” to add extra support to the joint. Adhesive on the backside of wall board behind any joints can help control differential movement.

• Use multiple, thinner coats of joint compound and allow to dry thoroughly between coats.

• Ensure framing materials are dry.

• After finishing the wall, introduce heat gradually to slowly dry any excess moisture rather than drying too fast.

• Avoid notching cement board or tiles around corners of window opening and instead provide a joint that intersects the corner.
Unpack Appliance
Beware of sharp edges! Wear gloves!
1. Remove the cardboard wrapping and the wood pallet from the appliance and discard.
2. Unpack any loose items from around the appliance.
3. Verify that you have all the components required for the installation, including:
   - approved non combustible cement board;
   - liners and fuel bed (in separate cartons);
   - surround kit with barrier screen;
   - venting components and accessories;
   - electrical components if installing optional blower.
4. The standoffs are supplied flat on the firebox and fixed at one end. Bend them as shown and fix the loose end to the top of the firebox.
5. Remove the heat shield from the top of the appliance case (3 screws). If using the top outlet, discard the shield. If using a rear outlet, keep the shield to reinstall after converting the top to rear outlet—see next subsection.

Convert from Top to Rear Outlet
(if required)
This unit is supplied with a top vent outlet which can be field-converted to a rear vent outlet. Please note that the rear outlet requires the installation of the heat shield on top of the heater case as indicated.
1. Remove the top outlet collar (6 screws).
2. Swivel the collar and install as a rear outlet (6 screws).
3. Reinstall the heat shield to the top of the appliance case (3 screws).
Remove Window
The window is held in place by a spring-loaded lever on each side.
1. To remove the window, locate the levers on each side of the window towards the top. Using your finger, pull the lever towards you and unhook it from the window frame bracket.
2. Gently pull the top of the window outward.
3. Lift the window out of its bottom railing and set it aside in a safe place to avoid damage.

Section Views
Install Appliance for 1430 Fixed Framing Kit

Appliance Depth in Framing—with 1430 Fixed Framing Kit

- The 1430 installs to the appliance during the framing stage and the appliance’s position is fixed in the framing. Wall finishes are then applied over top of the flanges and butted up to the frame of the 1430.

1430 Fixed Framing Kit, fixed position

- side brackets supplied with appliance not required
- appliance positioning brackets supplied on appliance not required
Install Appliance with 1430 Fixed Framing Kit

Part of the 1430 Fixed Framing Kit installs at the time of framing the appliance.

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

The 1430 Fixed Framing Kit is not compatible with any other trim or door kits.

Hearth considerations

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

Without hearth (up the wall)

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

With hearth

• Only a non-combustible hearth can be installed in front of the appliance if within 4" vertically of the bottom of the appliance. See Hearth Requirements section of this manual.

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

1. Unpack the 1430 kit checking that you have all the pieces on hand.

2. On the top of the appliance’s case in front of the stand-offs, remove the positioning brackets (2 screws each); they are not used with this kit.

3. On the sides of the appliance case, install the side stand-offs (2 screws each).

4. Fit the upper panel support to the top of the appliance’s case as indicated (5 screws).

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

6. On the appliance, install the side panels as indicated (3 screws per side).
7. Assemble the heatshield to the upper panel as indicated (5 screws).

8. Install the upper panel as indicated (3 screws).

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

10. Set aside the side doors, removable panel and barrier screen to install later when the appliance’s set-up and wall finish application are completed.

11. Continue the installation of the heater as indicated in this manual.
Install Appliance for 3 and 4-Sided Surrounds

Appliance Depth in Framing—with 3 and 4-Sided Surrounds

- The 3 and 4-sided surrounds are adjustable to accommodate up to an additional 3/4” of tile or other over top of the 1/2” non-combustible wall board (Method 1).
- The appliance’s position within the framing cavity may also be adjusted for depth in the framing to accommodate additional wall finish thickness “tucked” behind the surround (Method 2).

Installation Method 1

- wall finish thickness: up to 3/4” + 1/2” non-combustible board
- surround’s depth on appliance can be adjusted to accommodate wall finish thickness

Installation Method 2

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

Method 1

- side brackets fixing position

Use hole!

Method 2

- side brackets fixing position

Use slot!
Install Appliance for 3 or 4-Sided Surrounds
The 3-sided surround 1435 and 4-sided surround 1440 are fitted to the appliance once it’s installation and the wall finish application have been completed. The side brackets provided loose with the appliance are required for those surrounds.

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

Without hearth
In the case where there is no hearth, the bottom of the appliance must be raised at least 4” inches (102 mm) above any combustible floor in front.

With hearth
- The bottom of the appliance must be installed level with the top of the hearth surface in most cases other than with the 4-sided surround which hangs below the bottom of the appliance.
- Only a non-combustible hearth can be installed in front of the appliance if within 4” vertically of the bottom of the appliance.
- The non-combustible hearth in front of the appliance, if within 4” of the bottom of the appliance, must include the 1/2” Micore insulation board provided to be used as thermal break between non-combustible and combustible material underneath.
Fit Appliance to Framing

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

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

When setting the position of appliance within framing, the front surface of the positioning bracket indicated should always be flush with where you anticipate the finished wall surface to be. Adjust the position of the side brackets to suit. *If in doubt, allow for slightly less material thickness as the trims have additional 3/4” of adjustment.*
Install Electrical Wiring (if necessary)  
(for optional fan or power adapter kit)

This section provides information to install the electric pre-wiring required for use with the 1195CFK Circulating Fan Kit or GV60PAK Power Adapter Kit.

All wiring must be done by a qualified electrician in accordance with local codes or, in the absence of local codes, with the National Electrical Code, ANSI/NFPA 70 or the Canadian Electrical Code, CSA C22.1.

Electrical Requirements

1195CFK—120 V, 60 Hz, less than 1 amp

General Requirements

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

Installation

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

If simply roughing in power at this point, ensure wiring is not live or terminate at this location in a temporary metal junction box using wire nuts to cap wires.
Connect Gas Supply
The gas supply inlet connection is a 3/8" NPT male connector located on the right hand side of the firebox.
The unit is supplied with a stainless steel flex line to allow the appliance to be disconnected for service. An individual shut-off valve (not supplied) is required on the supply line ahead of the flex connector.
Use only new black iron or steel pipes or copper tubing if acceptable—check local codes. Note that in USA, copper tubing must be internally tinned for protection against sulfur compounds.
Unions in gas lines should be of ground joint type.
The gas supply line must be sized and installed to provide a supply of gas sufficient to meet the maximum demand of the appliance without undue loss of pressure.
Sealant used must be resistant to the action of all gas constituents including LP gas. Sealant should be applied lightly to male threads to ensure excess sealant does not enter gas lines.

Pressure test the supply line for leaks.
The appliance and its individual shut-off valve must be disconnected from the gas supply piping system during any pressure testing of that system at test pressures in excess of 1/2 psig (3.5 kPa).
The appliance must be isolated from the gas supply piping system by closing its individual manual shut-off valve during any pressure testing of the gas supply piping system at test pressures equal to or less than 1/2 psig (3.5 kPa).
Failure to either disconnect or isolate the appliance during pressure testing may result in regulator or valve damages and void the warranty. Consult your dealer in case of damages.

Pressure Test Points
The minimum supply pressure is given in the section Specifications of this manual—page 20.
All piping and connections must be tested for leaks after installation or servicing. All leaks must be corrected immediately.
When testing for leaks:
• Make sure that the appliance is turned off.
• Open the manual shut-off valve.
• Test for leaks by applying a liquid detergent or soap solution to all joints. Bubbles forming indicate a gas leak.

Never use an open flame to check for leaks.
Correct any leak detected immediately.
The pressure test tapping locations are shown in the figure below. An internal regulator within the valve controls the burner manifold pressure.
The correct pressure range is shown in the table in section Specifications of this manual on page 20. The pressure check should be made with the burner alight and at its highest setting. See Lighting Instructions section for full operating details on page 17.
Install Liners

The following guidelines apply for all liners with the exception of the 1470RGL—Reflective Glass Liners; the instructions are provided with the kit.

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

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

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

Note: If you are installing the optional 1405RGL—Reflective Glass liner panel (with 1425FBL—Fluted Black Liners or 1460PBL—Black Liners), place the reflective panel, smooth side visible, in front of the rear ceramic panel, held in place as well by the bottom rail retainers.

4. Insert the top panel, beveled edge towards the back of the firebox, on top of the side and rear panels.

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

6. Slide the top across the top of the other panel to rest on both side panels and rear panel.
Install Driftwood Kit 1400DWK

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

Installation

Logs
Carefully unpack the kit.
Install the logs as shown below.

1. Fill the cavity on the ceramic platform with one layer of shale pieces.

2. Place the rear log in position inserting its pins into the holes at the rear of the burner.

3. Place the left log inserting its pin into the hole in the front of the platform and resting its rear end on flat space on the rear log.

4. Notch the left cross log on top of the left log and rest its curved end on the shale fuel bed centered between the front and the rear. You can remove some shale so the log’s end rests on the platform itself.

5. Place the right cross log inserting its pin in the hole at the front center of the platform. Rest its narrow flat edge about 1 inch in front of the rear edge of the burner’s cavity. There should be an air space under the log; move the shale pieces if necessary.
6. Place the right log inserting its pin on the front right hole on the burner platform; the block in the middle goes to the notch on the right cross log and the other end rests on the flat space on the rear log.

7. Add some shale to cover the edge of the cavity in the burner platform.

**WARNING**

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

**Pebbles**

Place the pebbles on the shale and platform as suggested below.

**NOTE:** Ensure the area within and in front of the pilot shield is not blocked by shale particles or rock.
Install Decorative Glass Murano 1400DGM

Material required
- Decorative Glass Murano kit containing:
  - 1 glass platform
  - 1 glass square pad
  - 1 pilot shield
  - 2 platform retainers
  - 1 bag of clear 1/2” fireglass
  - Gloves (recommended to manipulate glass)

Installation
Carefully unpack the kit. Wear gloves to handle the fireglass.
1. Install the two platform retainers as indicated.
2. Install the glass platform on top of the retainers.
3. Lift the glass platform slightly and insert the pilot shield over the pilot cover. Note the orientation of the pilot shield with the lip being at the front.
4. Place the square glass pad on the pilot shield.
5. Carefully spread the glass on top of the burner within the platform opening.

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

WARNING
CHOKING HAZARD! Ensure that the fireplace area is clear fireglass particles as these could be ingested by small children. Vacuum area after installation.
Install Decorative Glass Set 1400DGS

Material required
- Decorative Glass Set containing:
  - 1 metal tray
  - 1 pilot shield
  - 3 bags of clear 1/2” fireglass
  - Gloves (recommended to manipulate glass)

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

1. Install the metal tray over the ceramic burner.

2. Place the pilot shield on top of the metal tray spanning over the pilot area cut-out. Note the orientation of the pilot shield with the lip being at the front.

3. Carefully fill the metal tray with fireglass, leveling it with the top of the tray's flange.

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

WARNING
CHOKING HAZARD! Ensure that the fireplace area is clear of glass particles as these could be ingested by small children. Vacuum area after installation.
Install Traditional Log Kit 1400LSK

Material required
• Log set containing:
  • 1 grate
  • 7 logs
  • 2 bags of loose coal pieces
  • Gloves, if desired

Installation
Unpack the ceramic logs very carefully to avoid damaging them. Install the logs as shown below. Please note that the position of the logs is critical to insure proper performance of the appliance.

1. Place the grate securing it by inserting the tabs in the slots at the front edge in the burner platform cavity. Center the grate with the burner cavity.

2. Cover the burner cavity with loose coal pieces as shown. A single layer of coals is all that is required. Remaining coals can be used later on (step 10) outside the burner cavity to hide driftwood log location pin holes in burner. **Note:** Avoid piling coals against the sides of the grate to allow air flow under the grate.

3. Place the right rear log inserting the grate’s right side support into the slot on the underside of the log and resting the log’s end on the rear middle tine of the grate as indicated. **Note:** This gap between the log and the front inside edge of the grate is about one inch.

Sides of grate: do not overfill cavity to leave space under grate’s left and right supports for airflow.
4. Place the left rear log on the grate’s left side support and resting the log’s end on the flat space on top of the right rear log as indicated.

**Note:** This gap between the log and the front inside edge of the grate is about two inches.

5. Place lower rear log’s notch on the grate’s rear support under the left rear log as indicated.

6. Place the left top log resting its front end notch between the grate’s first and second tines and its other end on rear log as indicated.
Installation

7. Place the right top log resting its front end notch between the grate’s second and third tines and rest its other end on the right rear log as indicated.

8. Insert the right front log underneath the right top log its notch resting between the grate’s first and second right tines as indicated. The other end of the log rests on the shale bed. Slide the log left as far as possible until it rests against the left cast tine.

9. Insert the left front log underneath the left top log resting it on the grate left support. The other end of the log rests on the shale bed next to the lower rear log.

10. Add some loose coals pieces on the ceramic platform as suggested.

WARNING

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

1. To refit the window, place it in its bottom railing. **Ensure there is no glass or vermiculite particles in the bottom railing.**

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

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

4. Apply light hand pressure against the window frame sides to bed-in the window seal.

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

**DANGER**

To ensure a safe operation, 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.

Also, double-check that the bottom of the window frame is correctly installed in the bottom railing.

Failure to install window correctly can damage components, cause overheating resulting in dangerous conditions. Damage caused by incorrect window installation is not covered by the Valor warranty.
**Initialize Remote Control**

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

1. Insert two 1.5 V AAA **alkaline** batteries in the handset.
2. Locate the Reset button on the front side of the receiver.
3. With a sharp object, press and hold the receiver’s **RESET** button until you hear one short and one long beeps. After the second beep, release the reset button.
4. Within the subsequent 20 seconds, press the **button** on the remote handset until you hear two short beeps confirming the pairing is done. If you hear one long beep, the pairing sequence has failed or the wiring is incorrect.

This is a one time pairing only and is not required when changing the batteries of the handset or receiver. The remote control system is now ready to use.
Check Operation
Turn the fireplace flame up and down using the remote control to confirm that the full range of inputs is achieved—see the remote control operation instructions on pages 11–15.

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

In a few unusual installations, 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 and window installed.

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

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

Too little aeration may result in black carbon forming on logs or roof panel and dropping into the firebox.

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

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

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

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

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

5. Fix the burner to the manifold bracket at the rear with screw.

Note: Ensure that the front of the burner is well hooked when re-installing! Again, be careful not to hook the pilot hood when fitting the burner over the pilot.
Install Trim and Barrier Screen
Install the trim chosen by the customer for their fireplace. Install as well the barrier screen which is provided with the trim.
Show the customer how to remove the barrier screen to access the controls.
Follow the instructions provided with the trim and leave those instructions behind for the customer's further reference.

Install Remote Control Handset Wall Holder
The remote control kit for this fireplace comes complete with a wall-mounted holder. This holder is not required in all installations but is provided as an optional feature for those customers who wish to mount the remote handset to the wall.
To install the holder to the wall, find a convenient location (see below) and use the hardware provided with the kit.
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,
• not in direct sunlight,
• not on an outside wall, and
• away from return air grilles,
as this may affect the temperature sensor located in the remote handset.
Wiring Diagram

MAN-Knob

Main Valve Knob

Combination Control Valve

Interruptor Block

Thermocouple

Electrode Cable

Receiver

8-Wire Cable

Yellow

Red

GV60 Wiring Diagram

Optional Fan

1195CFK

Control

Module

Optional Wall Switch Kit

1269WSK

Connector

Battery Compartment

Button "RESET:

MILES INDUSTRIES
## Approved Venting Components

### Approved Direct Vent Suppliers for Valor Models 1100, 1150, 1200, 1400, 1500, 1600 and 1700

<table>
<thead>
<tr>
<th>Venting Parts Code / availability by Manufacturer</th>
<th>DURA-VENT</th>
<th>SELKIRK</th>
<th>ICC EXCEL DIRECT</th>
<th>SECURE VENT</th>
<th>RLIH INDUSTRIES</th>
<th>AMERIVENT</th>
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**NOTE:** 2-ply liner approved to CAN/ULC S635 suitable for venting gas appliances. As manufactured by Z-Flex, Flexmasters or others.

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**QUALIFIED INSTALLER**
# Approved Venting Components

## Venting Parts Code / availability by Manufacturer

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<th>Pipes 4&quot; x 6.5/8&quot; (ID x OD)</th>
<th>DURA-VENT</th>
<th>SELKIRK</th>
<th>ICC EXCEL DIRECT</th>
<th>SECURE VENT</th>
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<td>940164SHRD</td>
</tr>
</tbody>
</table>

### 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) aluminum; b) black powder coated; c) solid copper.
5. Miles Industries Valor Co-linear adapter 1156CLA cannot be used with models 1200 and 1600. Use only with models 1100, 1150, 1400, 1500 and 1700.
6. Only Miles Industries Valor Co-linear adapter 1156CLA can be used with models 1700.
Warranty

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>
<thead>
<tr>
<th>Part or Component</th>
<th>Defect Covered</th>
<th>Maximum Warranty Period</th>
</tr>
</thead>
<tbody>
<tr>
<td>Exterior steel casing</td>
<td>Corrosion</td>
<td>10 years</td>
</tr>
<tr>
<td>Glass</td>
<td>Loss of structural integrity</td>
<td>10 years</td>
</tr>
<tr>
<td>Cast iron parts</td>
<td>Corrosion</td>
<td>10 years</td>
</tr>
<tr>
<td>Firebox and heat exchanger</td>
<td>Corrosion (but not discoloration) causing loss of structural integrity</td>
<td>10 years</td>
</tr>
</tbody>
</table>

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.
<table>
<thead>
<tr>
<th>Code</th>
<th>Description</th>
<th>Part Number</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Heat shield</td>
<td>4004512</td>
</tr>
<tr>
<td>2</td>
<td>45 degrees flanged elbow</td>
<td>0945JM</td>
</tr>
<tr>
<td>3</td>
<td>Elbow gasket</td>
<td>4002999</td>
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<tr>
<td>4</td>
<td>Top stand-offs (2)</td>
<td>4005219</td>
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<td>5</td>
<td>Restrictor plates (2)</td>
<td>4001222</td>
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<td>6</td>
<td>Take-off cover (2)</td>
<td>4003046</td>
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<tr>
<td>7</td>
<td>Frame fixing brackets (2)</td>
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<tr>
<td>8</td>
<td>LH Window latch assembly</td>
<td>4003681</td>
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<tr>
<td>9</td>
<td>RH Window latch assembly</td>
<td>4003680</td>
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<tr>
<td>10</td>
<td>Liner panel anchors (2)</td>
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<tr>
<td>11</td>
<td>Engine positioning brackets (2)</td>
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<tr>
<td>12</td>
<td>Window assembly</td>
<td>4003673X</td>
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<tr>
<td>13</td>
<td>Hot glass warning plate</td>
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<tr>
<td>14</td>
<td>1/2” Micore 300 insulation board</td>
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<tr>
<td>15</td>
<td>Burner contemporary assy 1400</td>
<td>4004975</td>
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<tr>
<td>16</td>
<td>Module assembly 1400NG</td>
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<td>17</td>
<td>Manifold assembly</td>
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<tr>
<td>18</td>
<td>Pilot mount</td>
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<tr>
<td>19</td>
<td>Pilot shield</td>
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<td>20</td>
<td>Pilot assembly NG</td>
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<tr>
<td>21</td>
<td>Thermocouple</td>
<td>4000061</td>
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<td>22</td>
<td>Pilot injector NG #51</td>
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<tr>
<td>23</td>
<td>Electrode, short</td>
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<td>24</td>
<td>Nut for short electrode</td>
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<td>Injector elbow NG 82-1000</td>
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<tr>
<td>26</td>
<td>Gasket module plate, front</td>
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<td>27</td>
<td>Gasket module plate, rear</td>
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<td>28</td>
<td>Gaskets module plate, RH</td>
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<td>Gaskets module plate, LH</td>
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<td>Pilot sealing plate</td>
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<td>31</td>
<td>Single pipe sealing plate</td>
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<td>32</td>
<td>Valve to injector pipe assembly</td>
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<td>Thermocurrent interrupter</td>
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<td>Pipe s/s flex</td>
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<td>Comfort Control wall holder</td>
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<td>38</td>
<td>Comfort Control handset - 8</td>
<td>4004520</td>
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<td>39</td>
<td>CC Universal receiver</td>
<td>4004468</td>
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<td>40</td>
<td>Wire harness GV60</td>
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<td>Yellow interruptor cable</td>
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<td>Red cable to interruptor</td>
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<td>Ignition cable 500 mm</td>
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<td>48</td>
<td>Left front log</td>
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<td>49</td>
<td>Right top log</td>
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<td>50</td>
<td>Right front log</td>
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<td>Grate assembly</td>
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<td>RH Grate mounting bracket</td>
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<td>LH Grate mounting bracket</td>
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<td>H6 - Driftwood, full set</td>
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<td>Rear log</td>
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<td>Left cross log</td>
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<td>68</td>
<td>1-1/2 lb 3/4” grey/black shale</td>
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<td>Decorative Glass Murano</td>
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<td>72</td>
<td>1/2&quot; clear fireglass (1 bag)</td>
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<td>Pilot shield cover</td>
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<td>74</td>
<td>Pilot glass pad</td>
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<td>Decorative Glass Set</td>
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<td>Tray for fireglass</td>
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<td>Pilot shield cover</td>
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<td>78</td>
<td>1/2” clear fireglass (3 bags)</td>
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<tr>
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<td>Reflective Glass Panel</td>
<td>1405RGP</td>
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<td>82</td>
<td>LH side panel</td>
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<td>83</td>
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<td>Valor Red Brick</td>
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<td>Fluted Black</td>
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<tr>
<td>84</td>
<td>Top panel</td>
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<td></td>
<td>Valor Red Brick</td>
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<tr>
<td></td>
<td>Plain Black</td>
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</tbody>
</table>
Thank You ...

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

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

<table>
<thead>
<tr>
<th>Fireplace Information</th>
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</thead>
<tbody>
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<td>Model Number: 1400 IN</td>
</tr>
<tr>
<td>Serial Number:</td>
</tr>
<tr>
<td>Date Purchase (yyyy-mm-dd):</td>
</tr>
<tr>
<td>Dealer:</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Customer Information</th>
</tr>
</thead>
<tbody>
<tr>
<td>First Name:</td>
</tr>
<tr>
<td>Last Name:</td>
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<table>
<thead>
<tr>
<th>Contact Information</th>
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<tr>
<td>Email:</td>
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</table>

<table>
<thead>
<tr>
<th>Mailing Address</th>
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<tbody>
<tr>
<td>Address:</td>
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<td>Province/State:</td>
</tr>
<tr>
<td>Postal/Zip Code:</td>
</tr>
<tr>
<td>Country:</td>
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</table>

Cut out page, fill information, and mail to Miles Industries Ltd.

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

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

Online Warranty registration at www.valorfiresplaces.com

Thank you for choosing a Valor Product