

URBANA

LUXURY FIREPLACES

U75I-TLS

INSTALLATION MANUAL



Intertek
C#4001609

WARNING: If the information in this manual is not followed exactly, a fire or explosion may result causing property damage, personal injury or loss of life. Installation and service must be performed by a qualified installer, service agency or the gas supplier.

CERTIFIED TO: ANSI Z21.88 / CSA 2.33 VENTED GAS FIREPLACE HEATERS
CSA 2.17 GAS FIRED APPLIANCES FOR HIGH ALTITUDES

C-17404

Safety Precautions



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.**

INSTALLER:

Leave this manual with the appliance.

CONSUMER:

Retain this manual for future reference.

This appliance may be installed in an after-market permanently located, manufactured (mobile) home, where not prohibited by local codes.

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

Only doors certified with the appliance shall be used

Massachusetts installations (Warning): This product must be installed by a licensed plumber or gas fitter when installed within the Commonwealth of Massachusetts. Other Massachusetts code requirements: Flexible connector must not be longer than 36in., a shut off valve must be installed; only direct vent sealed combustion products are approved for bedrooms/bathrooms. A carbon monoxide detector is required in all rooms containing gas fired direct vent appliances. The fireplace damper must be removed or welded in the open position prior to installation of a fireplace insert.

Safety Precautions

FOR SAFE INSTALLATION AND OPERATION OF YOUR “ENVIRO” HEATER, PLEASE CAREFULLY READ THE FOLLOWING INFORMATION:

- All Urbana gas-fired appliances must be installed in accordance with their instructions. Carefully read all the instructions in this manual first. Consult the building authority having jurisdiction to determine the need for a permit prior to commencing the installation.

- **NOTE:** Failure to follow these instructions could cause a malfunction of the fireplace, which could result in death, serious bodily injury, and/or property damage.

- Failure to follow these instructions may also void your fire insurance and/or warranty.

GENERAL

- Installation and repair should be done by a qualified service person. The appliance should be inspected before the first use and, at least, annually by a qualified service person. More frequent cleaning may be required due to excessive lint from carpeting, bedding material, etc. It is imperative the control compartments, burners and circulating air passageways of the appliance be kept clean.

- Due to high temperatures, the appliance should be located out of high traffic areas and away from furniture and draperies.

Children and adults should be alerted to the hazards of high surface temperatures and should stay away to avoid burn or clothing ignition.

- Young children should be carefully supervised when in the same room as the appliance. Toddlers, young children and others may be susceptible to accidental contact burns. A physical barrier is required if there is a risk for 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. Any safety screen, guard, or barrier removed for servicing an appliance must be replaced prior to operating the appliance.

- Clothing or other flammable materials should not be placed on or near the appliance.

- A barrier designed to reduce the risk of burns from the hot viewing glass is provided with this appliance and shall be installed for the protection of children and other at-risk individuals. If the barrier becomes damaged, the barrier shall be replaced with the manufacturer's barrier for this appliance.

FOR YOUR SAFETY

- Installation and service must be performed by a qualified installer, service agency or gas supplier.

- This installation must conform to local codes or, in the absence of local codes, with the National Fuel Gas Code, ANSI Z223.1/NFPA 54, or the Natural Gas and Propane Installation Code, CSA B149.1.

- To prevent injury, do not allow anyone who is unfamiliar with the stove to operate it.

- **To prevent injury, if the pilot or pilot and burners have gone out on their own, open the glass door and wait 5 minutes to air out before attempting to re-light the stove.**

- Always keep the area around these appliances clear of combustible material, gasoline and other flammable liquids and vapours.

- These appliances should not be used as a drying rack for clothing or for hanging Christmas stockings/decorations.

- Due to the paint curing on the stove, a faint odor and slight smoking will likely be noticed when the stove is first used. Open a window until the smoking stops.

Always connect this gas stove to a vent system and vent to the outside of the building envelope. Never vent to another room or inside the building. Make sure the specified vent pipe is used, properly sized and of adequate height to provide sufficient draft. Inspect the venting system annually for blockage and signs of deterioration.

WARNING: Failure to position the parts in accordance with the diagrams in this booklet, or failure to use only parts specifically approved with this appliance, may result in property damage or personal injury.

WARNING: Do not operate with the glass front removed, cracked or broken. Replacement of the glass should be done by a licensed or qualified service person.

- Never use solid fuels such as wood, paper, cardboard, coal, or any flammable liquids, etc., in this appliance.

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

- Do not abuse the glass by striking it or slamming the door shut.

- If the U75I-TLS unit is pulled out of its installation, and the vent-air intake system is disconnected for any reason, ensure that the vent-air intake pipes are reconnected and re-sealed in accordance to the instructions noted in INITIAL INSTALLATION - DIRECT VENT



**HOT GLASS WILL
CAUSE BURNS**

**DO NOT TOUCH GLASS
UNTIL COOLED.**

**NEVER ALLOW CHILDREN
TO TOUCH GLASS.**

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

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Codes And Approvals

DIRECT VENT ONLY: This type is identified by the suffix DV. This appliance draws all of its air for combustion from outside the dwelling, through a specially designed vent pipe system.

This appliance has been tested and approved for installations from 0 feet to 4500 feet (1372 m) above sea level.

In the USA: The appliance may be installed at higher altitudes. Please refer to your American Gas Association guidelines which state: the sea level rated input of Gas Designed Appliances installed at elevations above 2000 (610 m) feet is to be reduced 4% for each 1000 feet (305 m) above sea level. Refer also to local authorities or codes which have jurisdiction in your area regarding the de-rate guidelines.

In Canada: When the appliance is installed at elevations above 4500 feet (1372 m), the certified high altitude rating shall be reduced at the rate of 4% for each additional 1000 feet (305 m).

This appliance has been tested by INTERTEK and found to comply with the established VENTED GAS FIREPLACE HEATER standards in CANADA and the USA as follows:

VENTED GAS FIREPLACE HEATER (U75I-TLS ; NATURAL GAS, PROPANE GAS)

TESTED AND LISTED TO: ANSI Z21.88 /CSA 2.33 VENTED GAS FIREPLACE HEATERS

CSA 2.17 GAS FIRED APPLIANCES FOR HIGH ALTITUDES

CSA P.4.1 TESTING METHOD FOR MEASURING ANNUAL FIREPLACE EFFICIENCY

This ENVIRO U75I-TLS Fireplace:

- Has been certified for use with either natural gas or propane (see rating label).
- Is not for use with solid fuels.
- Is approved for a bedroom or bed sitting room.

IN CANADA: Using the supplied remote control or other thermostat control.

IN USA: see current ANSI Z223.1 for installation instructions.

- Must be installed in accordance with local codes. If none exist, use current installation code CAN/CGA B149.1 in Canada or ANSI Z223.1/NFPA 54 in the USA.
- Must be properly connected to an approved venting system and not connected to a chimney flue serving a separate solid-fuel burning appliance.

IMPORTANT NOTICE (Regarding first fire up): When the unit is turned on for the first time, it should be turned onto high without the fan on (if equipped) for the first 4 hours. This will cure the paint, logs, gasket material and other products used in the manufacturing process. It is advisable to open a window or door, as the unit will start to smoke and can irritate some people. After the unit has gone through the first burn, turn the unit off including the pilot, let the unit get cold then remove the glass door and clean it with a good gas fireplace glass cleaner, available at your local Urbana dealer.

**NATIONAL
FIREPLACE
INSTITUTE®**



CERTIFIED

www.nficertified.org

We recommend that our gas hearth products be installed and serviced by professionals who are certified in the U.S. by the National Fireplace Institute® (NFI) as NFI Gas Specialists.

Specifications

DIMENSIONS

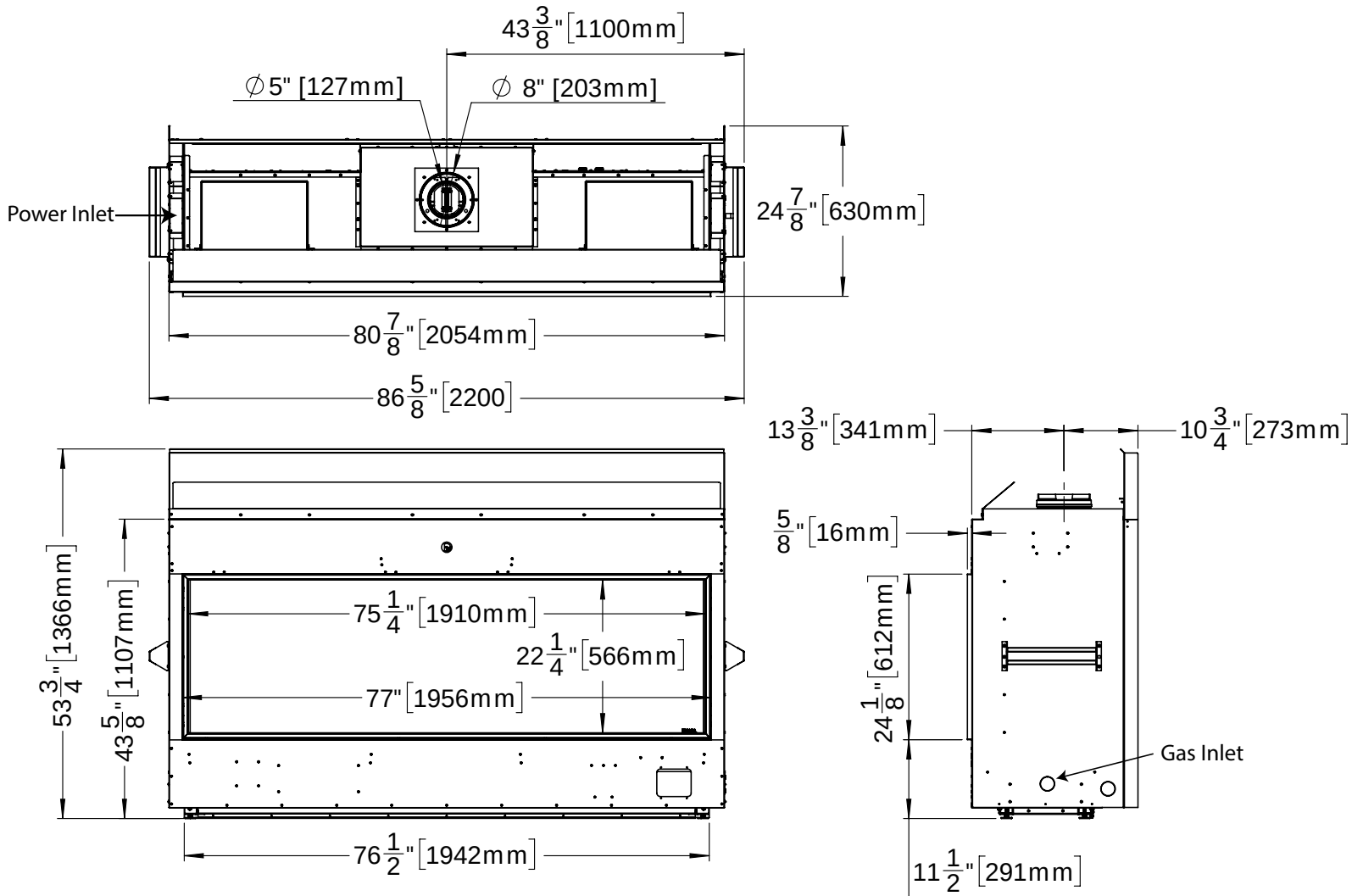


Figure 1: Unit Dimensions

RATING LABEL & LIGHTING INSTRUCTIONS LOCATION

Remove the screen and trim cover plate to access the rating label and lighting instructions. The plates are attached to a length of chain and are never to be tampered with or removed. All important information for your fireplace is on this label as well of the model specific serial number which you will need for warranty information. The plates are located back side of the front bottom cabinet, on the left side near the center.

Operating Instructions

For Your Safety, Read Safety Precautions And Lighting Instructions Before Operating

WARNING: IF YOU DO NOT FOLLOW THESE INSTRUCTIONS EXACTLY A FIRE OR EXPLOSION MAY RESULT, CAUSING PROPERTY DAMAGE, PERSONAL INJURY OR LOSS OF LIFE.

LIGHTING INSTRUCTIONS

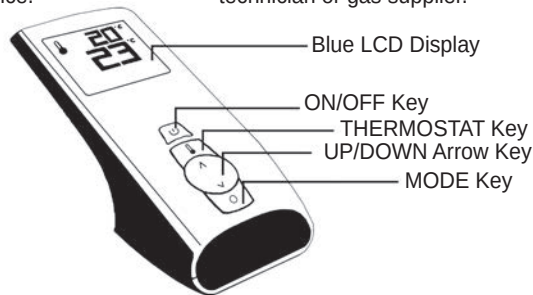
FOR YOUR SAFETY READ BEFORE OPERATING

WARNING: IF YOU DO NOT FOLLOW THESE INSTRUCTIONS EXACTLY, A FIRE OR EXPLOSION MAY RESULT CAUSING PROPERTY DAMAGE, PERSONAL INJURY OR LOSS OF LIFE.

- A. This appliance is equipped with an ignition device which automatically lights the pilot. Do not try to light the pilot by hand.
- B. BEFORE OPERATING smell all around the appliance area for gas. Be sure to smell next to the floor because some gas is heavier than air and will settle on the floor.
- WHAT TO DO IF YOU SMELL GAS:
- Do not try to light any appliance.
 - Do not touch any electrical switch; do not use any phone in your building.
 - Immediately call your gas supplier from a neighbor's phone. Follow the gas supplier's instructions.
 - If you cannot reach your gas supplier, call the fire department.
- C. Use only your hand to push in or turn the gas control knob. Never use tools. If the knob will not push in or turn by hand, don't try to repair it, call a qualified service technician. Force or attempted repair may result in a fire or explosion.
- D. Do not use this appliance if any part has been under water. Immediately call a qualified service technician to inspect the appliance and to replace any part of the control system and any gas control which has been under water.

OPERATING INSTRUCTIONS

1. STOP! Read the safety information above on this label.
2. Read the owner's manual including the section on "Remote Control" operation.
3. Set the thermostat to the lowest setting.
4. Turn off all electric power to the appliance.
5. Do not attempt to light the pilot by hand.
6. 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.
7. Turn on all electric power to the appliance.
8. Using the remote control, set thermostat to desired setting, or press the ON/OFF key on the remote. "ON" will be indicated on the display of the remote and an audible "beep" will be heard at the unit to indicate the command has been received.
9. This appliance is equipped with a completely automatic ignition and lighting control. The control will attempt to light the pilot several times if necessary. If it is unsuccessful, it will discontinue operations. If the appliance will not operate, follow the instructions "To Turn Off Gas To Appliance" and call your service technician or gas supplier.



TO TURN OFF GAS TO APPLIANCE

1. Set thermostat to lowest setting, or press the ON/OFF Key. "OFF" will be indicated on the display and an audible "Beep" will be heard at the unit to indicate the command has been received.
2. Turn off all electric power to the appliance if service is to be performed.

C-12455

Figure 2: Lighting Instruction Label

Operating Instructions

AIR SHUTTER (VENTURI)

The air shutter plays a very important role in flame appearance and combustion quality. The shutter adjusts how much air gets mixed with the gas before it ignites. Adjustments can be made to accommodate various climates and vent configurations.

To gain access to the air shutter, remove the safety screen, first, then remove the side trims and lower trim. There are **two** levers underneath the firebox close to the center. Pushing in the levers will close off the air mixing with the gas and make the flames appear more yellow and tall. Pulling the levers out will open up the shutter allowing more air to be mixed with the incoming gas; this will make the flames appear more blue and short.

Adjust the air shutters individually as the setting may need to be different between the two.

Typically natural gas flames will require the shutter to be more closed.

Typically LP flames will require the shutter to be more open.

If you cannot attain the proper flame by making air shutter adjustments then you may have the incorrect exhaust restrictor.

If the flame is very flickery, fast moving, and low then increase the restriction.

If the flame is very tall, lazy, and dirty then decrease the restriction.

More details can be found in the venting section of this manual.

Caution: Wear heat resistant gloves when making adjustments to the air shutter. Perform adjustments after 20 minutes.

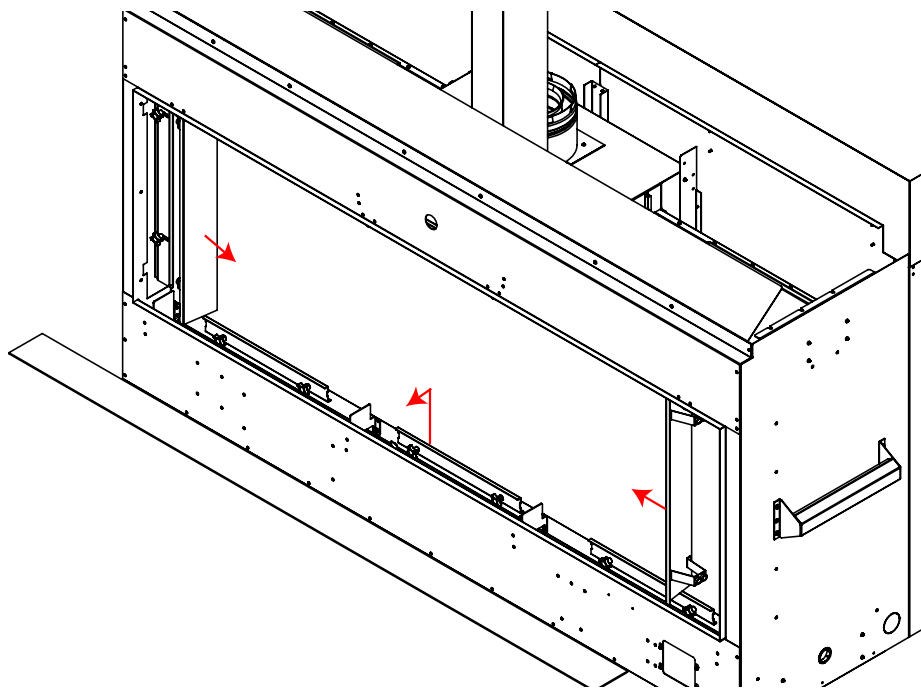


Figure 3: Air shutter adjustment lever

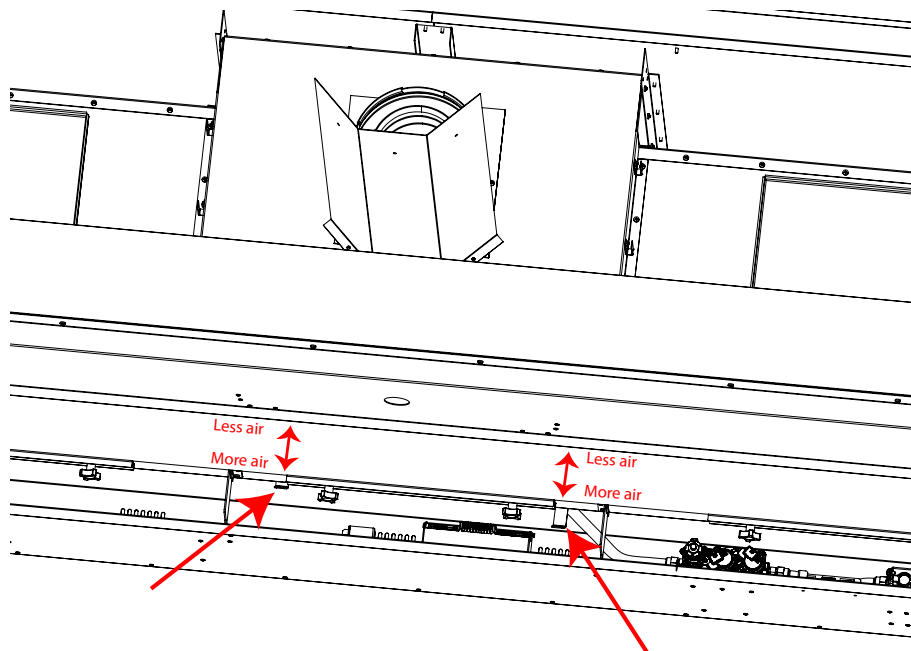


Figure 4: Air shutter adjustment lever

Operating Instructions

NORMAL SOUNDS DURING OPERATION

Table 1: Normal Sounds

Component	Sound & Reason
Main Unit	Creaking when heating up or cooling down.
Burner	Light pop or poof when turned off; this is more common with LP units.
Temperature Sensor	Clinking when it senses to turn the blower on or off.
Pilot Flame	Quiet whisper while the pilot flame is on.
Gas Control Valve	Dull click when turning on or off, this is the valve opening and closing.

REMOTE CONTROL OPERATIONS

Proflame 2 is a modular remote control system that directs the functions of the U75I-TLS. The Proflame 2 transmitter (remote) is configured to control the on/off main burner operation, its flame levels and provides on/off and thermostatic control of the appliance. The system also controls the optional fan speed through six (6) levels and can control the operation of the optional light kit.

SYSTEM DESCRIPTION

The Proflame 2 Remote Control System consists of two (2) elements:

1. Proflame 2 Transmitter.
2. Integrated Fireplace Controller (IFC) and wiring harness to connect to the gas valve, stepper motor battery holder, and convection fan.

ATTENTION!

- TURN "OFF" THE MAIN GAS SUPPLY OF THE APPLIANCE DURING INSTALLATION OR MAINTENANCE OF THE IFC.
- TURN "OFF" MAIN GAS SUPPLY TO THE APPLIANCE PRIOR TO REMOVING OR REINSERTING THE BATTERIES IN THE BATTERY HOLDER

TECHNICAL DATA

Transmitter (Remote Control):

Supply voltage: 4.5 V (three 1.5 V AAA batteries)
Radio frequency: 315 MHz

Integrated Fireplace Controller (IFC):

Supply voltage: AC IN - 120 V / 60 Hz
Battery Backup IN - 6 Vdc - 200mA (four 1.5 V AA batteries)
Spark voltage / frequency: >10kV / 1Hz
Comfort modulating fan: 120 V / 60 Hz / 2A
Auxiliary: 120 V / 60 Hz / 5A

Operating Instructions

TRANSMITTER

The Proflame 2 Transmitter is a black remote control with a blue backlit lcd display. It uses a streamline design with a simple button layout and informative lcd readout (Figure 5). The Transmitter is powered by three (3) AAA type batteries. A Mode Key is provided to Index between the features and a Thermostat Key is used to turn on/off or index through Thermostat functions (Figure 5 & Figure 6)



Figure 5: Proflame 2 Transmitter.

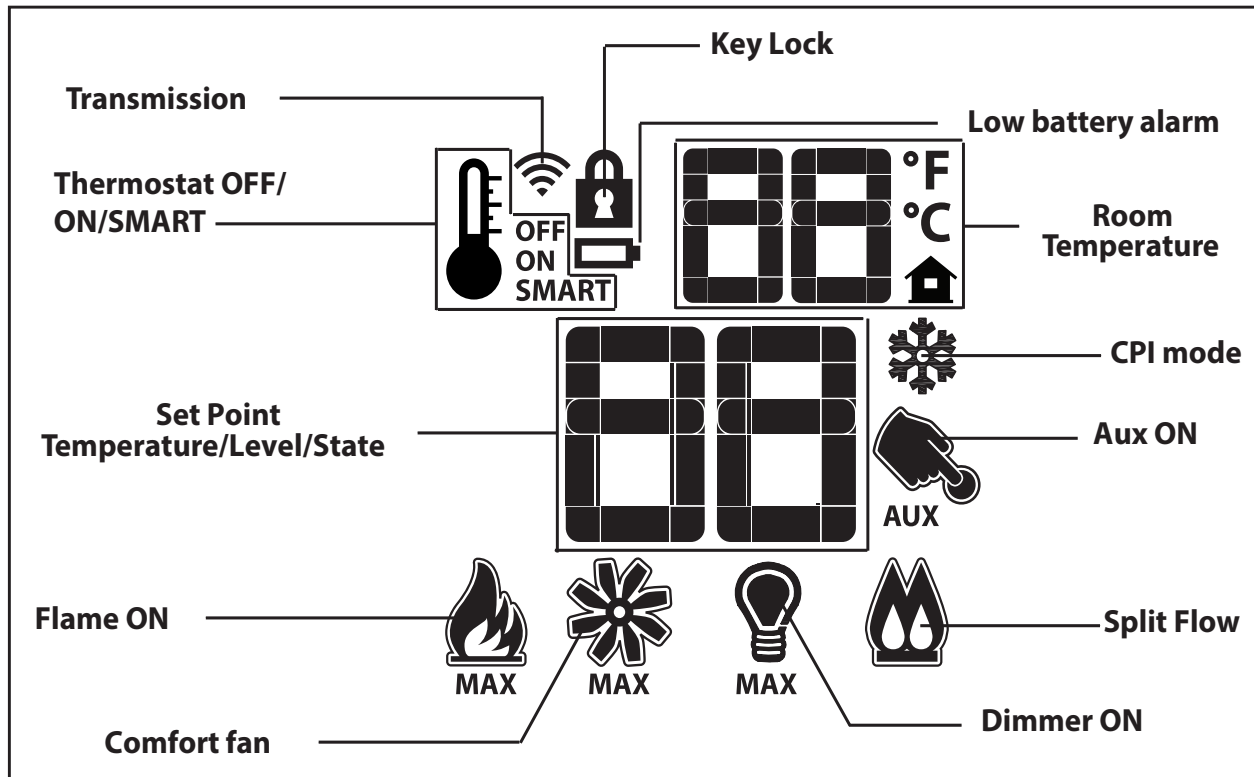


Figure 6: Proflame 2 Transmitter LCD Screen.

Operating Instructions

INTEGRATED FIREPLACE CONTROLLER (IFC)

The Proflame 2 IFC (Figure 7) connects directly to the gas valve, stepper motor, pilot with a wiring harness. The IFC is mainly powered by 120 VAC but can also run off a battery backup four (4) AA type batteries for shorter periods of time. The IFC accepts commands via radio frequency from the Transmitter to operate the appliance in accordance with the particular Proflame 2 system configuration. The IFC has a red reset button at the front right corner that is used to synchronize the Transmitter when using the for the first time, or after the batteries have been replaced.

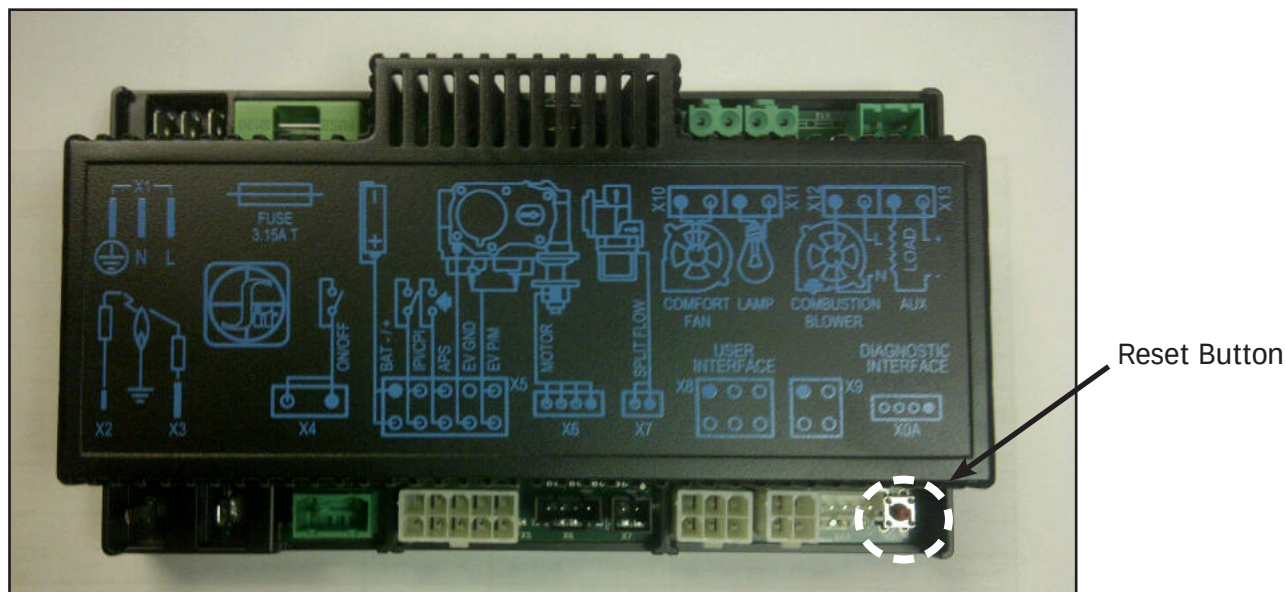
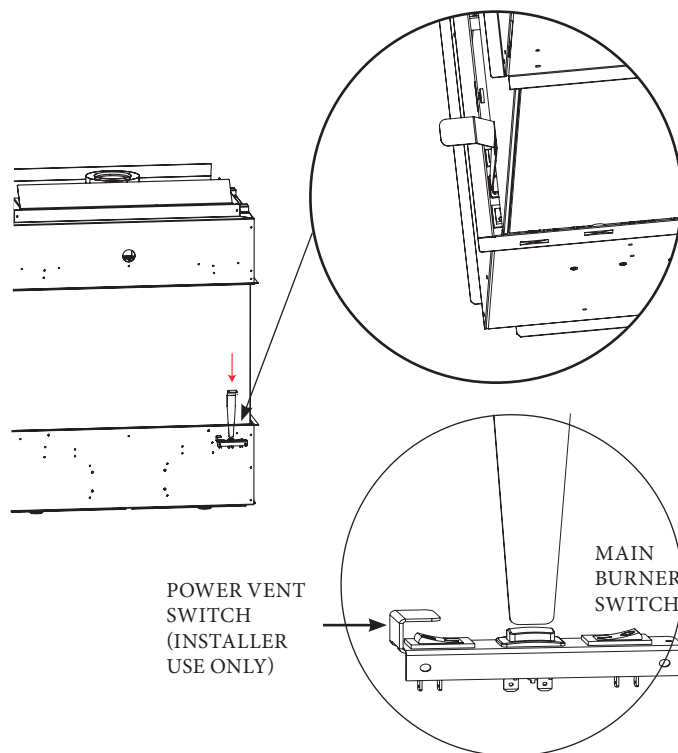


Figure 7: Integrated Fireplace Controller

The remote should be synced to your fireplace by your installer during installation.

your remote may gradually lose its RF connection strength over time. Re sync the remote if this happens or if the batteries have been changed. Re sync remote as follows:

1. Locate the switch tool supplied with your fireplace (see Photo).
2. locate the hidden switch panel mounted on the inner fireplace cabinet underneath the trim bezel.
3. Use the tool to press the middle switch. you will hear 3 beeps from IFC.
4. On hearing the 3 beeps, press the ON/OFF key on your remote; you will hear 3 more beeps to acknowledge successful remote syncing.
5. Press the ON/OFF key again to turn off the remote. the remote is now ready to use.



Operating Instructions

OPERATING PROCEDURE

Initializing The System For The First Time

Install the four (4) AA batteries into the IFC battery holder. Note the polarity of the battery and insert into the battery bay as indicated on the body of the battery holder. Press the reset button on the switch panel (see Figure 7).

The IFC will "beep" three (3) times to indicate that it is ready to synchronize with a Transmitter. Install the three (3) AAA type batteries in the Transmitter battery bay, located on the base of the Transmitter. With the batteries already installed in the Transmitter, push the 'ON' button. The IFC will "beep" four (4) times to indicate the Transmitter's command is accepted and sets to the particular code of that Transmitter. The system is now initialized.

Temperature Indication Display

With the system turned OFF, press the Thermostat Key and the Mode Key at the same time. Look at the LCD screen on the transmitter to verify that a °C or °F is visible to the right of the Room Temperature display (see Figure 8).

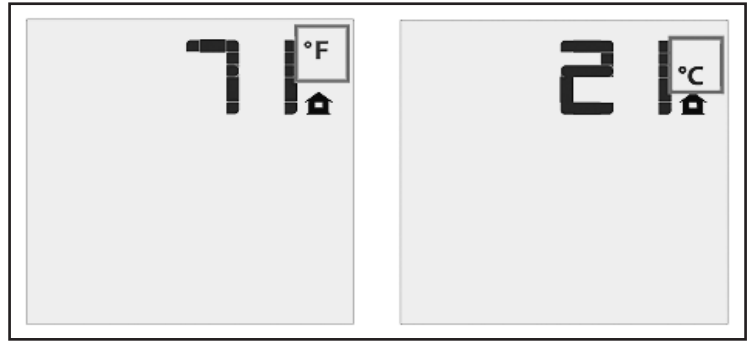


Figure 8: Remote Control Display in Fahrenheit and Celsius.

Turn on the Appliance

Press the ON/OFF Key on the Transmitter. The

Transmitter display will show all active Icons on the screen. A single "beep" from the IFC will confirm reception of the command and will commence to first ignite the pilot light, followed by the main burner. This should take about 10 seconds to complete.

SWITCHING TO CONTINUOUS PILOT MODE

When the U75I-TLS is turned off press the mode key to index to the constant pilot (CPI) mode icon (see Figure 9). Pressing the up arrow key will select Continuous Pilot Ignition (CPI) and pressing the down arrow key will return to IPI. Once a selection is made the IFC will beep once to confirm it had received the command. **NOTE: It is recommended to use the continuous pilot mode during the winter when the outside temperature is below 50°F (10°C) to keep the chimney properly heated for updraft during burner ignition.** Continuous pilot mode also keeps the firebox warm which eliminates both heat loss to cold air that is trapped inside the firebox as well as excessive exhaust vapour condensation on the door glass.

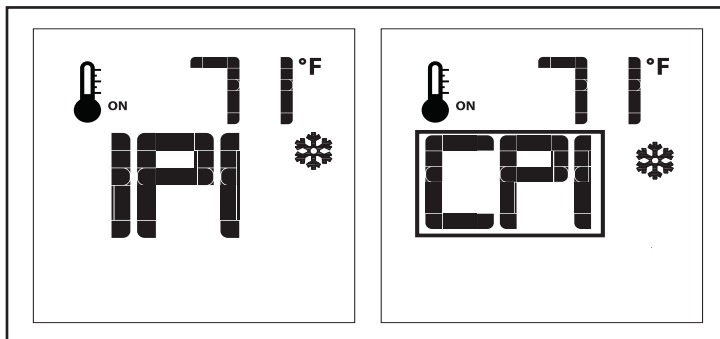
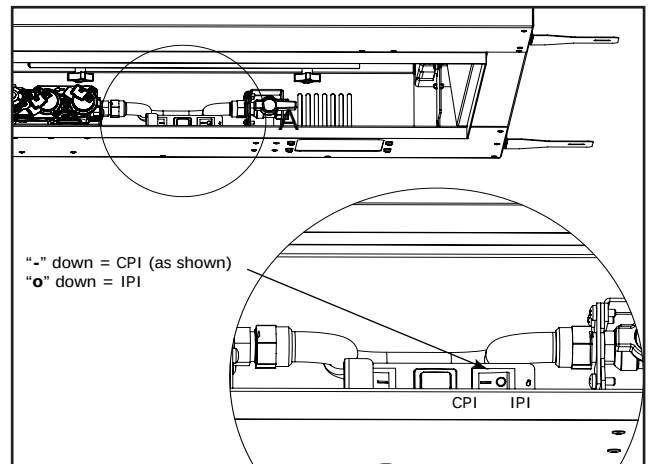


Figure 9: CPI Pilot Mode.



IPI/CPI Switch

This fireplace has a manual override IPI/CPI switch located behind the surround panel at the front bottom right of the fireplace. The default position of the switch from the factory is IPI. To put the fireplace into CPI mode, toggle the switch to the CPI position. The fireplace will not be capable of CPI mode with the switch in the IPI position. The switch can be left in the CPI position indefinitely and the fireplace can still be adjusted back to IPI via the remote control as described in the section above.

Operating Instructions

Turn off the Appliance

Press the ON/OFF Key on the Transmitter. The Transmitter LCD display will only show the room temperature and Icon (see Figure 10). A single "beep" from the IFC confirms reception of the command and both the pilot light (if the unit is not set to continuous pilot) and main burner will turn off.

Room Thermostat (Transmitter Operation)

The Remote Control can operate as a room thermostat. The thermostat can be set to a desired temperature to control the comfort level in a room. To activate this function, press the Thermostat Key (see Figure 5). The LCD display on the Transmitter will change to show that the room thermostat is "ON" and the set temperature is now displayed (see Figure 10). To adjust the set temperature, press the Up or Down Arrow Keys until the desired set temperature is displayed on the LCD screen of the Transmitter.

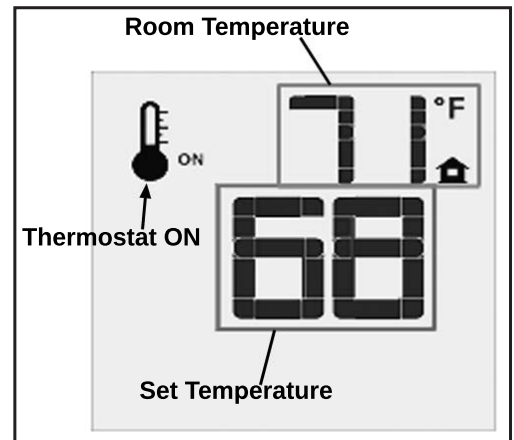


Figure 10: Remote Control Displays Set Temperature.

Smart Thermostat (Transmitter Operation)

The Smart Thermostat function adjusts the flame height in accordance to the difference between the set point temperature and the actual room temperatures. As the room temperature gets closer to the set point the Smart Function will modulate the flame down. To activate this function, press the Thermostat Key (Figure 4) until the word "SMART" appears to the right of the temperature bulb graphic (Figure 11). To adjust the set temperature, press the Up or Down Arrow Keys until the desired set temperature is displayed on the LCD screen of the Transmitter.

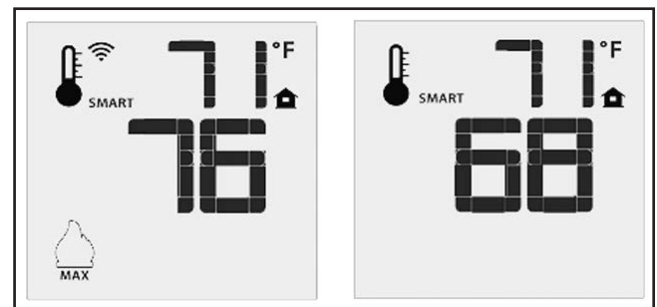


Figure 11: Remote Control's Smart Flame Function.

Remote Flame Control

The Proflame 2 remote control system has six (6) flame levels. With the system on, and the flame level at the maximum in the appliance, pressing the Down Arrow Key once will reduce the flame height by one step until the flame is turned off. The Up Arrow Key will increase the flame height each time it is pressed. If the Up Arrow Key is pressed while the system is on but the flame is off, the flame will come on in the high position. A single "beep" will confirm reception of the command.

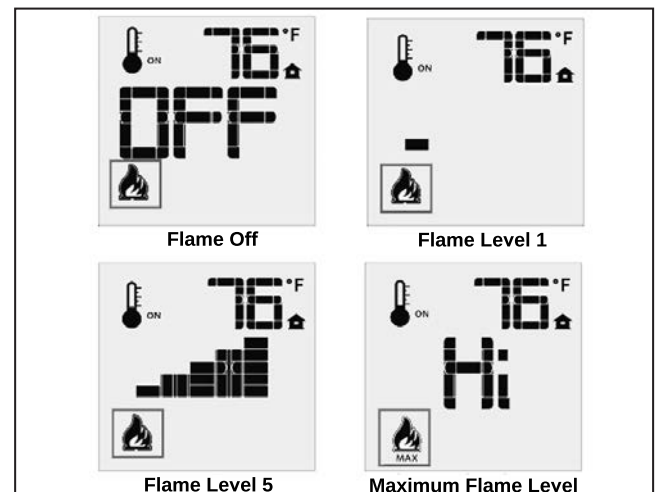


Figure 12: Remote Control's Flame Levels.

Aux Control

This function is not used on the U75I-TLS and can be disregarded.

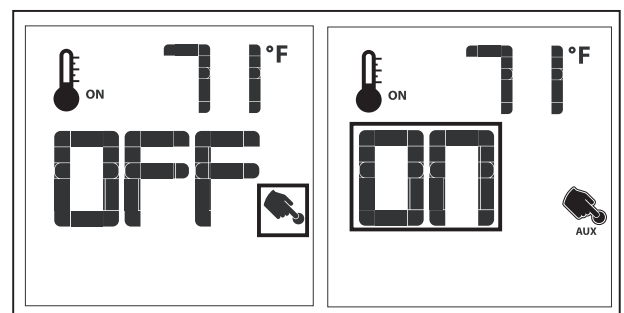


Figure 13: Aux Control

Operating Instructions

Top Light & Dimmer Control

The U75I-TLS has 2 top lights. Press the mode key until the light bulb symbol is visible (Figure 14). This turns the lights on and off as well as adjust 6 dimming levels.

Key lock

This function will lock the keys to avoid unsupervised operation. To activate this function, press the Mode and UP keys at the same time and a lock will appear (see Figure 15). To de-activate this function, press the Mode and UP Keys at the same time.

Low Battery Power Detection

Transmitter: The life span of the remote control batteries depends on various factors: quality of the batteries used, the number of ignitions of the appliance, the number of changes to the room thermostat set point etc. When the Transmitter batteries are low, a Battery Icon will appear on the LCD display of the Transmitter (see Figure 16) before all battery power is lost. When the batteries are replaced this icon will disappear.

IFC: The life span of the IFC batteries depends on various factors during a prolonged power outage: quality of the batteries used, the number of ignitions of the appliance, the number of changes to the room thermostat set point etc. When the IFC batteries are low, No "beep" will be emitted when it receives an On/Off command from the Transmitter. This is an alert for a low battery condition for the IFC. When the batteries are replaced the "beep" will be emitted from the IFC when the ON/OFF Key is pressed (See INITIALIZING THE SYSTEM FOR THE FIRST TIME).

Battery Backup

In the event of a power outage the fireplace will still be able to operate the main burners via a four AA battery backup. The battery backup is located behind the surround panel at the front bottom right of the fireplace. The plastic battery holder simply slides out from the steel sleeve attached to the fireplace cabinet. The battery holder can be fully removed from the fireplace by disconnecting the low voltage battery snap wires. Batteries should be checked annually to confirm they are still functional. Replace as needed.

Note - Top lights will not be operational when the fireplace is operating on battery backup.

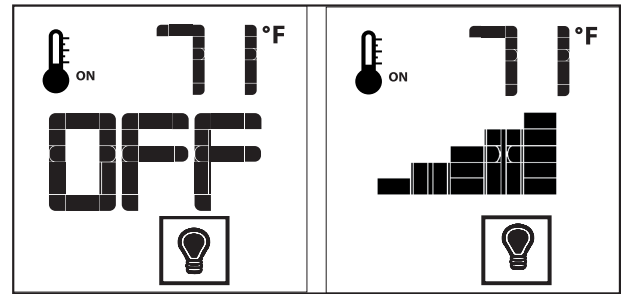


Figure 14: Dimmer Control

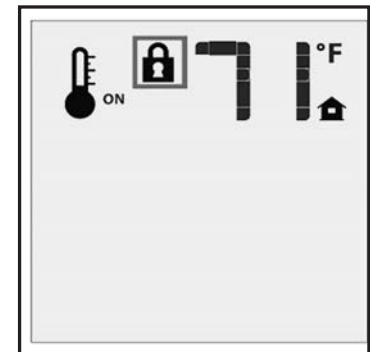


Figure 15: Key Lock

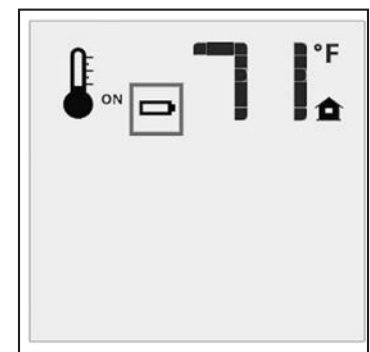


Figure 16: Low Battery

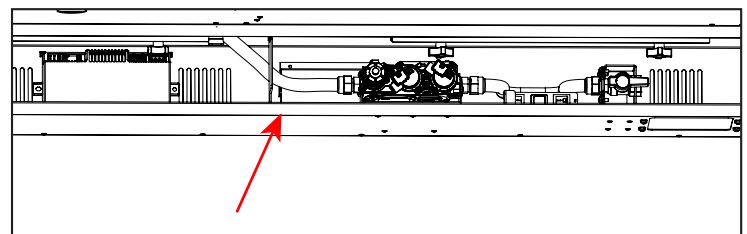


Figure 17: Battery Backup

WARNING: Fire Hazard. Can cause severe injury or death. The Transmitter causes ignition of the appliance. The appliance can turn on suddenly. Keep away from the appliance burner when operating the remote system.

WARNING: Shock Hazard. Can cause severe injury or death. This device is powered by line voltage. Do not try to repair this device. In no way is the enclosure to be tampered with or opened. Disconnect from line voltage before performing any maintenance.

CAUTION: Property Damage Hazard. Excessive heat can cause property damage. The appliance can stay lit for many hours. Turn off the appliance if it is not going to be attended for any length of time. Always place the Transmitter where children cannot reach it.

Maintenance And Service

ROUTINE MAINTENANCE

At least once a year, run through the following procedures to ensure the system is clean and working properly. Check the burner to see if all the ports are clear and clean. Check the pilot to make sure it is not blocked by anything. The pilot flame should be blue with little or no yellow on the tips.

Warning: Clearances must be sufficient to allow access for maintenance and service.

Warning: Failure to position the parts in accordance with this manual, or failure to use only parts specifically approved with this appliance may result in property damage or personal injury.

The venting system must be periodically examined; it is recommended the examination is done by a qualified agency.

CLEANING THE GLASS

When the fireplace has cooled, remove the safety screen and front glass. See MAINTENANCE AND SERVICE - FRONT GLASS REMOVAL. Check the gasket material on the firebox, making sure that it is attached and intact.

During a cold start up, condensation will sometimes form on the glass. This is a normal condition with all fireplaces. However, this condensation can allow dust and lint to cling to the glass surface. Initial paint curing of the appliance can leave a slight film behind the glass, a temporary problem. The glass will need cleaning about two weeks after installation. **Use a mild glass cleaner and a soft cloth. Abrasive cleaners will damage the glass and painted surfaces.** Depending on the amount of use, the glass should require cleaning no more than two or three times a season. **Do not clean the glass when it is hot.**

CLEANING THE FIREBOX

Remove the logs carefully, as they are very fragile. Gently remove all the media and place on a paper towel. Vacuum the bottom of the firebox thoroughly. Carefully clean any dust off the logs and remove any lint from the burner and pilot. At this time, inspect the burner tube for cracking or severe warping. If a problem is suspected, contact the dealer. Check the logs for deterioration or large amounts of soot; a small amount on the bottom side of the logs is normal. Replace the logs as shown in the SECONDARY INSTALLATION - LOG SET INSTALLATION section. If new/more media is required, contact your nearest Urbana dealer.

REPLACING THE GLASS

The glass in the fireplace is a high temperature ceramic. If the glass is damaged in any way, a factory replacement is required (see PARTS LIST). Wear gloves when handling damaged glass door assembly to prevent personal injury. Do not operate with the glass front removed, cracked or broken. Removal and replacement of the glass from the door **must** be done by a licensed or qualified service person. **The glass must be purchased from an Urbana dealer. No substitute materials are allowed.**

Maintenance And Service

CLEANING DECORATIVE SURFACES

Painted and porcelain faces should be wiped with a damp cloth periodically. If a plated face has been purchased, it should be unpacked/unwrapped carefully to avoid getting anything on the surface of the finish, including cleaners, polish and finger prints. It is important to note that fingerprints and other marks can leave a permanent stain on plated finishes. **To avoid this, give the face a quick wipe with denatured alcohol on a soft cloth BEFORE lighting the fireplace.** Never clean the face when it is hot. Do not use other cleaners as they may leave a residue, which can become permanently etched into the surface.

SAFETY SCREEN

A safety screen is supplied from the manufacture to protect its users from the dangers of the hot glass preceding it. There are magnets on top of the fireplace opening hold the safety screen top into position and rubber feet at the screen bottom to secure the bottom. In order to remove the safety screen, grab the inside of the upper frame using the supplied tool and pull top out, then lift up from fireplace bottom trim. as shown

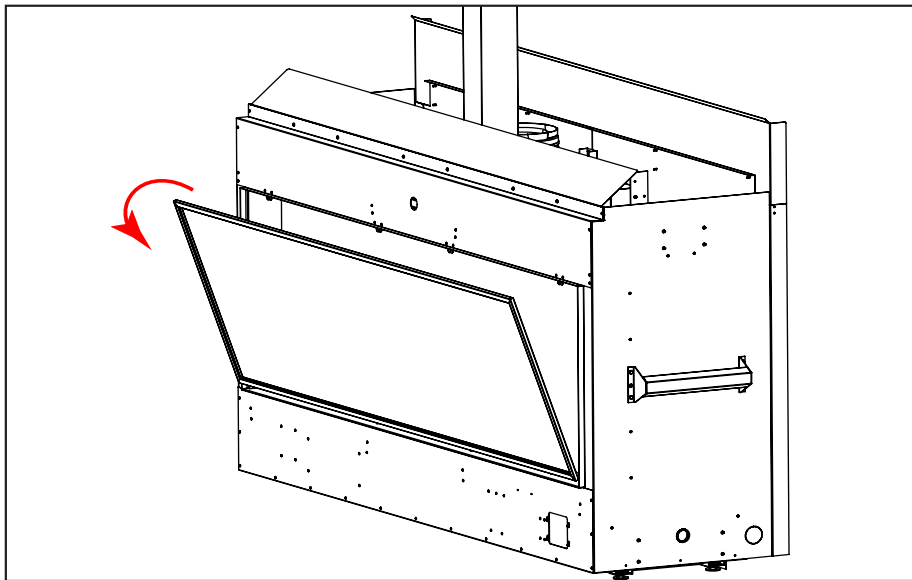
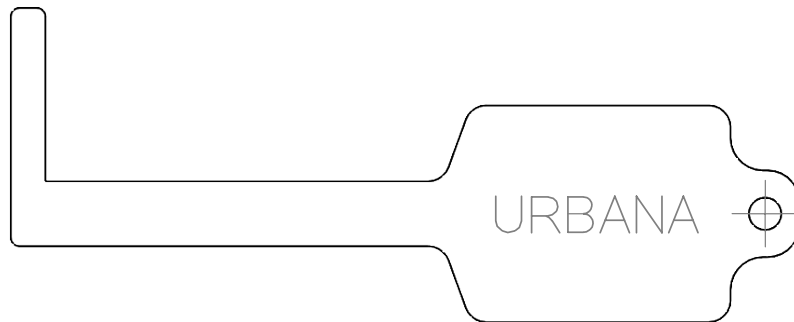


Figure 18: Safety Screen Removal



Maintenance And Service

FRONT GLASS REMOVAL

First, remove the safety screen. There are hand knobs on 4 sides of the glass holding the glass on the firebox. To remove the front glass, turn the hand knobs counter clock wise to loosen them. Sliding the side clamps outwards, and top clamps right-up-left to clear the glass. (see figure 20).

Attach suction cups to the glass ensuring string engagement. Allow glass fall forward some, then lift glass up until bottom is higher than fireplace edge.

Swing glass bottom outward, removing it from the unit.

WARNING: Glass is heavy, use at least 2 suction cups to remove the glass.

WARNING: Do not touch or attempt to remove the glass door if the fireplace is not completely cold.

WARNING: Never operate the fireplace with the glass door removed.

MAKE SURE all the retainer clamps are in final position during assembly for even sealing pressure.

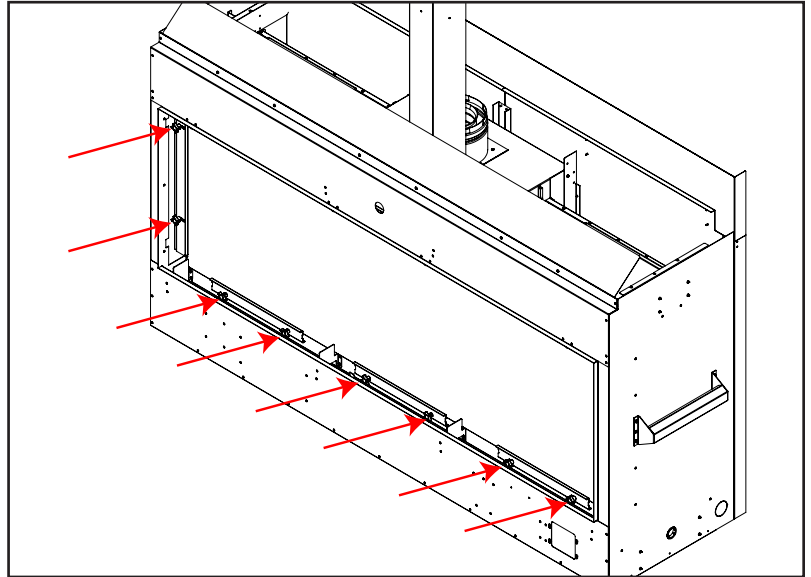


Figure 19: Door Removal Motion

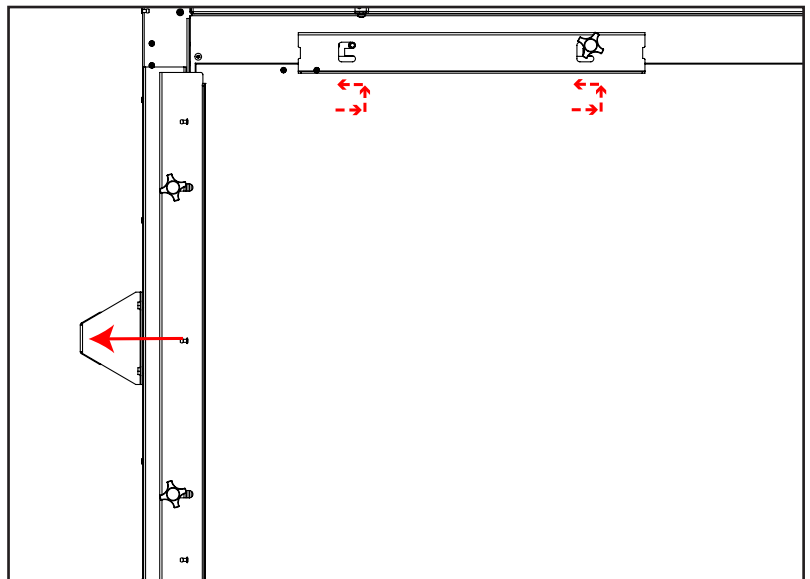


Figure 20: Door Removal Motion

Maintenance And Service

BURNER REMOVAL

The burner will need to be removed for maintenance and fuel conversion. Follow the procedure carefully. **Proceed only when the unit has completely cooled down.**

1. Remove the safety screen as shown in MAINTENANCE AND SERVICE - SAFETY SCREEN REMOVAL.
2. Remove the glass door as shown in the MAINTENANCE AND SERVICE - FRONT GLASS REMOVAL.
3. Remove log set.
4. Remove any media from the media tray.
5. Remove ten T-20 screws securing the media tray, see Figure 21, then lift the media tray straight up and pull it out of the fire box.

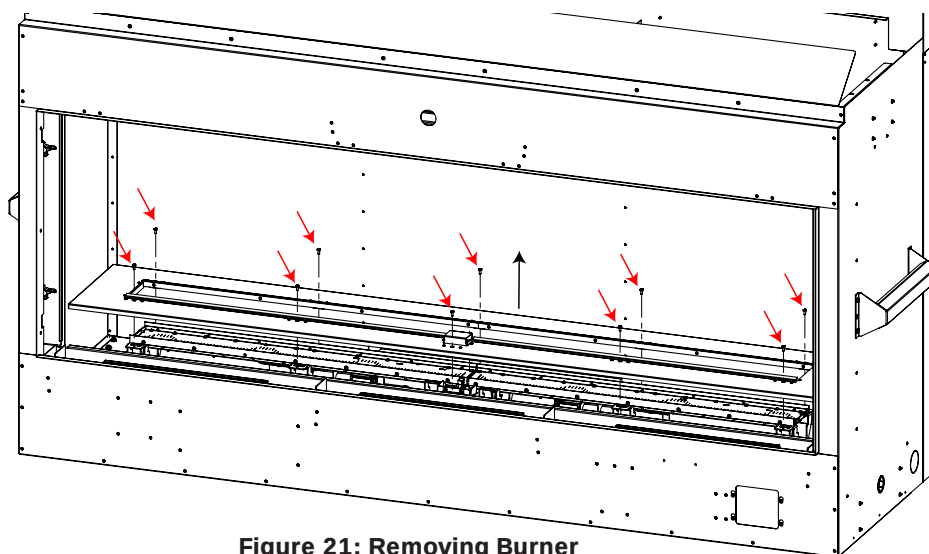


Figure 21: Removing Burner

6. Remove the six T-20 screws securing the each side of burner pan as shown in Figure 22; do NOT remove the other T-20 screws. Once the specified screws are removed slide the left burner to the left and lift out to remove. Slide the right burner to right and lift out to remove.

To re-install the burners follow the steps above in reverse. When placing the burners back in the unit be sure to not move the air shutters. **Make sure the burners are slid in and the mounting holes are lined up. Do not over tighten the burner screws or they might strip; just get them snug.**

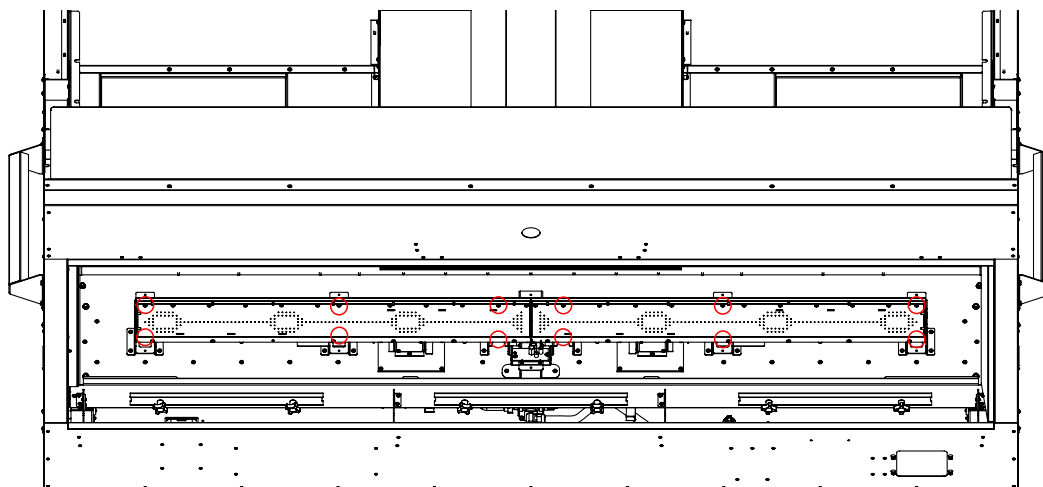


Figure 22: Removing Burner

Maintenance And Service

FUEL CONVERSION

TO BE INSTALLED BY A QUALIFIED SERVICE AGENCY ONLY

Please read and understand these instructions before installing.

Warning: This conversion kit shall be installed by a qualified service agency in accordance with the manufacturer's instructions and all applicable codes and requirements of the authority having jurisdiction. If the information in these instructions is not followed exactly, a fire, explosion or production of carbon monoxide may result causing property damage, personal injury or loss of life. The qualified service agency is responsible for the proper installation of this kit. The installation is not proper or complete until the operation of the converted appliance is checked as specified in the manufacturer's instructions supplied with the kit.

FUEL CONVERSION

Kit Parts List for U75I-TLS Model:

- | | |
|--|---|
| 2 - Orifice (NG - #32 DMS or LP - #51 DMS) | 2 - Conversion labels |
| 1 - Installation instruction sheet | 1 - Pilot Orifice (NG: 0.2) or (LP: 0.14) |
| 1 - Stepper regulator with hardware | |

Carefully inspect all parts supplied with this conversion kit. If any parts have been damaged or are missing, contact your dealer, distributor or courier company to have them replaced before starting this installation.

Conversion Kit Installation:

1. Turn the unit off by pressing the ON/OFF Key on the remote and shut off gas supply at the shut-off valve upstream of the unit. **CAUTION: The gas supply must be shut off prior to disconnecting the electrical power and before proceeding with the conversion. Allow the valve and unit to cool down to room temperature.**
2. Remove Safety Screen and the front glass as shown in the MAINTENANCE AND SERVICE - FRONT GLASS REMOVAL section of this manual.
3. Carefully remove any media and logs.
4. Remove the burner as shown in the MAINTENANCE AND SERVICE - BURNER REMOVAL section of this manual.
5. Convert the pilot injector:
 - a. Using a $\frac{7}{16}$ " wrench, loosen the pilot head counter clockwise and fully remove.
 - b. Remove the existing orifice and replace with the one supplied in the kit (Figure 23), bell end down.
 - c. Re-install the pilot head and tighten until it is back in the proper position (Figure 24).
6. Convert the burner orifices:
 - a. Remove the main burner orifices with a $\frac{3}{8}$ " deep socket.
 - b. Put a bead of pipe-thread sealant into the orifice mount, install orifice from kit. DO NOT OVER-TIGHTEN.



Figure 23: Pilot Orifice



Figure 24: Proper Pilot Position

Maintenance And Service

7. Convert the SIT gas valve (see Figure 26):
 - a. Locate the gas valve directly underneath the front of the firebox and remove the existing stepper motor using a T20 Screwdriver [A & B].
 - b. Remove the rubber diaphragm and spring [C] within; Do not reuse.
 - c. Install the new stepper motor with integrated diaphragm assembly [D & E] using the longer T20 screws supplied [F].
 - d. Adhere the supplied SIT conversion label [G] to the valve body.
 - e. plug the new stepper motor into the X6 port of the IFC.
8. Re-Install the burners, media, logs (optional) and front glass. Also refer to the SECONDARY INSTALLATION section in the Owner's Manual. Reconnect the main gas line if it was disconnected and open the shut-off valve at the gas line to the unit.
9. Reconnect the electrical power to the unit.
10. Use a small brush to apply a warm soapy water solution to all gas connections (use a half dish soap and half warm water). If a gas leak is present, bubbling will occur. Gas leaks can be repaired by using an approved pipe thread sealant or approved Teflon tape. NEVER USE AN OPEN FLAME WHEN TESTING FOR LEAKS.
11. Relight the pilot and confirm the flame properly covers the flame sensor hook (see Figure 25). Should the pilot require adjustment, turn the adjustment screw clockwise to decrease or counterclockwise to increase until the correct flame is achieved.
12. Relight the main burner in both the "HI" and "LO" positions to verify proper burner ignition, operation and proper flame appearance. Confirm the inlet and manifold pressures are within the acceptable ranges as directed in section INTIAL INTALLATION - GAS LINE CONNECTION AND TESTING. If the unit has been installed at an altitude higher than 2000ft (610m) it is required to de-rate the unit accordingly:

In the USA: The appliance may be installed at higher altitudes. Please refer to your American Gas Association guidelines which state: the sea level rated input of Gas Designed Appliances installed at elevations above 2000 (610 m) feet is to be reduced 4% for each 1000 feet (305 m) above sea level. Refer also to local authorities or codes which have jurisdiction in your area regarding the de-rate guidelines

In Canada: When the appliance is installed at elevations above 4500 feet (1372 m), the certified high altitude rating shall be reduced at the rate of 4% for each additional 1000 feet (305 m).

13. MAKE SURE that the conversion label is installed on or close to the rating label to signify that the unit has been converted to a different fuel type.

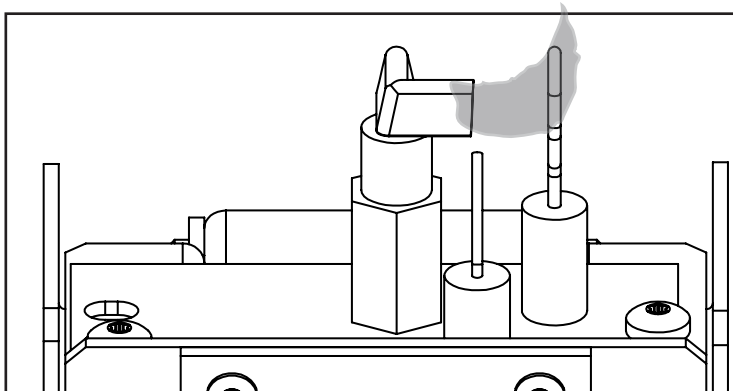


Figure 25: Flame Sensor Coverage

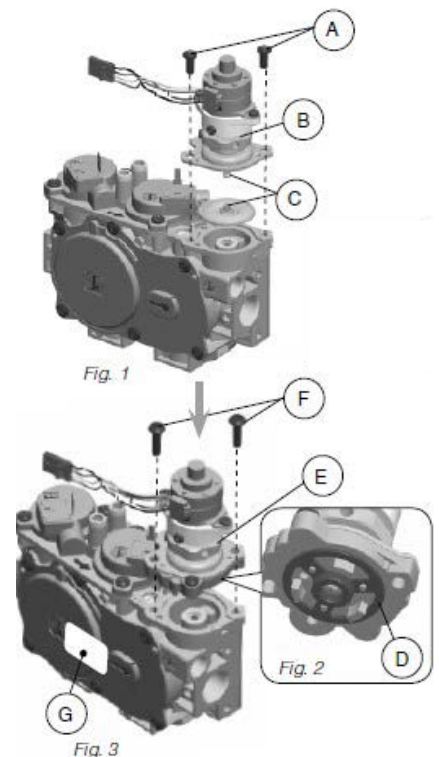


Figure 26: 885 Gas Valve

Initial Installation

QUALIFIED INSTALLERS ONLY

INTRODUCTION

This section of the owner's manual is for the use of qualified technicians only. Fireplace placement, hearths, facing, mantels, and venting terminations will be covered, as well as the gas and electric systems. There are several installation safety guidelines that must be adhered to. Please carefully read the safety precautions at the front of this manual.

- Remove the packaging from the appliance, and check to make sure there is no damage. If damage is found, please report it to both the carrier and your dealer as soon as possible.
- Locate a position where the flue system of the stove can be properly installed without damaging the integrity of the building; e.g. cutting a wall or ceiling joist.
- Check stove and flue system clearance requirements.
- Locate the stove in a position so a gas supply line can be run to it.
- The fireplace may need an electrical connection depending on the options added.
- Locate the stove in a large and open room that is centrally located in the house. This will optimize heat circulation and comfort.
- The flow of combustion and ventilation air must not be obstructed.

UNIT INSTALL PREPERATION

Take a minute to familiarize yourself with Figure 26 below.

- The side framing standoffs for this unit also double as handles for positioning and lifting.
- The nailing flanges secure the unit to the framing, these can be turned 180 to allow for a 1/2in shallower framing depth.

HEAT SHIELD INSTALLATION

The U75I fireplace is supplied with a set of heat shields that are mandatory for all installation.

See figure 28 using supplied screws to fasten front and back heat shields on the unit.

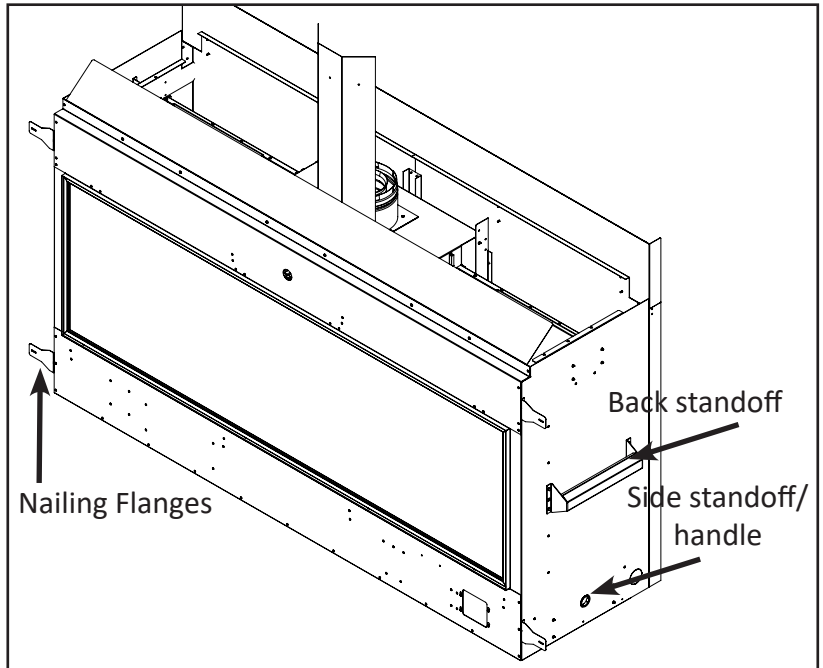


Figure 27: Fireplace Install Preperation

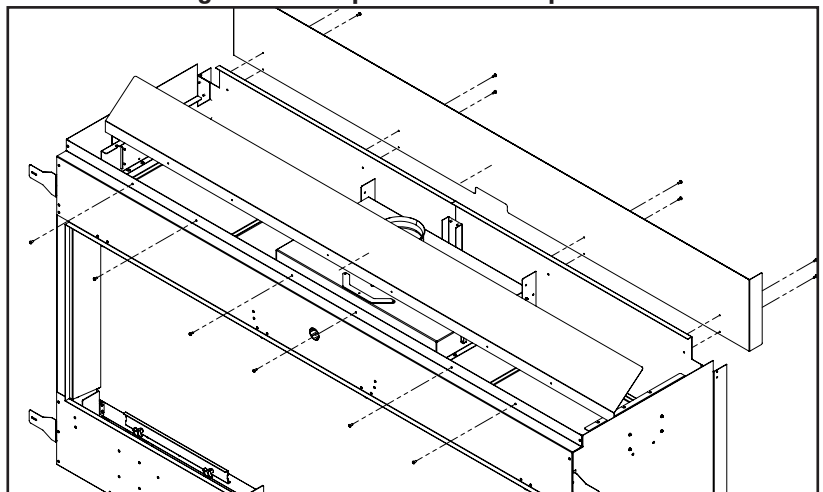


Figure 28: Fireplace Heat Shield Installation

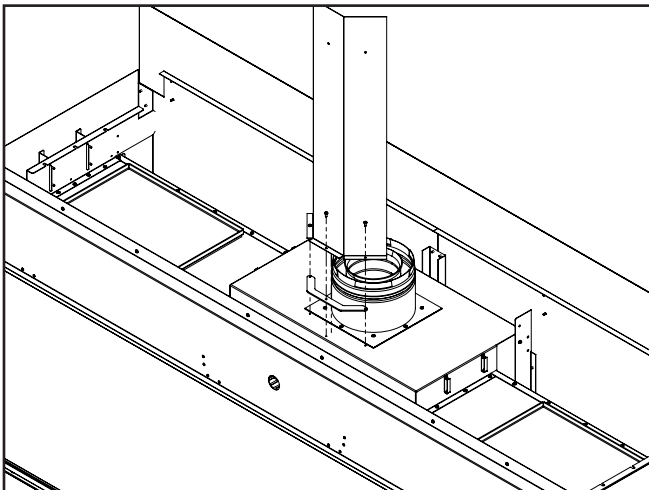


Figure 29: Fireplace Vent Heat Shield Installation

Put vent heat shield on pre-installed spacer on the airbox, then use supplied screws fasten heat shield on See Figure 29.

Initial Installation

QUALIFIED INSTALLERS ONLY

PLACEMENT AND FRAMING

All chase framing may be wood 2x4 construction or the like. Combustible material is permitted for any area of the chase and no steel studs are required. Chase may be framed beyond minimum framing for taller ceilings, overhands etc.

Note: Top of chase must be enclosed, cannot be open to joists or rafters above.

Note: The fireplace is not load bearing and chase must be constructed to fully support finishing material.

IMPORTANT NOTE: Framing above the fireplace must be constructed to rough opening (R.O.) height prior to installation, or else the fireplace and its required shielding WILL NOT FIT!

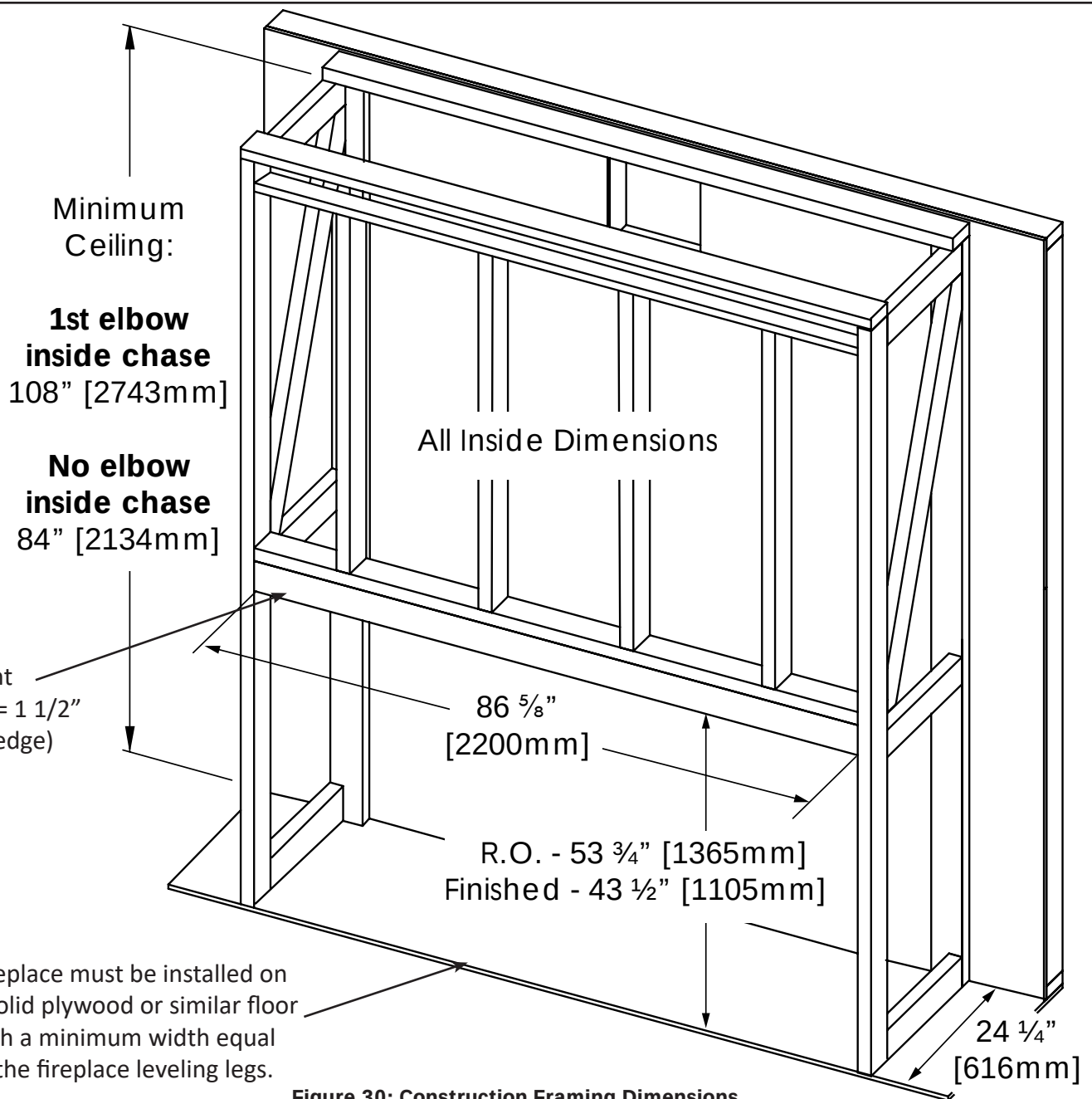


Figure 30: Construction Framing Dimensions

Initial Installation

QUALIFIED INSTALLERS ONLY

CHASE DIMENSIONS & CLEARANCES

The U75I-TLS fireplace must be installed with a heat release at the top of the chase. A variety of installation styles are permitted as shown in the following illustrations.

Refer to table 2 for the required dimensions corresponding to the letters in the illustrations.

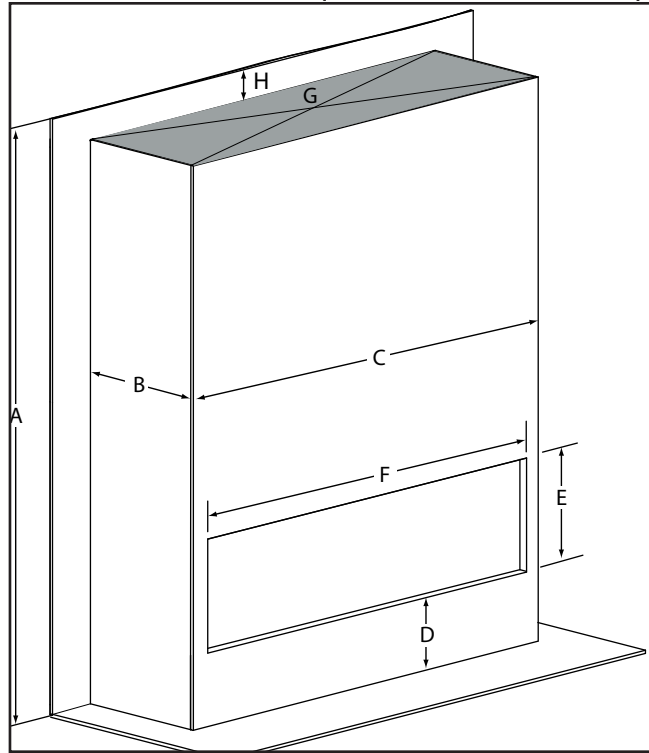


Figure 31: Top/open chase heat release

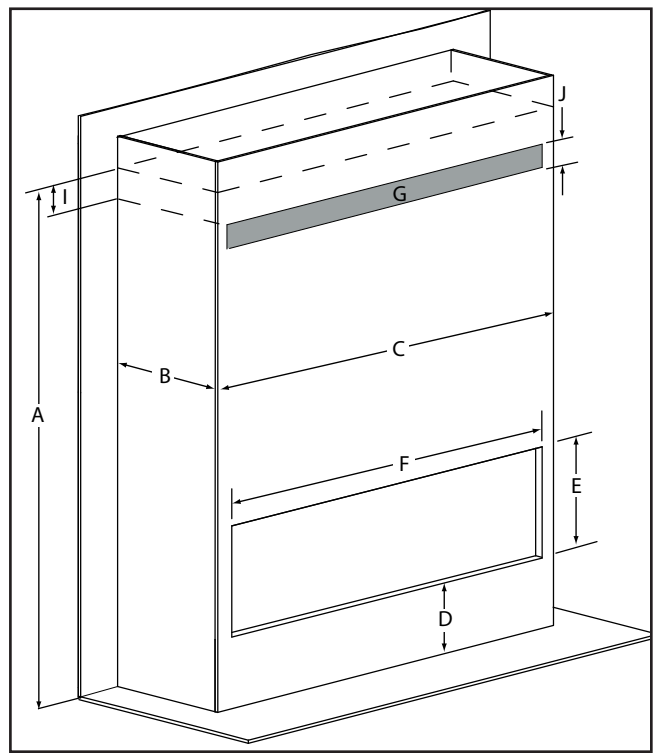


Figure 32: Front Heat Release, Chase False Ceiling

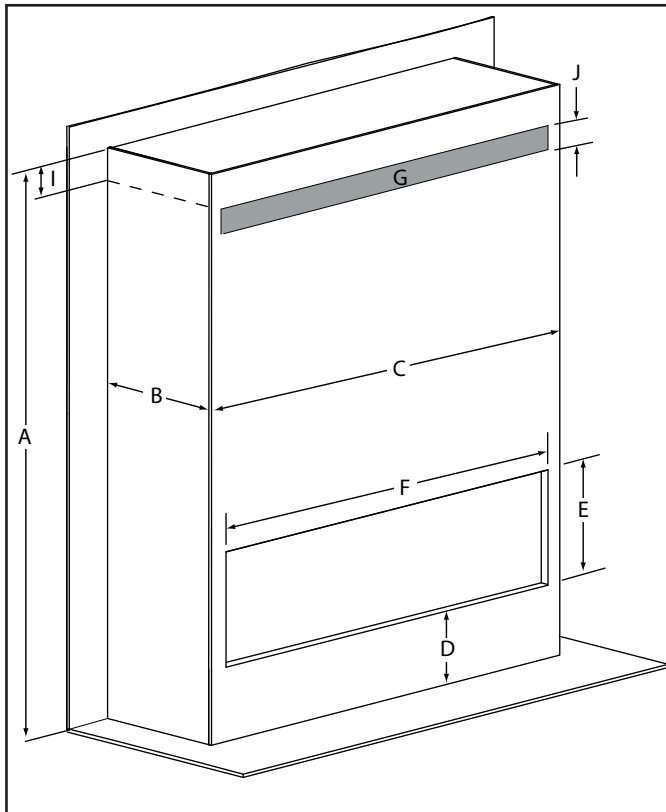


Figure 33: U75I Front Only Heat Release

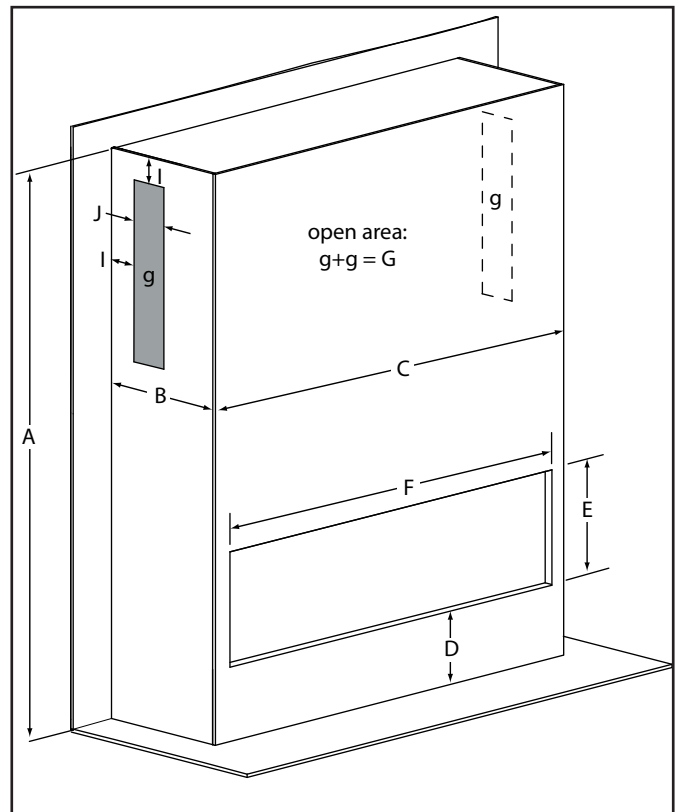


Figure 34: U75I Side Heat Release

Initial Installation

QUALIFIED INSTALLERS ONLY

CHASE DIMENSIONS & CLEARANCES

LETTER	DIMENSION
--------	-----------

A	1st elbow inside chase: 108" (2743 mm) No elbow inside chase: 84" (2134 mm)
----------	--

B	24 1/4" (616 mm)
----------	------------------

C	86 5/8" (2200 mm)
----------	-------------------

D	11 1/2" (292 mm)
----------	------------------

E	24" (610 mm)
----------	--------------

F	76 7/8" (1953 mm)
----------	-------------------

G	Minimum 150 in ² (968 cm ²)
----------	--

H	Minimum 2" (51 mm)
----------	--------------------

I	0 - 1 1/2" (0-38 mm) Maximum
----------	------------------------------

J	Minimum 2" (51 mm)
----------	--------------------

Table 2: Require Dimensions

Initial Installation

QUALIFIED INSTALLERS ONLY

CHASE DIMENSIONS & CLEARANCES

Minimum clearance to a sidewall constructed or finished with combustible material.

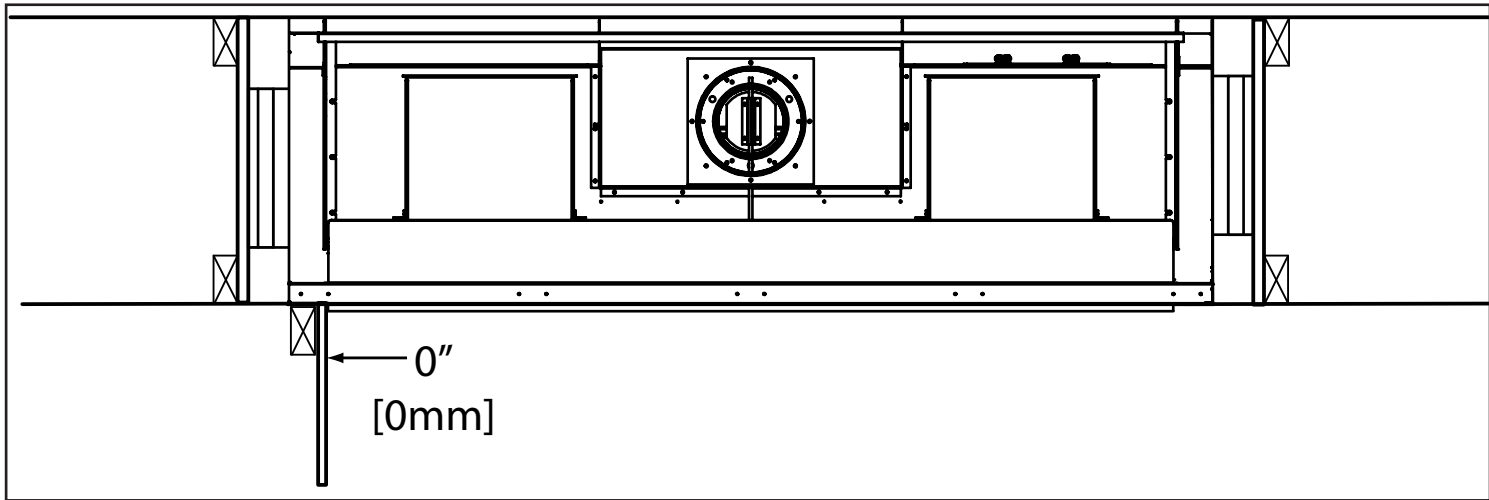


Figure 35: U75I Alcove/Sidewall Clearance

Minimum clearance to a sprinkler head from the chase heat release in any direction.

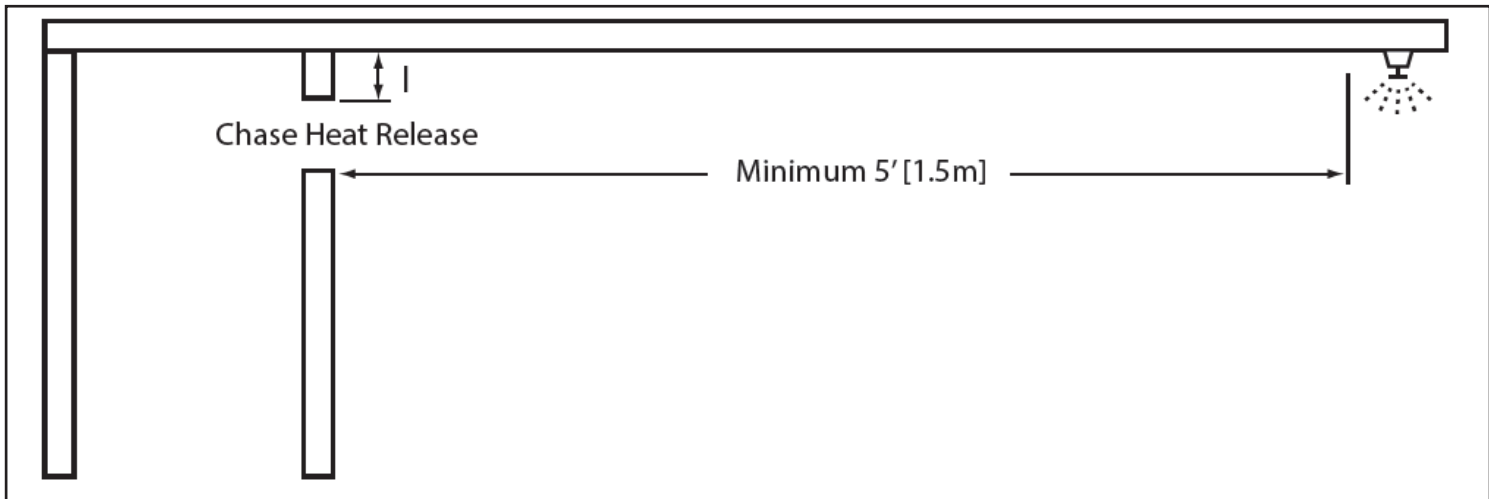


Figure 36: U75I Sprinkler Clearances

Initial Installation

QUALIFIED INSTALLERS ONLY

This clearance only applies to an elbow that is located within the chase. Once outside of the chase standard venting clearances apply. Additionally, the chase ceiling may be lowered to 84" [2134mm] if there is no elbow located within the same chase enclosure as the fireplace.

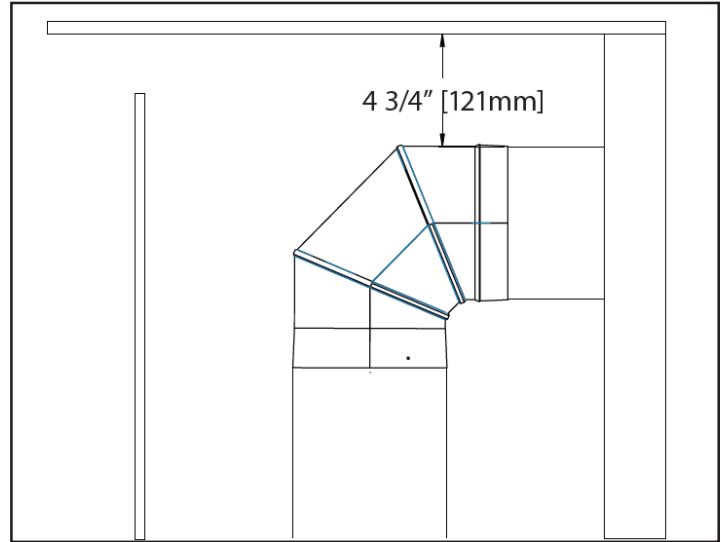


Figure 37: Minimum Chase Elbow Clearance

POWER & GAS INLET LOCATION

Take a minute to familiarize yourself with the Location of the power & Gas Inlet before installation.

Power is located on the back-left side of the lower front cabinet, and the gas is on the back right side.

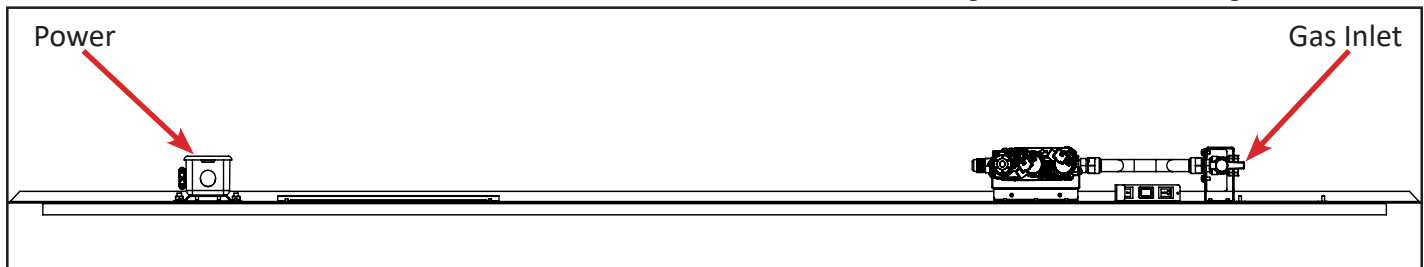


Figure 38: Power and Gas Location

WARNING Electrical Grounding Instructions

This appliance is equipped with a three-prong (grounding) plug for your protection against shock hazard and should be plugged directly into a properly grounded three-prong receptacle. Do not cut or remove the grounding prong from this plug.

FLOOR PROTECTION

The U75I may be installed on a combustible floor. **If the appliance is to be installed directly on carpeting, tile, or any other combustible material other than wood, the appliance must be installed on a metal or wood panel extending the full width and depth of the appliance.**

If masonry is to be used, prepare the necessary foundation for the masonry load. When masonry construction is being used, a lintel must be used over top of fireplace to support the added weight.

Consider the height of hearth finish material (stone, brick, etc.) when building a fireplace platform. The bottom of the fireplace must be level with finished hearth.

Build the hearth to desired size and height. If a hearth extension is desired, combustible material may be used.

Above floor level installations: A solid, continuous platform must be constructed below the appliance. MINIMUM PLATFORM SIZE must equal to the fireplace leveling legs sizing.

Initial Installation

QUALIFIED INSTALLERS ONLY

COMBUSTIBLE PLATFORM

An extended hearth or plinthe may be constructed in front of the fireplace up to the bottom tiling edge. Combustible material is permitted for construction and finishing of the plinthe. **NOTE: LVT/LVP flooring not permitted.**

VENT TERMINATION FRAMING

Minimum venting is shown in Figure 39. For Natural Gas (NG) the framing height to the center of the thimble is 98 1/2". Minimum venting must include a 48" vertical section and a 90 degree elbow which is then terminated horizontally.

For Liquid Propane (LP) the framing height to the center of the thimble is 110 1/2". Minimum venting must include a 60" vertical section and a 90 degree elbow which is then terminated horizontally.

For a vertical termination please follow the vent pipe manufacturer's installation instructions for vertical vent termination framing.

A minimum of 1" (25 mm) clearance on all sides of the vertical vent pipe must be maintained.

For every 12" of horizontal run there must be a 1/4" of rise.

1" of clearance between framing and venting must be maintained at all times. 2" above horizontal venting. 6" above first elbow and 3" above subsequent elbows.

Ensure the Vent Shield is installed before proceeding (See Figure 29).

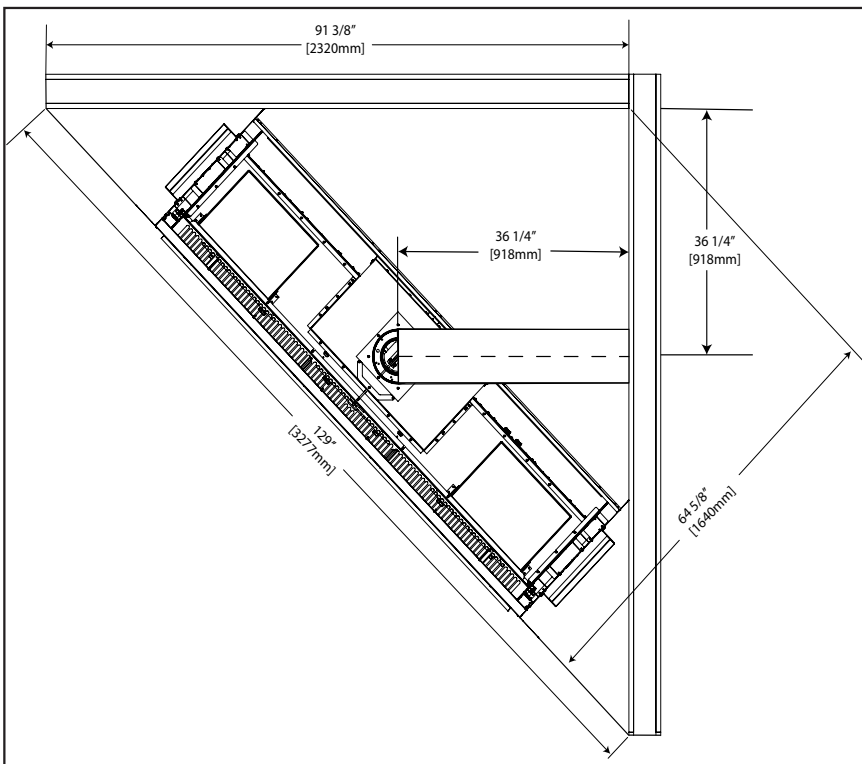


Figure 40: Corner Installation

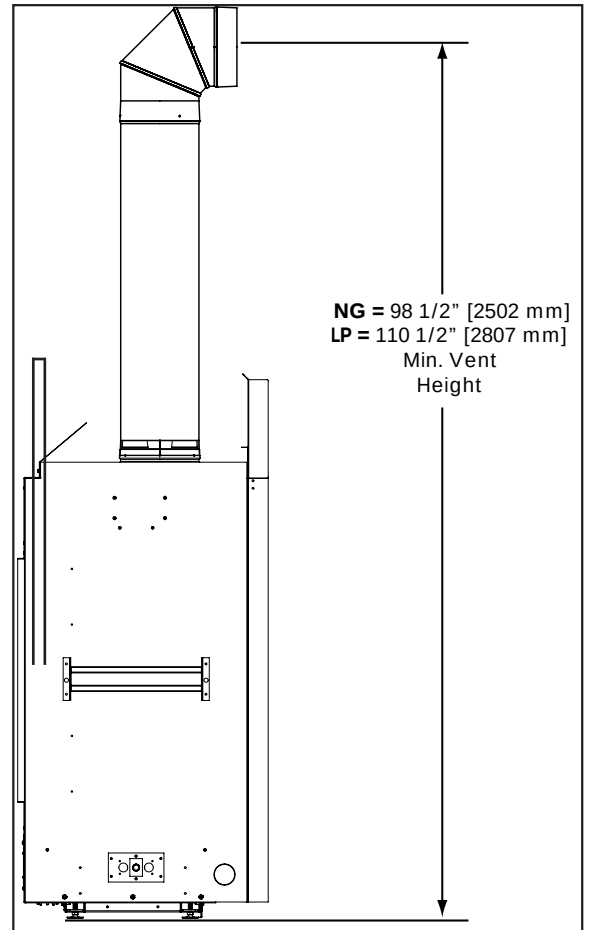


Figure 39: Minimum Venting

CORNER INSTALLATION

These are the minimum allowable framing dimensions required to safely operate the fireplace in a corner install. Plan your entire installation before proceeding. (See Figure 40)

Initial Installation

QUALIFIED INSTALLERS ONLY

MANTEL & TV REQUIREMENTS

If adding a mantel to the U75I please note the critical dimensions shown in Figure 41(a) & 42. These are minimum dimensions as per certification and must be followed.

If you are planning on installing a TV above the fireplace refer to Figure 41(B), Figure 42 to see the options available.

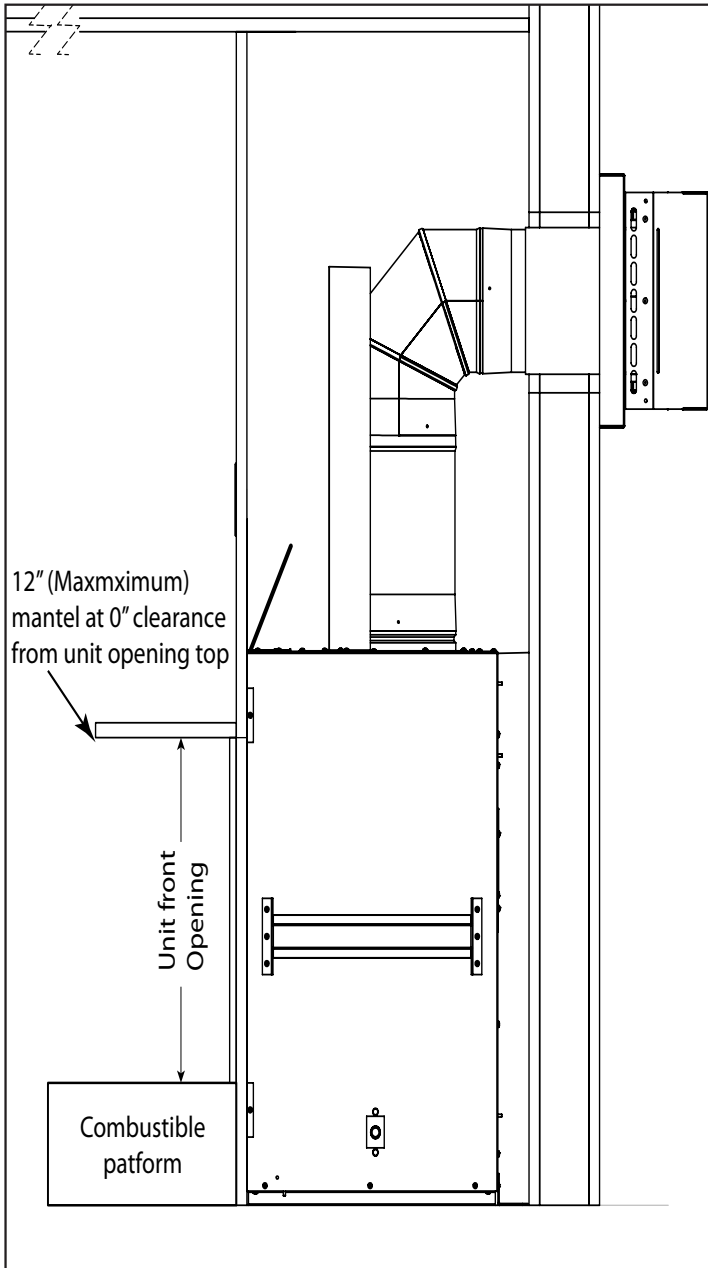


Figure 41(a): Mantel Clearance

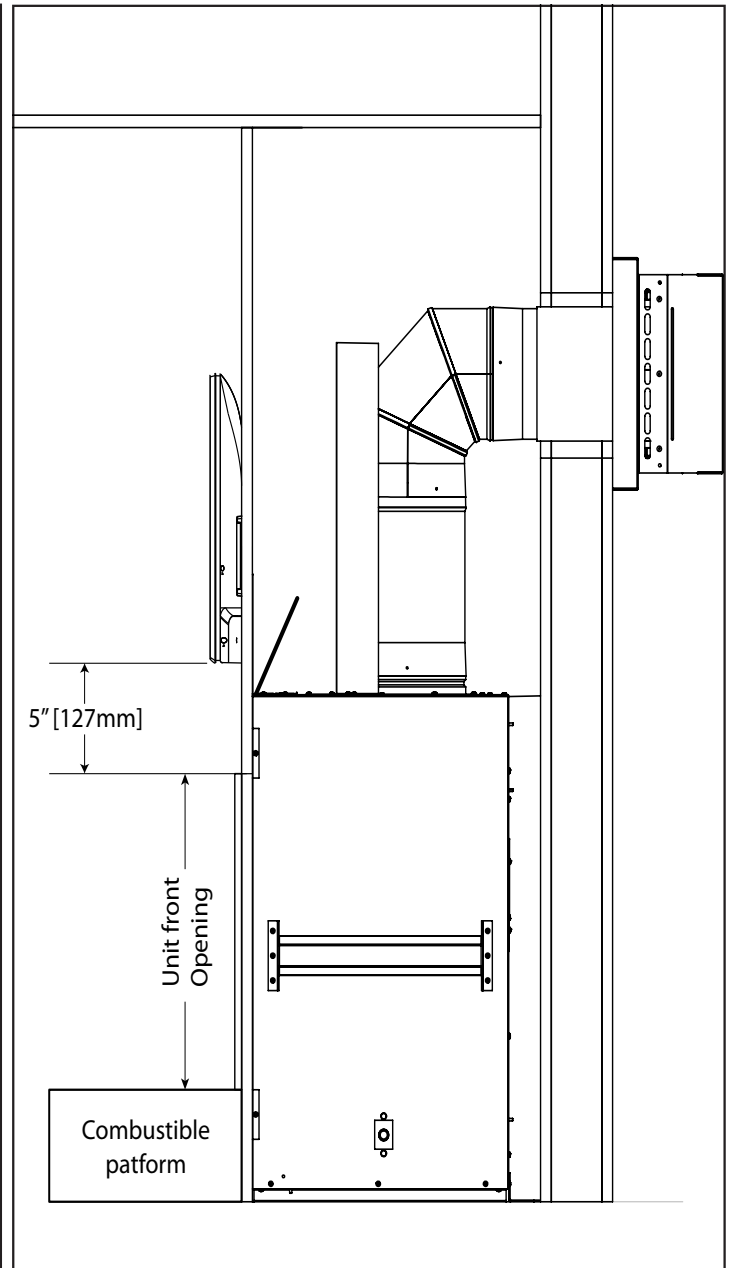


Figure 41(b): TV Clearance

Initial Installation

QUALIFIED INSTALLERS ONLY

INSTALLATION WITH RECESS

Refer to dimensions in Figure 42 if building a recess above the fireplace. Note the dimensions from the finishing edge to the stud below the recess finishing material. The vertical finishing material at the back of the recess must be spaced $7/8"$ off the vent shield. Also note the dimension from the vent pipe to the internal ceiling this must be maintained if the fireplace is

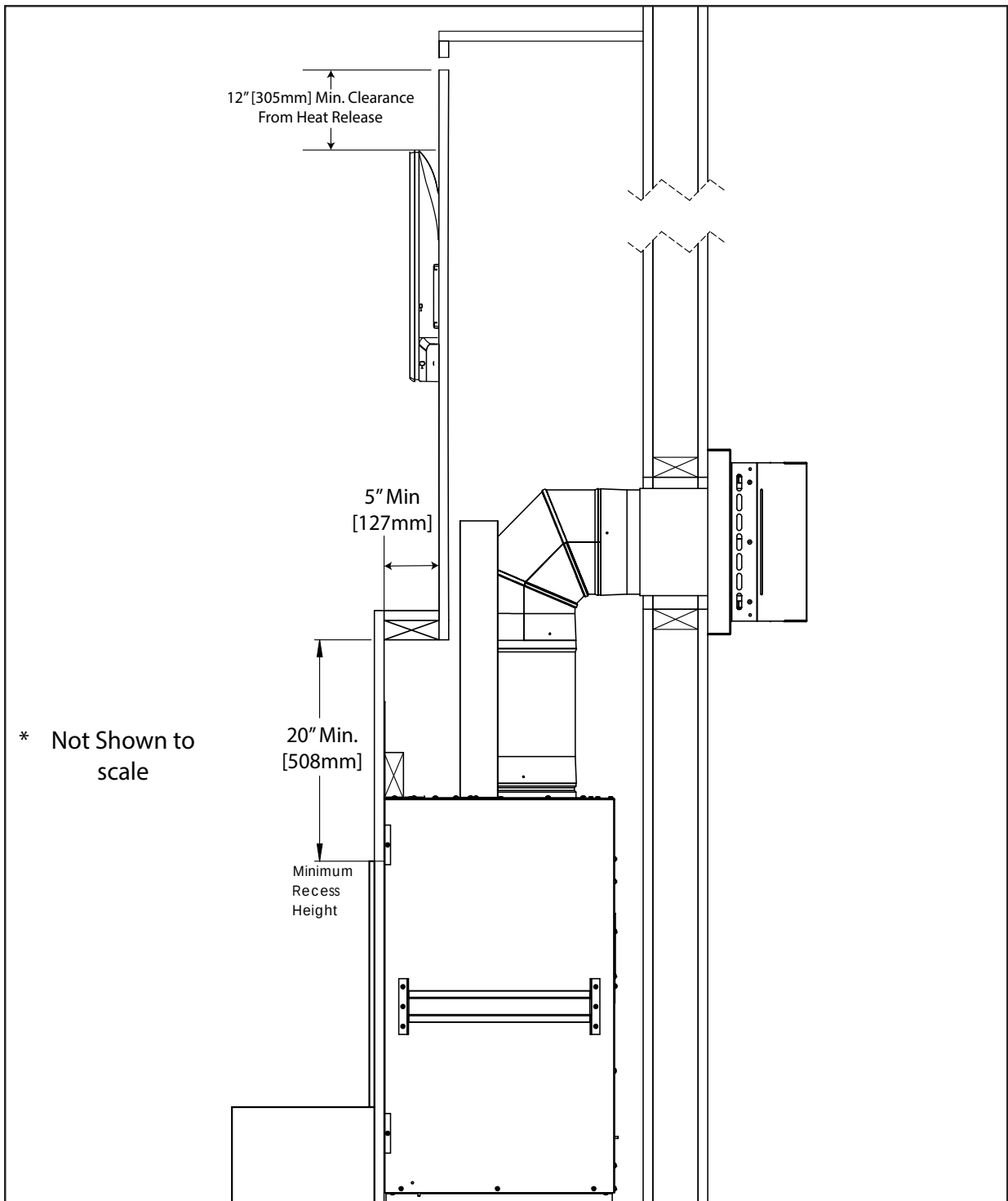


Figure 42: Install Dimensions with Recess

Initial Installation

QUALIFIED INSTALLERS ONLY

VENTING INTRODUCTION:

Your fireplace can operate using a natural vent or power vent system (50-3883/50-4375).

Natural Vent (Rigid): 5" X 8" venting system

Power Vent: 4" x 6 5/8" rigid vent.

See power vent kit for further information.

Follow the venting instructions for safe and proper operation of the appliance. Deviation from the minimum vertical length can create difficulty in burner start-up and sooting.

Allow several minutes for the flame to stabilize after ignition under extreme vent configurations. It is recommended for vent lengths that pass through unheated spaces (garages, attics, crawl spaces) be insulated to minimize condensation. Use at least 3 screws at each vent connection. Check periodically that the vents are unrestricted, especially the exterior vent cap.

Venting Considerations:

1. A power vent system should be considered for extreme weather areas (wind, cold).
2. 48" minimum vertical rise before an elbow does not apply to power vent units.
3. Use a snorkel termination for more draft (if needed).

WARNING:

- Follow venting instructions exactly for safe and proper appliance operation.
- Use aluminum tape for all venting connections.
- Risk of fire, explosion, or asphyxiation if improper venting setup.
- Risk of fire, do not allow loose materials or insulation to contact vent pipe. Remove insulation to allow installation of thimble and maintain clearances to combustible materials.

Initial Installation

QUALIFIED INSTALLERS ONLY

VENTING TERMINATION RESTRICTIONS:

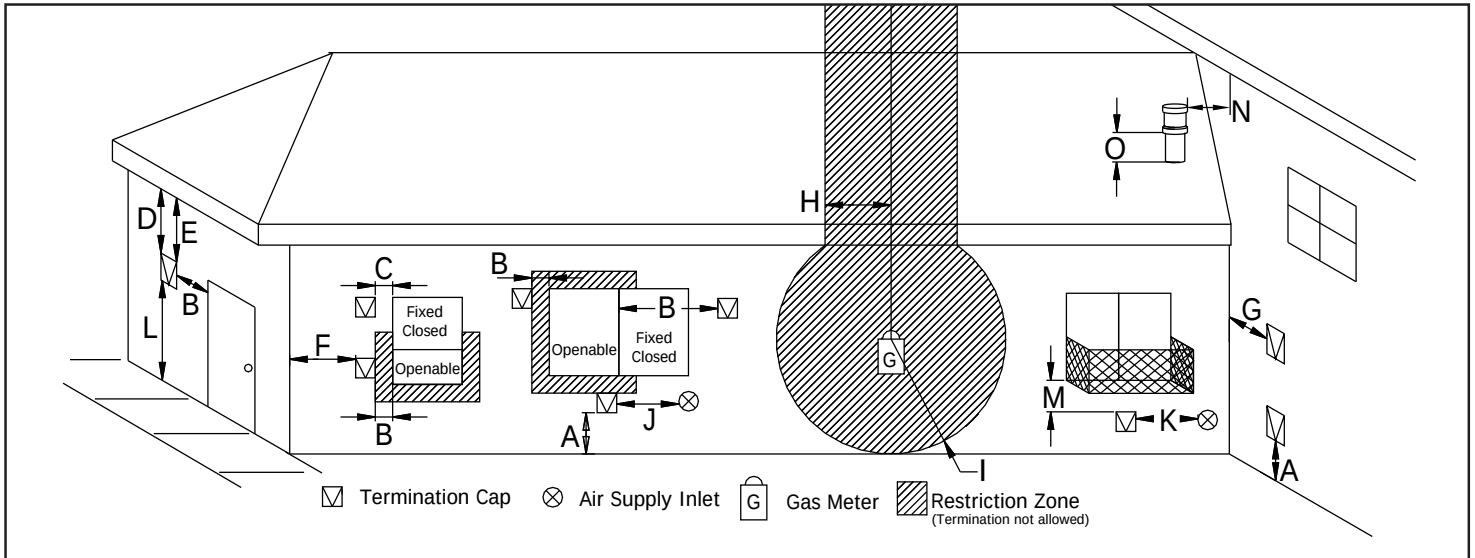


Figure 43: Vent Termination Restrictions

Table 3: Vent Termination Clearances MINIMUMS

	Canadian Installation ¹	US Installation ²	Description
A	12 in (30 cm)		Clearance above grade, verandah, porch, deck, or balcony.
B	12 in (30 cm)	9 in (23 cm)	Clearance from window or door that may be opened.
C	12 in (30 cm)*		Clearance from permanently closed window (to prevent condensation).
D	36 in (91.5 cm)		Vertical clearance to ventilated soffit located above the terminal, within a horizontal distance of 3 ft (91.5 cm) from center line of terminal.
E	36 in (91.5 cm)		Clearance to unventilated soffit.
F	12 in (30 cm)*		Clearance to outside corner.
G	12 in (30 cm)		Clearance to inside corner.
H	3 ft (91 cm) within a height of 15 ft (4.5 m) above the meter/regulator assembly	3 ft (91 cm) within a height of 15 ft (4.5 m) above the meter/regulator assembly*	Clearance to each side of center line extended above meter/regulator assembly.
I	3 ft (91 cm)	3 ft (91 cm)*	Radial clearance around service regulator vent outlet.
J	12 in (30 cm)	9 in (23 cm)	Clearance to non-mechanical air supply inlet to building, or the combustion air inlet to any other appliance.
K	6 ft (1.83 m)	3 ft (91 cm) above if within 10 ft (3 m) horizontally	Clearance to mechanical air supply inlet.
L	7 ft (2.13 m) ^t	7 ft (2.13 m) ^{*t}	Clearance above paved sidewalk or paved driveway located on public property.
M	36 in (91.5 cm) ⁺		Clearance under verandah, porch, deck, or balcony.
N	12 in (30 cm)*		Clearance horizontally to any surface (such as an exterior wall) for vertical terminations.
O	12 in (30 cm)		Clearance above roof line for vertical terminations.

¹ In accordance with the current CSA B149.1, Natural Gas and Propane Installation Code.

² In accordance with the current ANSI Z223.1 NFPA 54, National Fuel Gas Code.

* These numbers are only estimates.

^t A vent shall not terminate directly above a side walk or paved driveway that is located between two single family dwellings and it serves both dwellings.

⁺ Permitted only if verandah, porch, deck, or balcony is fully open on a minimum of two sides beneath the floor.

Initial Installation

QUALIFIED INSTALLERS ONLY

VERTICAL TERMINATION:

1. Check venting clearances and termination restrictions for required clearances to combustibles when passing through ceilings, walls, roofs, enclosures, attic rafters, or other nearby combustible surfaces. Do not pack air spaces with insulation.

2. Set the fireplace in the desired location. Drop a plumb bob down from the ceiling to the fireplace flue exit and mark the location where the vent will penetrate the ceiling. Drill a small hole at this point. Next, drop a plumb bob from the roof to the hole and mark the spot where the vent will penetrate the roof. Determine if ceiling joists, roof rafters, or other framing will obstruct the venting system. Relocate the fireplace or offset the venting to avoid cutting load bearing members.

3. To determine the length of pipe required, measure room height, ceiling thickness, and vertical rise in an attic or second story. Firestops are required at each floor level beyond the first floor ceiling support/wall thimble cover or cathedral ceiling support box. If an offset is required to avoid obstructions, use a pair of 45 degree elbows. For proper support, use elbow straps with offsets. Use wall straps for long vertical runs. Attic insulation shield is required in attic.

4. Measure roof pitch. Select the proper flashing and storm collar and determine the height above the roof (see Table). A non-corrosive pipe material must be used for all exterior pipe lengths. Seal nail heads with silicone.

Table 4: Minimum "H" for Figure 44

Roof Pitch	Minimum Height (H)	
	Feet	Meters
Flat to 7/12	1	0.3
Over 7/12 to 8/12	1.5	0.46
Over 8/12 to 9/12	2	0.61
Over 9/12 to 10/12	2.5	0.76
Over 10/12 to 11/12	3.25	0.99
Over 11/12 to 12/12	4	1.22
Over 12/12 to 14/12	5	1.52
Over 14/12 to 16/12	6	1.83
Over 16/12 to 18/12	7	2.13
Over 18/12 to 20/12	7.5	2.29
Over 20/12 to 21/12	8	2.44

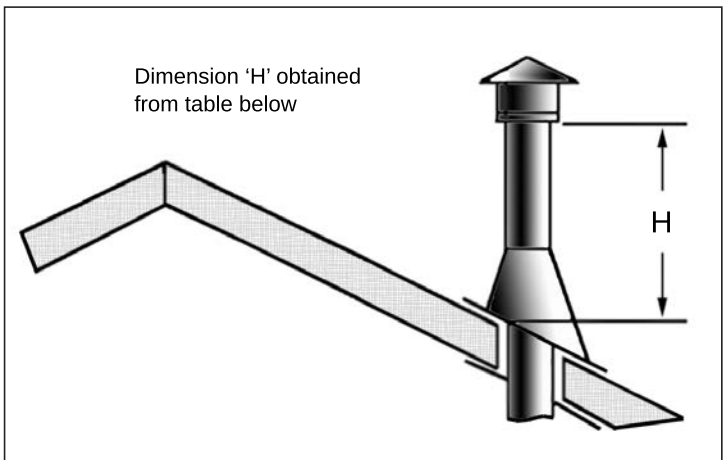


Figure 44: Height of Vertical termination

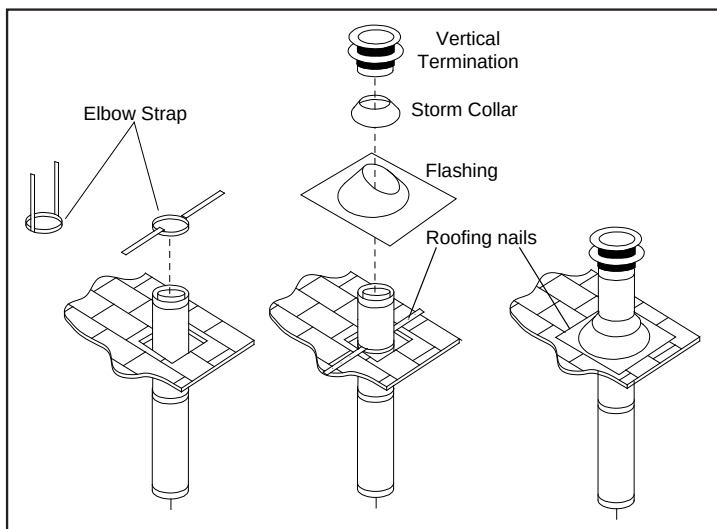


Figure 45: Vertical Vent Termination

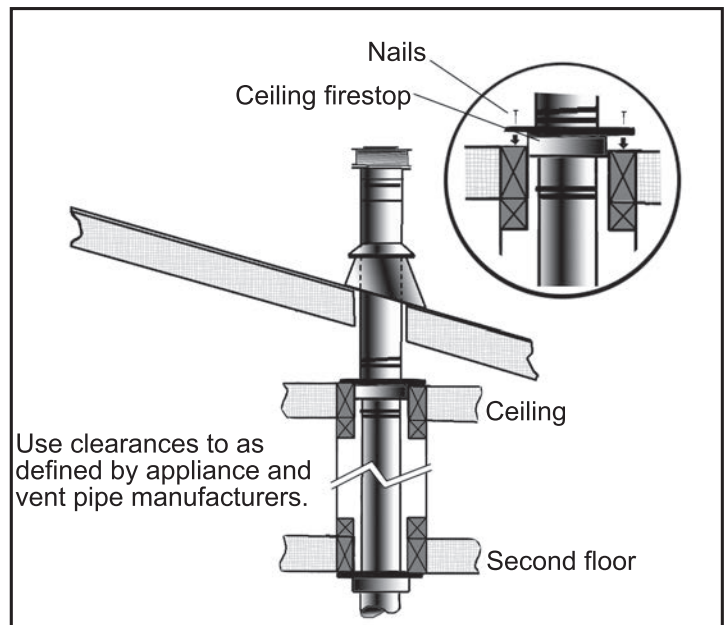


Figure 46: Multi-Story Vent Pipe Install

Initial Installation

QUALIFIED INSTALLERS ONLY

NOTES:

1. If an offset is necessary in the attic to avoid obstructions, it is important to support the vent pipe every **3' (914 mm)** using wall straps to avoid excessive stress on the elbows.
2. Use 45° degree elbows instead of 90° degree elbows when ever possible. The 45° degree elbow offers less restriction to the flow of flue gases and intake air.

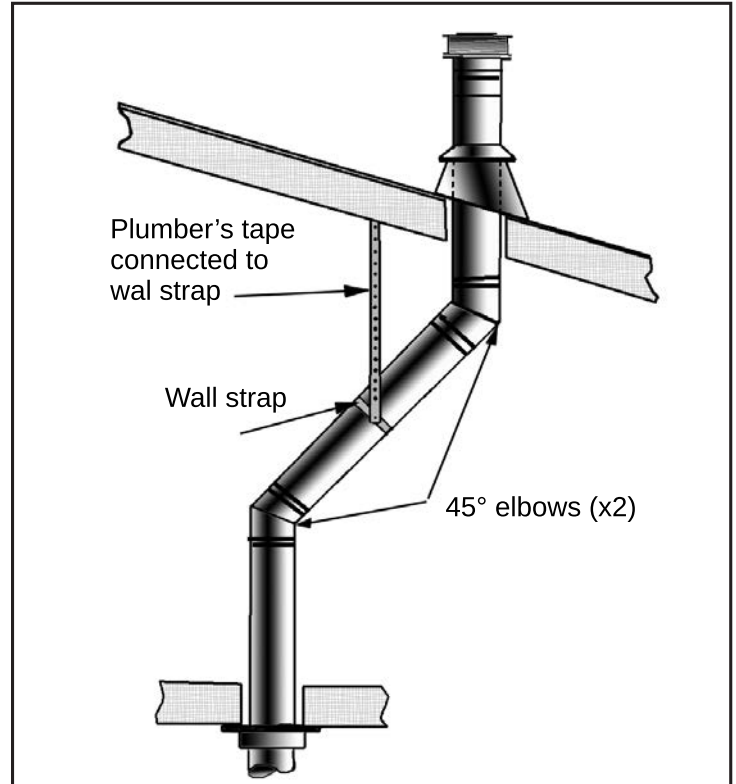


Figure 47: Use of Wall Straps

VERTICAL TERMINATION:

1. A minimum 4ft vertical section before an elbow is required when horizontally terminating with an approved venting cap.
2. Horizontal pipes must not be level. For every 12" (305 mm) of horizontal travel there should be at least ¼" (6.4 mm) of vertical rise. Never allow the vent to run downward, as this could cause high temperatures or even present the possibility of a fire.
3. The exterior of the horizontal vent termination must not be blocked or obstructed.
4. If the vent termination is not being attached to wood, the four wood screws provided should be replaced with material appropriate fasteners.
5. For buildings with vinyl siding, a vinyl standoff must be installed between the vent cap and the exterior wall. Attach the vinyl siding standoff to the horizontal termination. The termination attaches to the flat portion of the standoff which provides an air space between the wall and the vent termination. The air gap prevents excessive heat from possibly melting the vinyl siding.

Initial Installation

QUALIFIED INSTALLERS ONLY

6. Horizontal pipes must be supported every 3' (914 mm). Plumber's "all round" strap will suffice.

7. Clearances to combustibles must be maintained when running horizontal pipe. 1" (25 mm) sides, 1" (25 mm) bottom, 3" (76 mm) top, and 3" (76 mm) above elbows outside the immediate chase.

8. Set the fireplace in the desired location. Check to determine if wall studs will be in the way when the venting system is attached. If this is the case, the location of the fireplace may have to be adjusted or the venting may have to be offset.

9. Many direct vent pipe sections are designed with special twist-lock connections. Dry fit the desired combination of pipe and elbows to the appliance adaptor.

10. With the pipe in the correct position and attached to the fireplace, mark the wall for a hole as directed by specified wall thimble dimensions. Cut and frame the hole in the exterior wall where the vent will be terminated. If the wall being penetrated is made of a non-combustible material (i.e. masonry or concrete) a minimum 7 1/2" (191mm) hole is acceptable.

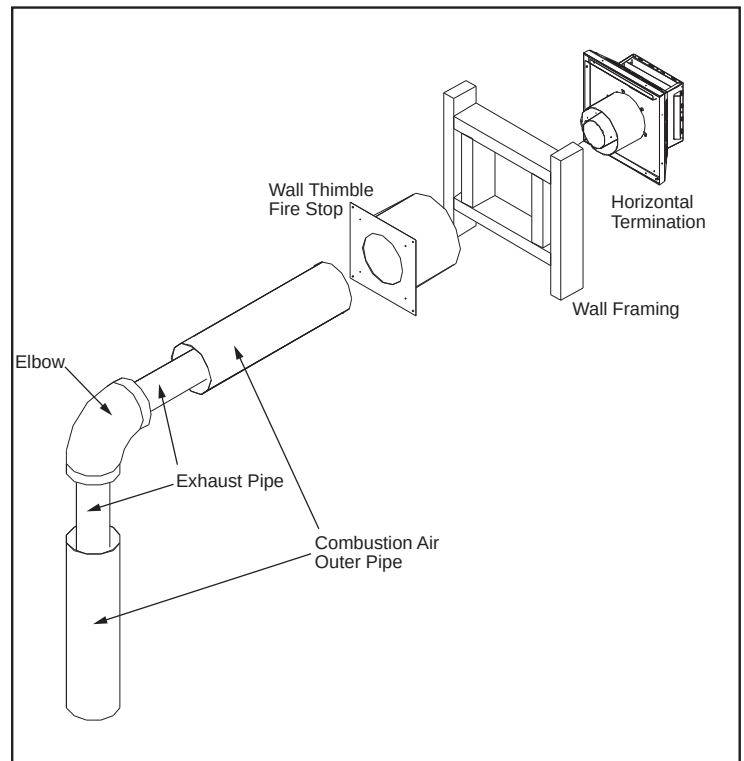


Figure 48: Horizontal Vent Termination

Initial Installation

QUALIFIED INSTALLERS ONLY

VENTING CLEARANCES:

Clearances must be in accordance with local installation codes and requirements of the gas supplier.

NOTE: Venting terminals shall not be recessed into walls or siding. Horizontal venting terminals, other than ICC EXCELDirect 5HT, must have a minimum 1 1/2" (38 mm) clearance from the finished exterior wall surface. Use M&G Duravent Part #58DVA-VSS.

This clearance **DOES NOT** apply to non-combustible building finishes such as stone, brick and cement fibre siding i.e. Hardie-Plank®. Termination restrictions and clearances do not apply when power venting. Refer to power vent installation manual.

-This gas appliance must be direct vented and can't be connected to a chimney flue serving a separate solid-burning appliances.

Clearances to combustibles must be maintained around all vent pipes.

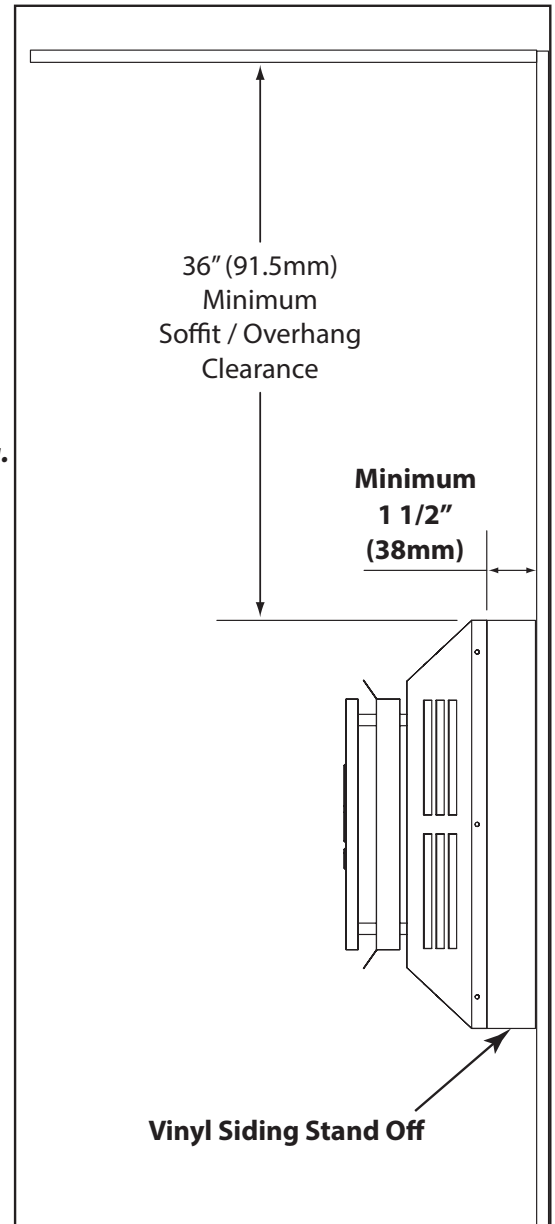


Figure 49: Horizontal Vent Termination

Initial Installation

QUALIFIED INSTALLERS ONLY

VENTING CLEARANCES

A **1" (25 mm)** clearance to combustibles must be maintained around any vertical vent pipe. Around a horizontal vent pipe, the clearance to combustibles should be **2" (51 mm)** above and **1" (25 mm)** on the sides and bottom. When combustible materials are directly above the first 90° elbow, **4 3/4" (121 mm)** of clearance is necessary.

Table 5: Vent Pipe Minimum Clearances

	Vertical Pipe to the Side Walls	Horizontal Pipe to the Sides & Bottom	Above First Elbow	Above Subsequent Elbows	Above Horizontal Vent Pipe	Wall Frame 8" (203mm) or less
Hard Pipe	1" (25.4 mm)	1" (25.4 mm)	4 3/4" (152.2 mm)	3" (76.2 mm)	2" (51 mm)	Thimble Specific

See certified thimbles in venting section and framing accordingly (see Table 5) will assure the proper support and spacing for the vent pipe as it passes through the wall. Installations in Canada require that a wall thimble be used for passing through walls and ceilings. All sealing and vapour barriers must comply with local building codes.

The configuration of the venting pipes depends on the locations of walls, ceilings, and studs. However, the pipes cannot be of arbitrary length and arrangement. Because the length of the vertical and horizontal sections dramatically affects the burning efficiency of the fireplace, certain guidelines have been set in INITIAL INSTALLATION - ALLOWABLE CO-AXIAL VENT CONFIGURATIONS. Venting terminals can not be recessed into a wall or siding.

WARNING: This gas appliance must not be connected to a chimney flue serving a separate solid-burning appliances.

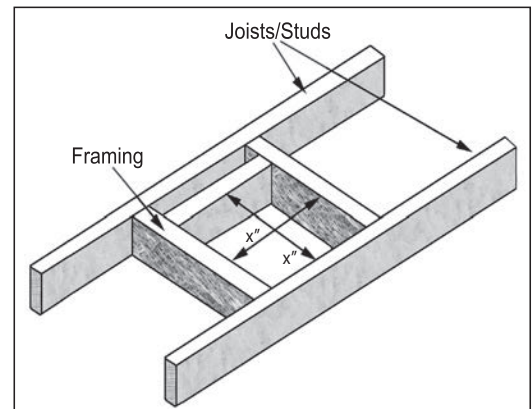


Figure 50: Vent Framing For Wall or Ceiling

Initial Installation

QUALIFIED INSTALLERS ONLY

APPROVED VENTING PARTS

This fireplace has been tested and certified for use with the venting brand names list in Table 4. Refer to Table 6 below for part numbers of commonly used parts for both venting systems. For more venting parts please visit the respective manufacturers' website.

WARNING: Do not mix parts from different vent manufacturers' systems.

Table 6: Approved Vent Manufacturers

Manufacturer	Brand Name	Nominal Sizes
ICC	EXCELDirect	5" x 8"
Duravent	Direct Vent Pro	5" x 8"
Selkirk	DIRECT-TEMP	5" x 8"
Selkirk	AMP DV	5" x 8"
Metal-Fab Inc.	Sure-Seal	5" x 8"

EXCEPTION TO WARNING: This product has been evaluated by Intertek for using a DirectVent Pro starting collar in conjunction with venting brand names listed in Table 6. Use of these systems with the DirectVent Pro starting collar is deemed acceptable and does not affect the Intertek listing of the appliance.

Table 7: Vent Part Numbers (must state if galvanized or black wanted)

Duravent Direct Vent Pro	ICC EXCELDirect	Selkirk DIRECT-TEMP	Amerivent AMV DV	Metal-Fab Sure-Seal DV	Description
58DVA-06	5DL6	5DT-06		5D6	6" pipe length
			5D7		7" pipe length
58DVA-09	5DL9	5DT-09			9" pipe length
58DVA-12	5DL1	5DT-12	5D12	5D12	12" pipe length
58DVA-18		5DT-18		5D18	18" pipe length
58DVA-24	5DL2	5DT-24	5D2	5D24	24" pipe length
58DVA-36	5DL3	5DT-36	5D3	5D36	36" pipe length
58DVA-48	5DL4	5DT-48	5D4	5D48	48" pipe length
58DVA-60					60" pipe length
58DVA-E30					30° elbow
58DVA-E45	5DE45	5DT-EL45	5D45L	5D45L	45° elbow
58DVA-E90	5DE90	5DT-EL90	5D90L	5D90A, 5D90L	90° elbow
58DVA-VSS, DVA-BVS	VSS	5DT-VS/VSK	5DHVS, DVSK	5DVS	Vinyl siding standoff/sheild
58DVA-WT, 58DVA-WTU	5WT	5DT-WT	5DWT	5DWT, 5DWT11	Wall thimble
58DVA-SC	SQSC, SC	5DT-SC	5DSC	5DSC	Storm collar
58DVA-WFS		5DT-FS		5DFSH	Wall Fire stop
58DVA-FS	5CS	5DT-FS	5DFSP	5DFS, 5DSPFS	Ceiling Fire stop
58DVA-IS	5AS	5DT-AIS	5DAIS12, AIS36	5DIS	Attic Insulation Shield
58DVA-WS	5WS	5DT-WS/B	5DWS	5DWS	Wall strap/support/band
58DVA-VCH	5SVT			5DVT	High wind vertical termination
58DVA-HC	5HT	5DT-HC	5DHCS	5DHT	High wind horizontal termination
46DVA-WG	HTS		4DHWS	8DVTS	Wind / Heat Shield
				5DAL	3" to 10" pipe, adjustable
58DVA-17TA					11" to 17" pipe, adjustable
58DVA-24TA					17" to 24" pipe, adjustable
	5DLA30				16.5" to 29" pipe , adjustable
	5DLS1				1 7/8" to 9" slip length pipe
	5DLS2				1 7/8" to 21" slip length pipe
58DVA-F6	6EFA	5DT-AF6	5DF	5DF	Flashing, 0/12 to 6/12 roof pitch
58DVA-F12	6EFB	5DT-AF12	5DF12	5DF-12	Flashing, 7/12 to 12/12 roof pitch
58DVA-FF	6EF			5DFT	Flat Roof Flashings
58DVA-CFK	4MF				Masonry Flashing

Initial Installation

QUALIFIED INSTALLERS ONLY

APPROVED VENTING CONFIGURATIONS (NG):

Caution: Wait until the unit has completely cooled before changing the restrictor.

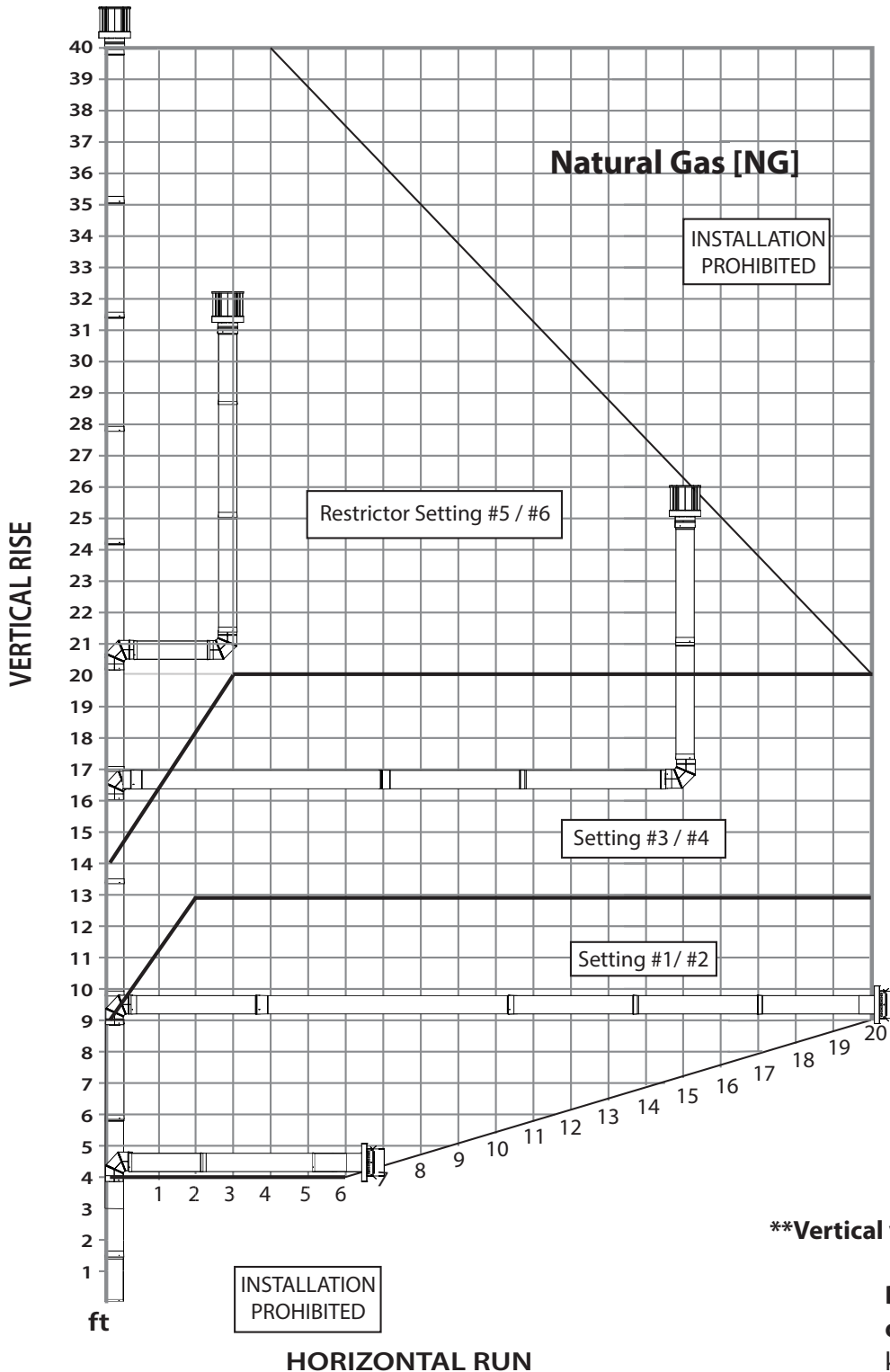


Figure 51: Natural Gas Vent Graph

This shows the range of venting options using either vertical or horizontal terminations; any layout that remains within the shaded area is acceptable. Having the fewest number of elbows is ideal as they restrict air movement.

Any combination of rise and run can be used as long as it lays within the shaded area.

A maximum of three (3) 90° elbows or six (6) 45° elbows can be used.

90° elbows in the horizontal plane account for 3 horizontal feet (91.4cm) to your venting run. 45° elbows account for 1½ feet (45.7cm).

Restrictor Setting: Find the point on the graph where your vent configuration will terminate.

Remember to consider elbows in the HORIZONTAL plane account for horizontal distance as stated above.

Use the corresponding exhaust restrictor setting indicated on the graph. See the following section in this manual for restrictor details. Your climate and altitude may alter what restrictor is required for your particular application.

****Vertical vent height does not account for elbows**

Does your vent configuration fall outside the limits? Use our power vent kit (50-3883/50-4375) for a much broader venting range.

Initial Installation

QUALIFIED INSTALLERS ONLY

APPROVED VENTING CONFIGURATIONS (LP):

Caution: Wait until the unit has completely cooled before changing the restrictor.

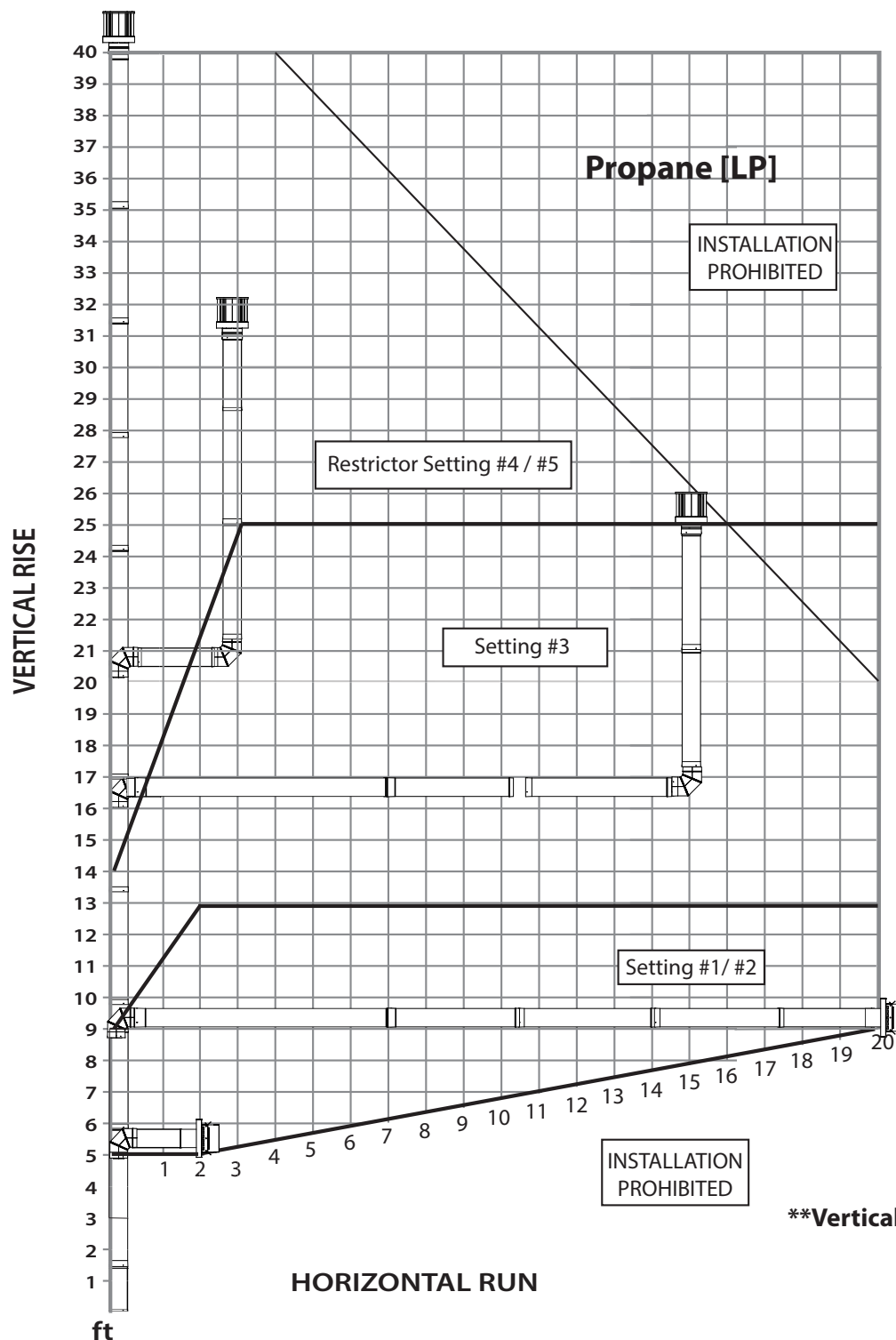


Figure 52: LP Vent Graph

This shows the range of venting options using either vertical or horizontal terminations; any layout that remains within the shaded area is acceptable. Having the fewest number of elbows is ideal as they restrict air movement.

Any combination of rise and run can be used as long as it lays within the shaded area.

A maximum of three (3) 90° elbows or six (6) 45° elbows can be used.

90° elbows in the horizontal plane account for 3 horizontal feet (91.4cm) to your venting run. 45° elbows account for 1½ feet (45.7cm).

Restrictor Setting: Find the point on the graph where your vent configuration will terminate.

Remember to consider elbows in the HORIZONTAL plane account for horizontal distance as stated above.

Use the corresponding exhaust restrictor setting indicated on the graph. See the following section in this manual for restrictor details. Your climate and altitude may alter what restrictor is required for your particular application.

****Vertical vent height does not account for elbows**

Does your vent configuration fall outside the limits? Use our power vent kit (50-3883/50-4375) for a much broader venting range.

Initial Installation

QUALIFIED INSTALLERS ONLY

EXHAUST RESTRICTOR SETTING

WARNING: Improperly set restrictor setting can cause overheating issues which can lead to building fire.

It may be necessary to adjust the exhaust restrictor in order to control combustion quality and flame appearance. There are six different restrictor settings.

Determine what restrictor setting you require using the vent graphs in "Allowable Co-Axial Vent Configurations". The restrictor is set to 1 when the flat edge of the dial is vertical (see Figure 53). Rotate the dial counter-clockwise to increase the restriction level successively until the appropriate setting is achieved. When the flat edge is horizontal the restrictor level is at its maximum (see Figure 54). The proper setting is crucial for an efficient burn and best possible flame appearance.

It may be necessary to deviate from the recommended setting as different altitudes and climates can vary the operation of the fireplace. With LP fueled fireplaces, it is always a good idea to offer slightly less restriction for higher altitudes to reduce the risk of sooting over an extended period.

Use a 7/16 socket with long extension to adjust the restrictor dial according to the vent graph.

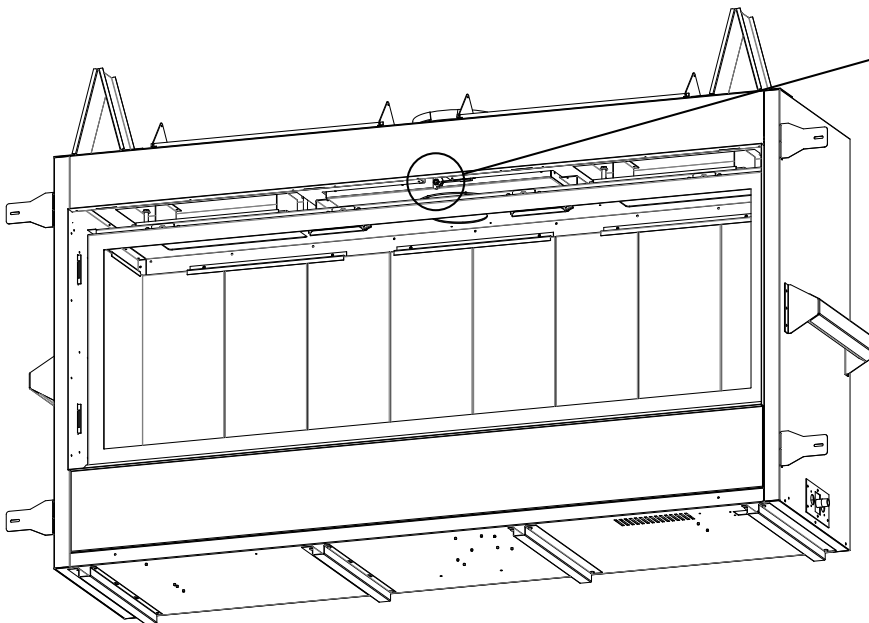


Figure 53: Restrictor Setting 1

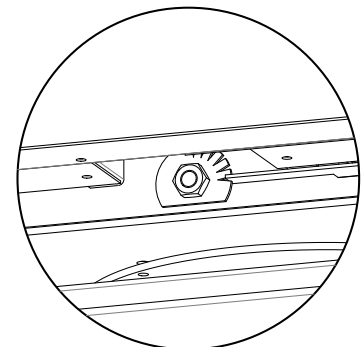


Figure 54: Restrictor Setting 6

Initial Installation

QUALIFIED INSTALLERS ONLY

GAS LINE CONNECTION AND TESTING

WARNING: Only persons licensed to work with gas piping may make the necessary gas connections to this appliance.

GAS LINE CONNECTION

- Consult your local authorities codes or the CAN/CGA B 149 (1 or 2) installation code in Canada, or in the USA gas installations follow either local codes or the current edition of the National Fuel Gas Code ANSI Z223.1.
- The efficiency rating of this appliance is a product thermal efficiency rating determined under continuous operating conditions and was determined independently of any installed system.

The appliance and its shutoff valves must be disconnected from the gas supply piping system during any pressure testing where the pressure exceeds $\frac{1}{2}$ PSIG (3.45 KPa) or damage will occur to the valve.

The appliance must be isolated from the gas supply piping system by closing its individual manual shutoff valve during any pressure testing of the gas supply piping system at test pressures equal to or less than $\frac{1}{2}$ psig (3.45 KPa).

Always check for gas leaks with a soap and water solution after completing the required pressure test.

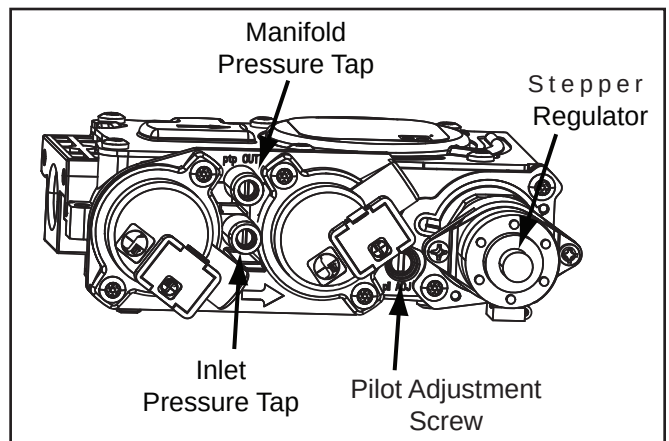


Figure 55: Fully Labeled Gas Valve

TO TEST VALVE PRESSURES

The pressure taps are located on the top right of the valve shown in Figure 55.

- Turn set screw 1 turn counter clockwise to loosen,
- Place $\frac{5}{16}$ " (8 mm) I.D. hose over pressure tap system.
- Check pressures using a manometer.
- When finished, release pressure, remove hose & tighten set screw.

Table 8: Pressure and BTU Information.

	Natural Gas	Propane
Main Orifice	Left #32 Right #32	Left #51 Right #51
Manifold Pressure	3.6" W.C. (0.89 KPa)	10.0" W.C. (2.49 KPa)
Min. Manifold Pressure	1.6" W.C. (0.39 KPa)	6.4" W.C. (1.59 KPa)
Max Supply Pressure	7.0" W.C. (1.74 KPa)	11.0" W.C. (2.74 KPa)
Min. Supply Pressure	5" W.C. (1.24 KPa)	10.6" W.C. (2.64 KPa)
Max BTU/hr Input	61,000 BTU/hr (17.8 KWh)	59,000 BTU/hr (17.3 KWh)
Min. BTU/hr Input	42,000 BTU/hr (12.3 KWh)	43,000 BTU/hr (12.6 KWh)

NEVER USE AN OPEN FLAME FOR LEAK TESTING.

Initial Installation

QUALIFIED INSTALLERS ONLY

ELECTRICAL REQUIREMENTS

The fireplace must be electrically connected and grounded in accordance with local codes or, in the absence of local codes, with the current CSA C22.1 Canadian Electrical Code Part 1, Safety Standards For Electrical Installations, or The National Electrical Code ANSI / NFPA 70 in the US.

CAUTION: When servicing controls, label all wires prior to disconnection. Wiring errors can cause improper and dangerous operation. Verify proper operation after servicing.

If any of the original wire as supplied with the appliance must be replaced, it must be replaced with 18 AWG wire with a temperature rating of 105°C

The U75I needs a hard-wired power connection in order for the unit to operate. There is also a battery pack that takes four AA batteries in case there is a power loss.

All electrical connections must be made by a certified electrician.

There is an electrical box located in the cabinet on the left side of the fireplace. The Power wire connection is to be made inside the electrical box. There is a strain relief on the outside of the cabinet to secure the wiring in place. Wire incoming power to the supplied receptacle as shown in Figure 56.

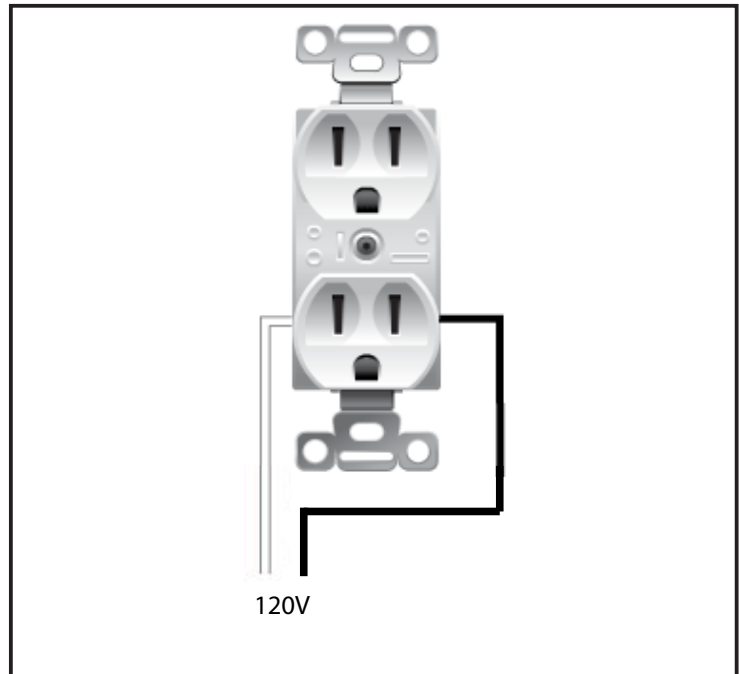


Figure 56: U75I Receptacle Wiring

Secondary Installation

BEZEL INSTALLATION

The unit comes with a set of burner bezels. There are two front bezels, two rear bezels, and two short bezels.

1. Remove the safety screen, side and bottom trim cover, and glass door.
2. Place the bezels directly onto the burner platform as shown in Figure 57. No fasteners are required.
3. Ensure that the bezels with corner cutouts go on the front.

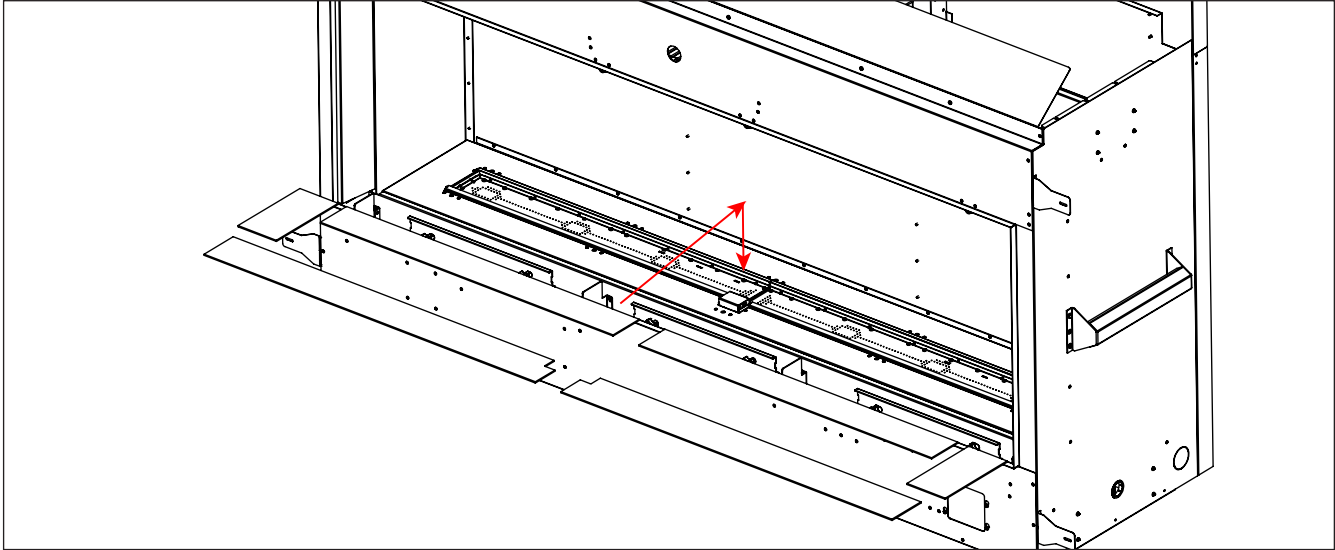


Figure 57: Burner Bezel Placement

PANEL AND MEDIA INSTALLATION

1. Remove the safety screen and glass door.
2. Place your burner media onto the burner pan (vermiculite or glass media). Create a **thin layer** that evenly covers the entire burner pan; pat it down gently. **If flame looks uneven with overly high or low sections the media can be adjusted. If flame is too high make media thicker, if low thin media out.**

WARNING: Be sure there is no media in the protected pilot area of the burner pan.

3. Remove the 3 back liner retainers from inside the firebox, loosen screws using a T-20 Torx screwdriver. Remove the left and right side as well. there is one retainer on each side. See Figure 58. The retainers are key slotted so they can be removed without removing the screws. Remove the existing steel liners starting with the sides first.
4. Ensure there is nothing on top of the media tray such as glass media or glass bezel strips. Angle the rear liner into the firebox. The panel will fit in, dont worry, place one corner in towards the back and rotate inward. Slip the liner core into the channel behind the media tray and install the rear liner retainer.

Secondary Installation

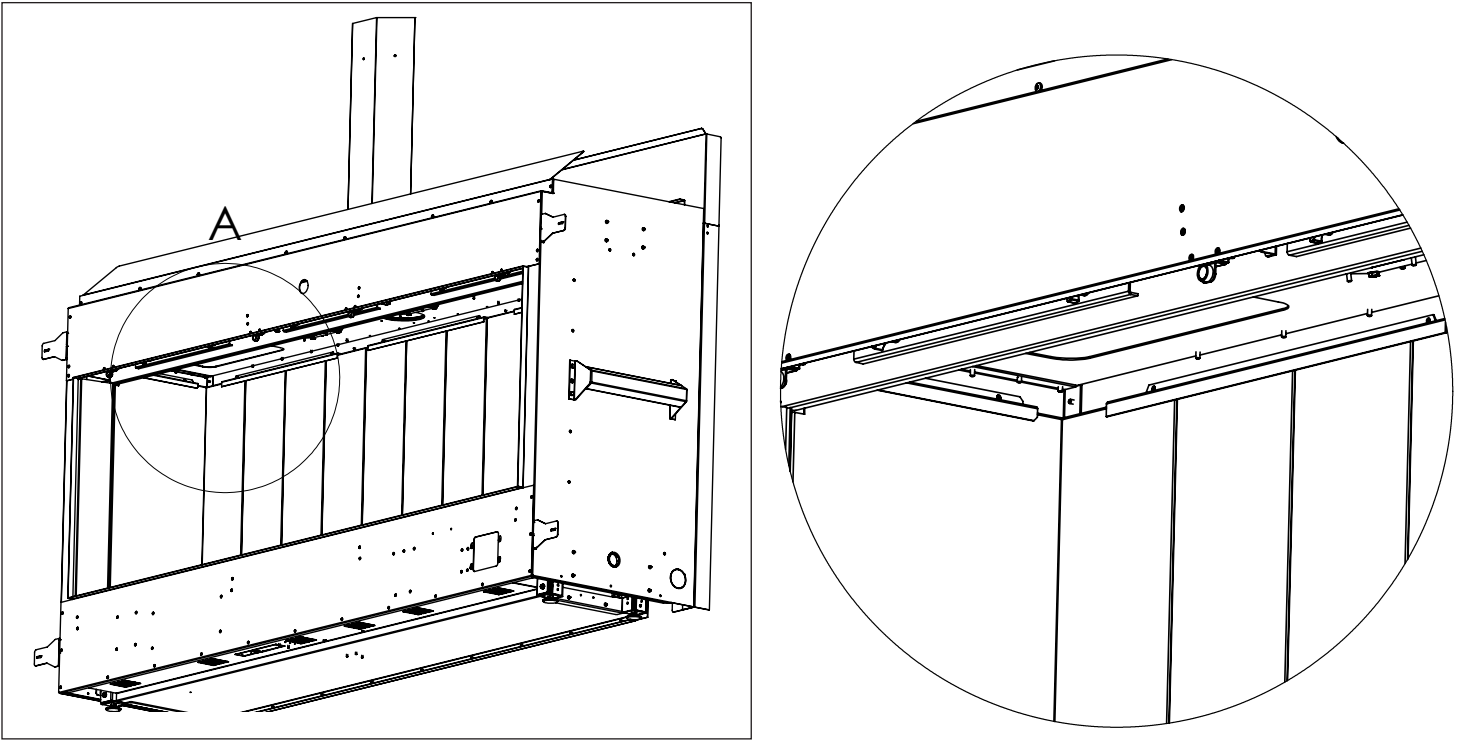


Figure 58: Panel Installation

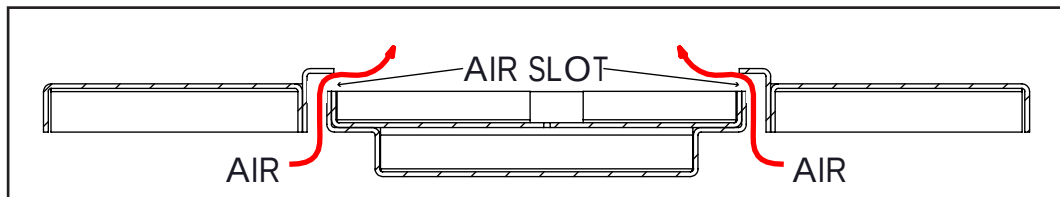


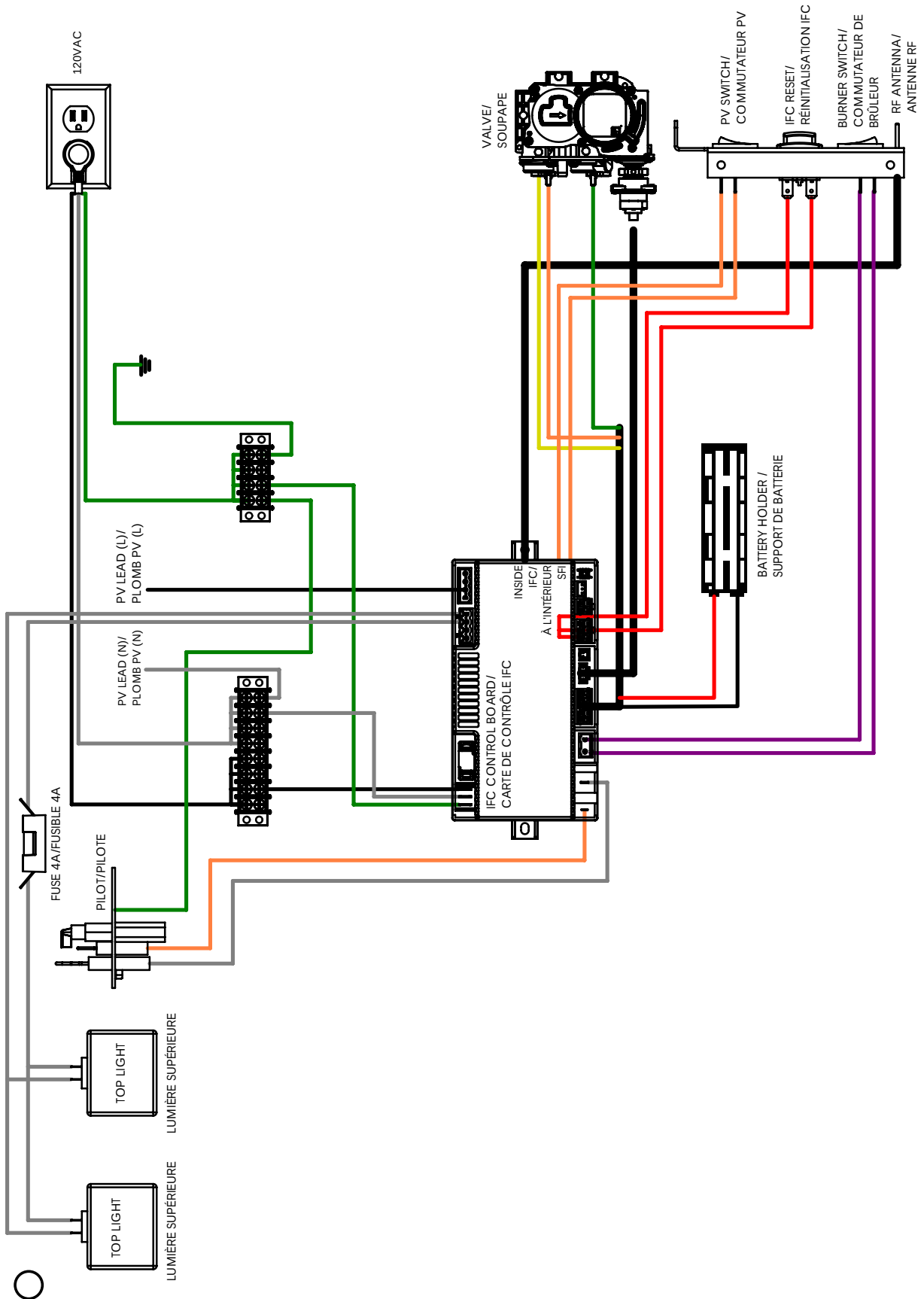
Figure 59: Burner Side Cross Section

IMPORTANT: IF THE AIR SLOT AROUND THE BURNER IS BLOCKED WITH MEDIA THIS WILL CAUSE THE FIREPLACE NOT TO BURN PROPERLY.

Note: Confirm that the flame looks similar to picture below.



Secondary Installation



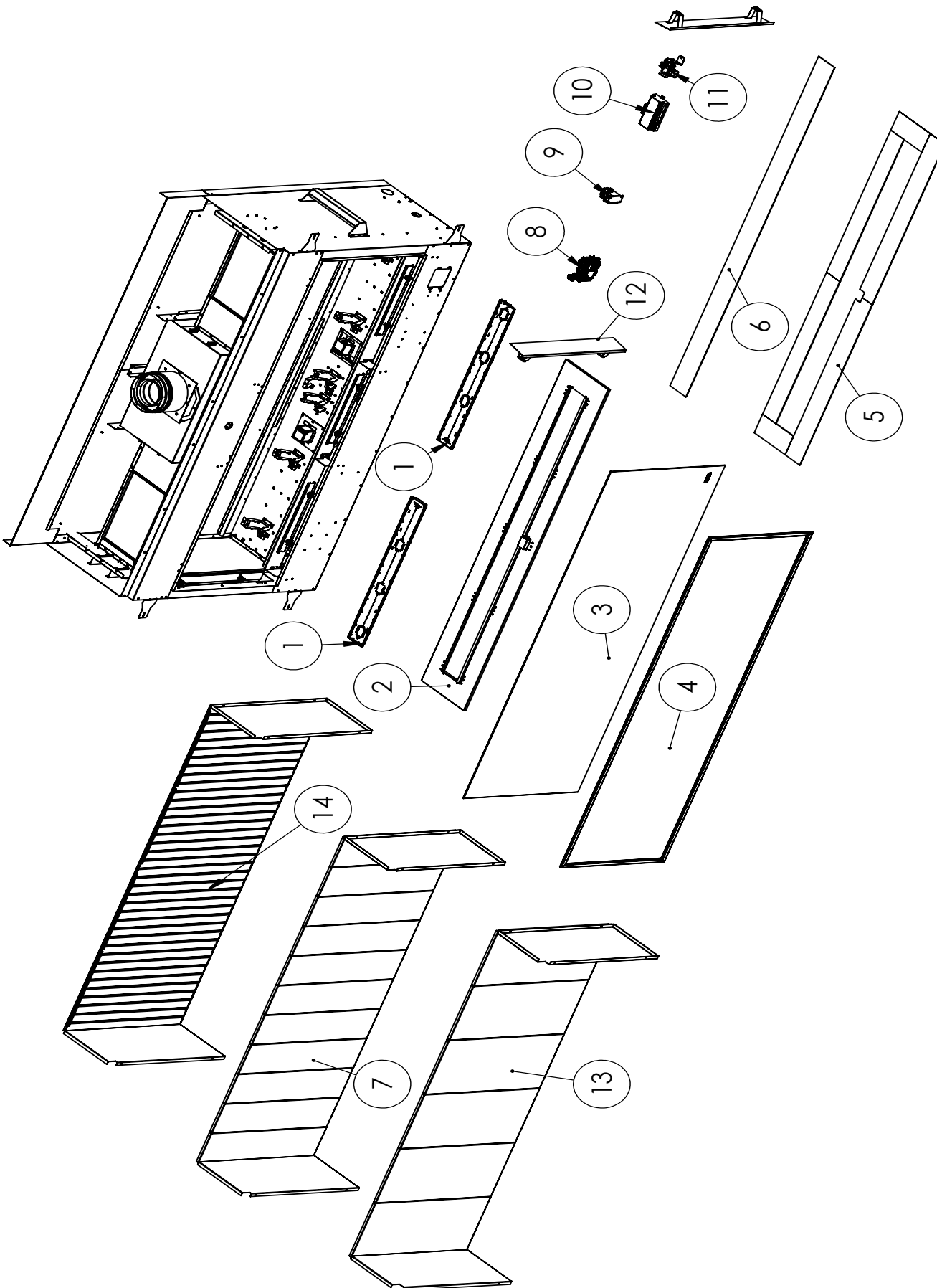
Trouble Shooting

Table 9: Troubleshooting

Problem	Possible Cause	Solution
Locking conditions	Reset the Proflame IFC board	· Turn the system off by pressing the ON/OFF button on the transmitter
		· After approximately 2 seconds press the ON/OFF button on the transmitter again.
		· In the manual flame control mode, use the down arrow button to reduce the flame to off, indicated by the word OFF displayed on the transmitter LCD screen.
		· Wait approximately 2 seconds and press the up arrow button, the ignition sequence will start.
Main burners will not start	The pilot flame has gone out	· See "Pilot will not remain lit"
	The remote control is not working correctly	· Replace the batteries
	The thermostat is disconnected or set too high	· Set the thermostat to a lower temperature
	Problem with flame sensor circuit	· Check gas line pressure
		· Check wiring to IFC for breaks
		· Check for flame impingement on flame sensor
Flame lifting	Leak in vent pipe	· Check for leaks in vent connections
	Improper vent configuration	· Check vent configuration with manual
	Terminal may be re-circulating flue gases	· Check to see if terminal is on correctly
		· May need to install high wind termination cap. · Contact dealer
Blue Flames	The heater has just been started	· Normal during start up: flame will yellow as the fireplace heats up
	Improper air shutter adjustment	· Adjust air shutter – contact your dealer
Glass fogs up	Normal condition: after the appliance warms up the glass will be clear.	**Due to additives in gas, glass may get hazy during operation** Clean as needed.
Flames are burning "dirty" or sooting	The logs are placed incorrectly	· Check log positioning
	Improper air shutter adjustment	· Increase primary air by opening the air shutter and/or by opening the vent restrictor
		· Check for proper venting and blockage of the vent termination
		· See also "Burners will not remain lit"
	Incorrect rating input	· Check manifold pressure and clock input rating for over-firing

If a particular flame is curving excessively your burner media not be evenly distributed creating an abnormal draft on the flame; position burner media in front of the secondary air slots in the affected area to slow down the draft. You can fine tune the flame this way to ensure healthy flame appearance.

Parts Diagram



Parts List

Table 10: U75I Parts List

Reference #	Part Description	Part #
1	U75I Pan Burner (1 piece)	50-4846
2	U75I Media Tray (with Pilot Cover)	50-4847
3	U75I Ceramic Glass	50-4848
4	U75I Clear View Screen	50-4849
5	U75I Steel Bezel Trim	50-4850
6	U75I Component Bezel	50-4851
7	U75I Steel Tile Liner Set	50-4852
8	S.I.T. 885 Valve w/ NG Stepper Motor	50-2682
9	Ball Valve .5 FLM to .5 NPTF	50-4853
10	Proflame 2 IFC w/ 7-Day Shutdown	50-4103
-	IPI LP Pilot Thimble (2021)	50-4080
11	Urbana Pilot Assembly	50-3946
12	U75I Glass Side Trim (1 Piece)	50-4855
-	U Series Top Light Assembly (1 Assembly)	50-3760
-	U75I Left Venturi Assembly	50-4856
-	U75I Right Venturi Assembly	50-4857
-	#32 Orifice NG (1 Piece)	50-4553
-	#51 Orifice LP (1 Piece)	50-4859
-	Suction Cup Handle (1 Piece)	50-3837
-	Screen Magnet Brackets (Set of 2 with Wing Nuts)	50-4367
-	Glass Hand Knob (Metal)	50-4279
-	ProFlame 2 IFC Wire Harness	50-3030
-	U75I Glass Bezel	50-4810
13	U75I Porcelain Liner Set	50-4808
14	U75I Steel Fluted Liner Set	50-4809
-	Replacement Fuse 3A	50-3289
-	35W Halogen Bulb	50-3291
-	U75I Owners Manual	50-4858
-	U Series Power Vent Kit	50-3883
-	12 oz. Can of Matallic Black Touch Up Paint	PAINT-12-MB

Notes

Sherwood Industries Ltd. ("Sherwood") hereby warrants, subject to the terms and conditions herein set forth, this product against defects in material and workmanship during the specified warranty period starting from the date of original purchase at retail. In the event of a defect of material or workmanship during the specified warranty period, Sherwood reserves the right to make repairs or to assess the replacement of a defective product at Sherwood's factory. The shipping costs are to be paid by the consumer. All warranties by Sherwood are set forth herein and no claim shall be made against Sherwood on any oral warranty or representation.

Conditions

- A completed warranty registration must be submitted to Sherwood within 90 days of original purchase via the online warranty registration page or via the mail-in warranty registration card provided. Have the installer fill in the installation data sheet in the back of the manual for warranty and future reference.
- This warranty applies only to the original owner in the original location from date of install.
- The unit must have been properly installed by a qualified technician or installer, and must meet all local and national building code requirements.
- The warranty does not cover removal and re-installation costs.
- Sherwood Industries Ltd. reserves the right to make changes without notice.
- Sherwood Industries Ltd. and its employees or representatives will not assume any damages, either directly or indirectly caused by improper usage, operation, installation, servicing or maintenance of this appliance.
- A proof of original purchase must be provided by you or the dealer including serial number.

Exclusions

An expanded list of exclusions is available at www.urbanafireplaces.com/warranty.html

This warranty does not cover:

- Damage as a result of improper usage or abuse.
- Damage caused from over-firing due to incorrect setup or tampering.
- Damage caused by incorrect installation.
- Any discoloration of the safety screen mesh.

To the Dealer

- Provide name, address and telephone number of purchaser and date of purchase.
- Provide date of purchase. Name of installer and dealer. Serial number of the appliance. Nature of complaint, defects or malfunction, description and part # of any parts replaced.
- Pictures or return of damaged or defective product may be required.

To the Distributor

- Sign and verify that work and information are correct.

Sherwood Industries Ltd.

6782 Oldfield Road, Victoria, BC . Canada V8M 2A3

Online warranty registration: www.urbanafireplaces.com/product-registration/

Category	One Year	Two Year	Limited Lifetime (7yr)
Parts ¹ (unit serial number required)		✓	
Firebox Liner Panels ²		✓	
Firebox			✓
Burner			✓
Ceramic Logs ³			✓
Ceramic Glass ⁴	✓		
Door Assembly			✓
Exterior Panels (excluding finish) ⁵			Up to 5 years
Electrical Components		✓	
Labour	✓		

¹ Whereas warranty has expired, replacement parts will be warrantied for 90 days from part purchase date. Labour not included. Unit serial # required.

² Excluding damage to the finish caused by improper setup of the appliance, or color changes.

³ Log set and panels excludes wear and tear or breakage caused by cleaning or service.

⁴ Glass is covered for thermal breakage. Photos of box, inside of door, and unit serial # must be supplied for breakage due to shipping.

⁵ Exterior Surface finishing covers plating, enamel or paint and excludes colour changes, chipping, and fingerprints. Travel costs not included.

Installation Data Sheet

The following information must be recorded by the installer for warranty purposes and future reference.

NAME OF OWNER:

ADDRESS:

PHONE: _____

NAME OF DEALER:

ADDRESS:

PHONE: _____

MODEL: _____

SERIAL NUMBER: _____

DATE OF PURCHASE: _____ (dd/mm/yyyy)

DATE OF INSTALLATION: _____ (dd/mm/yyyy)

☐ NATURAL GAS (NAT) ☐ PROPANE (LPG)

INLET GAS PRESSURE: _____ in wc

MAIN BURNER ORIFICE: _____ # DMS

PILOT ORIFICE # _____ OR _____ in diam.

INSTALLER'S SIGNATURE:

NAME OF INSTALLER:

ADDRESS:

PHONE: _____

MANUFACTURED BY:
SHERWOOD INDUSTRIES LTD.
6782 OLDFIELD RD. SAANICHTON, BC, CANADA V8M 2A3
www.urbanafireplaces.com
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C-17404