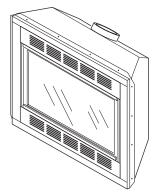


OWNER'S OPERATION AND INSTALLATION MANUAL







NATURAL GAS "TUDOR" MODELS (V)T32N-A, AND (V)TC32N **SERIES, CGDV32NR AND CTDV32NR-HA** PROPANE/LP GAS "TUDOR" MODELS (V)T32P-A, AND (V)TC32P **SERIES AND CGDV32PR**

MARNING: 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.

- 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.
 - 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.

TABLE OF CONTENTS

Safety	Cleaning and Maintenance	30
Product Identif cation	Replacement Parts	32
Local Codes4		
Product Features	Technical Service	32
Pre-Installation Preparation5	Specif cations	32
Location of Termination Cap7	Troubleshooting	33
Venting Installation9		
Fireplace Installation	Parts 3	38
Operation		
Inspecting Burners		

SAFETY

WARNING: Improper installation, adjustment, alteration, service or maintenance can cause injury or property damage. Refer to this manual for correct installation and operational procedures. For assistance or additional information consult a qualified installer, service agency or the gas supplier.

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

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

State of Massachusetts: The installation must be made by a licensed plumber or gas fitter in the Commonwealth of Massachusetts.

WARNING: This product contains and/or generates chemicals known to the State of California to cause cancer or birth defects or other reproductive harm.

IMPORTANT: Read this owner's manual carefully and completely before trying to assemble, operate or service this fireplace. Improper use of this fireplace can cause serious injury or death from burns, fire, explosions, electrical shock and carbon monoxide poisoning.

DANGER: Carbon monoxide poisoning may lead to death!

This f replace must be installed by a qualf ed (certif ed or licensed) service person. It has a sealed gas combustion chamber that uses a coaxial pipe (pipe within a pipe and having the same center) venting system. It brings in fresh air for combustion through the outer pipe and combustion gases are exhausted through the inner pipe. If the glass door assembly and venting pipe are not properly seated, connected and sealed, carbon monoxide leakage (spillage) can occur.

^{*} Aftermarket: Completion of sale, not for purpose of resale, from the manufacturer

SAFETY

Continued

Carbon Monoxide Poisoning: Early signs of carbon monoxide poisoning resemble the fu, with headaches, dizziness or nausea. If you have these signs, the freplace may not be working properly. Get fresh air at once! Have freplace serviced. Some people are more affected by carbon monoxide than others. These include pregnant women, people with heart or lung disease or anemia, those under the infuence of alcohol and those at high altitudes.

Natural and Propane/LP Gas: Natural and propane/LP gases are odorless. An odormaking agent is added to the gas. The odor helps you detect a gas leak. However , the odor added to the gas can fade. Gas may be present even though no odor exists.

Make certain you read and understand all warnings. Keep this manual for reference. It is your guide to safe and proper operation of this f replace.

WARNING: Any change to this fireplace or its controls can be dangerous.

WARNING: Do not use a blower insert, heat exchanger insert or other accessory not approved for use with this fireplace.

Do not use any solid fuels (wood, coal, paper, cardboard, etc.) in this fireplace. Use only the gas type indicated on fireplace name plate.

Carefully supervise young children when they are in the room with fireplace.

This fireplace reaches high temperatures. Keep children and adults away from hot surfaces to avoid burns or clothing ignition. Fireplace will remain hot for a time after shutdown. Allow surfaces to cool before touching.

Do not operate fireplace with glass door removed, cracked or broken.

Keep the appliance area clear and free from combustible materials, gasoline and other flammable vapors and liquids.

Do not place clothing or other flammable material on or near fireplace. Never place any objects on fireplace.

- 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 certif ed kit is used.
- For propane/LP f replace, do not place propane/LP supply tank(s) inside any structure. Locate propane/LP supply tank(s) outdoors. To prevent performance problems, do not use propane/LPfuel tank of less than 100 lbs. capacity.
- 3. If you smell gas
 - shut off gas supply
 - · 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
- 4. Never install the f replace
 - · in a recreational vehicle
 - in windy or drafty areas where curtains or other combustible (flammable) objects can make contact with the f replace front
 - · in high traff c areas
- Do not modify this f replace under any circumstances. Any parts removed for servicing must be replaced prior to operating f replace.
- Turn fireplace off and let cool before servicing, installing or repairing. Only a qualif ed service person should install, service or repair this f replace. Have f replace inspected annually by a qualifed service person.
- 7. You must keep control compartments, burners and circulating air passages clean. More frequent cleaning may be needed due to excessive lint and dust from carpeting, bedding material, etc. Turn off the gas valve and pilot light before cleaning f replace.
- 8. Have venting system inspected annually by

SAFETY Continued

- a qualif ed service person. If needed, have venting system cleaned or repaired. See Cleaning and Maintenance, page 30.
- 9. Do not use this f replace to cook food or burn paper or other objects.
- 10. This appliance, when installed, must be electrically grounded in accordance with local codes or, in the absence of local codes, with the National Electrical Code,

ANSI/NFPA 70

- 11. Do not use f replace if any part has been under water. Immediately call a qualified service person to arrange for replacement of the unit.
- 12. Do not operate f replace if log is broken.
- 13. Provide adequate clearances around air openinas.

PRODUCT IDENTIFICATION

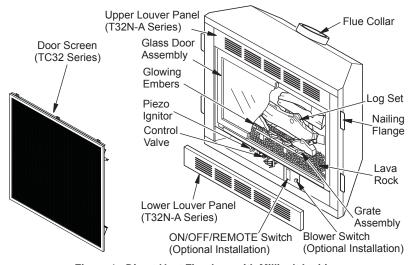


Figure 1 - Direct-Vent Fireplace with Millivolt Ignition

LOCAL CODES

Install and use freplace with care. Follow all local codes. In the absence to local codes. use the current National Fuel Gas Code ANSI 7223 1/NFPA 54*

*Available from:

American National Standards Institute, Inc. 1430 Broadway New York, NY 10018 National Fire Protection Association, Inc. Batterymarch Park Quincy, MA 02269

PRODUCT FEATURES

stand and enjoy your direct-vent f replace:

- · The venting system may be routed to the outside of your home in several ways. It may vent through the roof (vertical) or it may vent . to an outside/exterior wall (horizontal). The vent pipe installation is very important to allow for proper operation. You must follow the venting instructions very carefully for either vertical or horizontal applications.
- This f replace may be installed in any room of your house provided all local codes and these installation instructions are followed.
- This freplace does not require electricity to operate.

- These are a few facts that can help you under- Only the blower requires electricity if installed. If you plan to install the blower at a later date, outlet must be wired at the bottom of the f replace when framing.
 - A piezo ignitor and ceramic electrode create sparks to ignite the pilot light. It does not require any matches, batteries or any other sources of ignition to light the pilot.
 - · Each time you turn on your freplace, you may notice some amount of condensation on the inside of the freplace glass. This is normal and will disappear after 10-20 minutes of operation.
 - Your direct-vent gas fireplace system (freplace and venting) is a balanced and

PRODUCT FEATURES Continued

sealed gas operating unit. It requires approximately 10-20 minutes of operating time before the fame pattern stabilizes.

 Fireplaces with the suff x of -HAhave been designed to operate at altitudes of 4000 feet and above.

PRE-INSTALLATION PREPARATION

LOCATION AND SPACE REQUIREMENTS

Determine the safest and most eff cient location for your FMI PRODUCTS, LLC direct-vent f replace. Make sure that rafters and wall studs are not in the way of the venting system. Choose a location where the heat output is not affected by drafts, air conditioning ducts, windows or doors. Figure 2 shows some common locations. Be aware of all restrictions and precautions before deciding the exact location for yourf replace and termination cap.

When deciding the location of your freplace, follow these rules:

- Do not connect this freplace venting to a chimney fue serving a separate solid-fuel burning freplace or appliance.
- Due to high temperatures, do not locate this f replace in high traff c areas, windy or drafty areas or near furniture or draperies.
- · Proper clearances must be maintained.
- If your f replace is to be installed directly on carpeting, vinyl tile or any combustible material other than wood, it must be installed on a metal or wood panel extending the full width and depth of the f replace. See Figure 3.
- Your f replace is designed to be used in zero clearance installations. Wall or framing material can be placed directly against any exterior surface on the back, sides or top of your f replace, except where standof spacers are integrally attached. If standof f spacers are attached to yourf replace, these spacers can be placed directly against wall or framing material. See framing details on page 6.
- If you plan on installing a television or enter tainment center recessed above your freplace, it is recommended that you maintain a minimum 18" above top of louver opening.
- When locating termination cap, it is important to observe the minimum clearances shown in Figure 7, page 7.
- If recessing into a wall, you can avoid extra framing by positioning yourf replace against an already existing framing member.
- Do not recess termination cap into a wall or siding.
- You may paint the termination cap with 450° F heat-resistant paint to coordinate with the exterior f nish.
- There must not be any obstruction such as bushes, garden sheds, fences, decks or utility buildings within 24" from the front

of the termination cap.

- Do not locate termination cap where excessive snow or ice build up may occurBe sure to clear vent termination area after snow falls to prevent accidental blockage of venting system. When using snow blowers, do not direct snow towards vent termination area.
- For horizontal installations above 2,000 feet, it is recommended that a 12" extension pipe be added before starter elbow and a round horizontal termination be used (see <u>High Altitude Installation</u>, page 17).

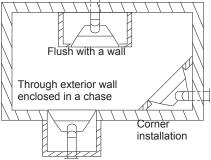


Figure 2 - Common Fireplace Locations

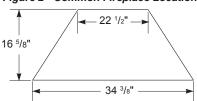


Figure 3 - Fireplace Bottom Dimensions CLEARANCES

Minimum clearances to combustibles for the freplace are as follows:

*Back and	sides		0"
Perpendic	cular walls		6"
Floor			0"
Ceiling to	louver op	ening	42"
Front			36"
Top			0"

Vent (See venting instructions for specific venting clearances.)

Combustible material with a maximum thickness of 5/8" may be f ush with top front of f replace.

* For back and sides off replace, do not pack with insulation or other materials. 0" clearance to combustible materials are for framing purpose only.

PRE-INSTALLATION PREPARATION

Continued

NOTICE: This fireplace is intended for use as supplemental heat. Use this fireplace along with your primary heating system. Do not install this fireplace as your primary heat source. If you have a central heating system, you may run system's circulating blower while using fireplace. This will help circulate the heat throughout the house. In the event of a power outage, you can use this fireplace as a heat source.

FRAMING AND FINISHING

Figure 4 shows typical framing of this replace. Figure 5 shows framing for corner installation. All minimum clearances must be met.

For available accessories for this freplace, see <u>Accessories</u> on page 37. If you are using a separate combustible mantel piece, refer to Figure 6 for proper installation height. You can install noncombustible mantels at any height above the freplace. *Note: Noncombustible mantels may discolor!*

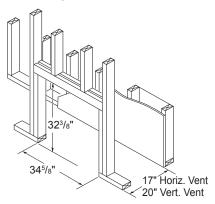


Figure 4 - Framing Clearances for Installation Against an Exterior Wall

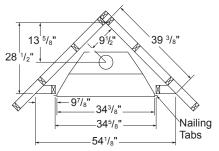
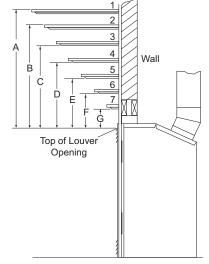


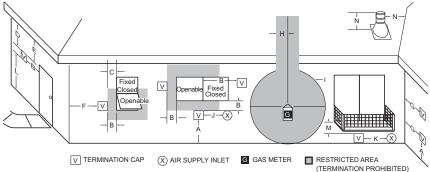
Figure 5 - Framing Clearances for Corner Installation



Ref.	Mantel Depth	Ref.	Mantel from Top of Louver Opening
1	14"	Α	16"
2	12"	В	14"
3	10"	С	12"
4	8"	D	10"
5	6"	E	8"
6	4"	F	6"
7	2"	G	4"

Figure 6 - Clearances for Combustible Mantels

LOCATION OF TERMINATION CAP



- A = clearance above grade, veranda, porch, deck, or balcony [*12" (30.5 cm) minimum]
- B = clearance to window or door that may be opened [6" (15 cm) min. for 10,000 Btu or less; 9" (23 cm) in US if between 10,000 and 50,000, 12" (30 cm) in Canada if between 10,000 and 100,000; 12" (30 cm) in US if greater than 50,000, 36" (91 cm) in Canada if greater than 100,000]
- C = clearance to permanently closed window [minimum 12" (30.5 cm) recommended to prevent condensation on windowl
- D = vertical clearance to ventilated soffit located above the terminal within a horizontal distance of 24" (61 cm) from L the center-line of the terminal [18" (45.7 cm) minimum]
- E = clearance to unventilated soffit [12" (30.5 cm) minimum] M =
- F = clearance to outside corner (see below)
- G = clearance to inside corner (see below)
- H = *not to be installed above a meter/regulator assembly within 36" (91.4 cm) horizontally from the center line of the regulator

- I = clearance to service regulator vent outlet [*72" (182.9 cm) minimum]
- J = clearance to non-mechanical air supply inlet to building or the combustion air inlet to any other fireplace [6" (15 cm) min. for 10,000 Btu or less; 9" (23 cm) in US if between 10,000 and 50,000, 12" (30 cm) in Canada if between 10,000 and 100,000; 12" (30 cm) in US if greater than 50,000, 36" (91 cm) in Canada if greater than 50,000, 36" (91 cm) in Canada if greater than 50,000 and 100,000 the control of the control o
- K = clearance to a mechanical air supply inlet [*In Canada, 6 ft. (1.83m) minimum; In US 3 ft. (91 cm) above if within 10 ft. (3 m) horizontally]
- L = † clearance above paved side-walk or a paved driveway located on public property [*84" (213.3 cm) minimum]
 - = clearance under veranda, porch, deck [*12" (30.5 cm) minimum ‡]
- N = clearance above a roof shall extend a minimum of 24" (61 cm) above the highest point when it passes through the roof surface and any other obstruction within a horizontal distance of 18" (45.7 cm)
- † vent shall not terminate directly above a side-walk or paved driveway which is located between two single family dwellings and serves both dwellings*
- ‡ only permitted if veranda, porch, deck or balconey is fully open on a minimum of 2 sides beneath the floor*
- * as specified in CAN/CSA B149 (.1 or .2) Installation Codes (1991) for Canada and U.S.A.

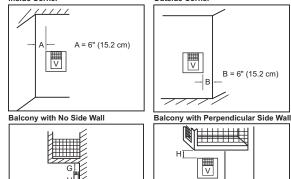
Note: Local codes or regulations may require different clearances

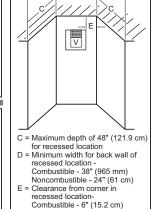
Termination Clearances for Buildings with Combustible and Noncombustible Exteriors Inside Corner Outside Corner Recessed Location

Combustible &

Noncombustible

H = 24" (61 cm) J = 20" (50.8 cm)





Noncombustible - 2" (5.1 cm)



G = 12" (30.5 cm) minimum clearance

REQUIREMENTS FOR THE COMMONWEALTH OF MASSACHUSETTS

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 f nished grade in the area of the venting, including but not limited to decks and porches, the following requirements shall be satisfed:

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 backup is installed on the foor 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.

In the event that the side wall horizontally vented gas fueled equipment is installed in a crawl space or an attic, the hard wired carbon monoxide detector with alarm and battery back-up may be installed on the next adjacent f oor level.

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.

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.

SIGNAGE

A metal or plastic identif cation 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 1/2" in size, "GAS VENT DIRECTLY BELOW. KEEP CLEAR OF ALL OBSTRUCTIONS".

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.

EXEMPTIONS: The following equipment is exempt from 248 CMR 5.08(2)(a) 1 through 4:

- 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
- 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.

MANUFACTURER REQUIREMENTS

Gas Equipment Venting System Provided When the manufacturer of ProductApproved 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:

- Detailed instructions for the installation of the venting system design or the venting system components; and
- A complete parts list for the venting system design or venting system.

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 f ue gases, but identif es "special venting systems", the following requirements shall be satisfed by the manufacturer:

- The referenced "special venting system" instructions shall be included with the appliance or equipment installation instructions; and
- 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.

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.

NOTICE: Read these instructions completely before attempting installation.

These models are tested and approved for use with FMI PRODUCTS, LLC (direct-vent) pipe components and terminations.

The venting system must terminate on the outside of the structure and can not be attached to a chimney or f ue system serving a separate solid fuel or gas burning appliance. A direct-vent appliance must have its own venting system. DO NOT common vent this appliance.

These models are approved to be vented either horizontally through an outside wall or vertically through a roof or chase enclosure using the following guidelines:

- When venting system terminates horizontally on an outside wall, you may install a standoff if the termination cap is to be installed directly on a combustible f nish such as vinyl, wood, stucco, etc.
- Never run the vent downward as this may cause excessive temperatures which could cause a f re.
- Vent pipe air space clearances to combustibles are 1" on all sides except on the horizontal sections, which requires 2" clearance from the top of the pipe. Where the termination cap penetrates a combustible wall, 1" air space clearance is required.
- Snorkel terminations are required when minimum clearance to grade cannot be met (see Figure 16 on page 13).
- Have f replace and selected vent components on hand to help determine the exact measurements when elbowing or ofsetting.
 Always use wall f restops when penetrating walls and f restops when penetrating ceilings or attic spaces.
- If using a venting con f guration of only horizontal venting with no vertical run, a 1/4" rise for every 12" of run toward the termination is required.
- For installation of f replace at elevations of 4000 feet or greater, pay special attention to venting requirement recommendations.

WARNING: Read all instructions completely and thoroughly before attempting installation. Failure to do so could result in serious injury, property damage or loss of life.

NOTICE: Failure to follow these instructions will void the warranty.

NOTICE: Do not seal vent cap to pipe. Cap must be removable for service.

INSTALLATION PRECAUTIONS

- Wear gloves and safety glasses for protection
- Use extreme caution when using ladders or when on roof tops
- Be aware of electrical wiring locations in walls and ceilings

The following actions will void the warranty on your venting system:

- Installation of any damaged venting component
- Unauthorized modif cation of the venting system (Do not cut or alter vent components)
- Installation of any component part not manufactured or approved by FMI PROD-UCTS, LLC
- Installation other than as instructed by these instructions

WARNING: This gas fireplace and vent assembly must be vented directly to the outside. The venting system must NEVER be attached to a chimney serving a separate solid fuel burning appliance. Each direct-vent gas appliance must use a separate vent system. Do not use common vent systems.

WARNING: Vent pipe air space clearances to combustibles are 1" on all sides except on the horizontal sections, which require 2" clearances from the top of the pipe. Where the termination cap penetrates a combustible wall, 1" air space clearance is required.

Continued

INSTALLATION PLANNING

There are two basic types of direct-vent installation:

- Horizontal Termination
- Vertical Termination

Horizontal Termination Installation

IMPORTANT: Horizontal square terminations require only inner portion of wall frestop. Horizontal installations using round termination require exterior portion of wall frestop available only in vent kit HTK (see Figure 14, page 12).

- 1. Set freplace in its desired location and determine the route your horizontal venting will take. Do not secure freplace until all venting has been installed. Some installations require sliding freplace in and out of position to make fnal venting connections. Figures 14 through 18 on pages 12 through 14 show different conf gurations for venting with horizontal termination that will help you decide which application best suits your installation. Check to see if wall studs or roof rafters are in the path of your desired venting route. If they are, you may want to adjust the location of the freplace.
- Direct vent pipe sections and components are designed with special twist-lock connections.

Twist-Lock Procedure: Female ends of pipes have locking lugs (indentations). These lugs will slide straight into matching slots on male ends of adjacent pipes. Push pipe sections together and twist one section clockwise approximately one-quarter turn until sections are fully locked (see Figure 8). Note: Horizontal runs of vent must be supported every three feet. Use wall straps for this purpose.

- Use a 45° elbow to connect venting system to f replace f ue collar. The elbow is designed to be twist-locked ontof ue collar as described in step 2. *IMPORTANT*: Do not attempt to alter corf guration of elbow by cutting, twisting, bending, etc.
- 4. Assemble desired combination of pipe and elbows to f replace f ue collar. If there are long portions of venting run, preassembled pipe sections may be installed as subassemblies for convenience.

5. Carefully determine location where vent pipe assembly will penetrate the outside wall. The center of hole should line up with center line of horizontal vent pipe. Mark wall for a 11 ¹/₂" x 11 ¹/₂" square hole. Cut and frame the square hole in exterior wall where vent will be terminated. If wall being penetrated is constructed of noncombustible material, such as masonry block or concrete, a 8 ¹/₂" hole with zero clearance is acceptable (see Figure 9).

WARNING: Do not recess vent termination into any wall. This will cause a fire hazard.

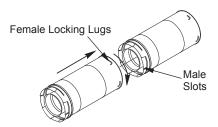


Figure 8 - Vent Pipe Connections

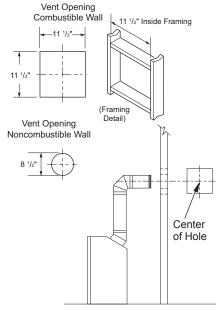


Figure 9 - Vent Opening Requirements

Continued

6. Noncombustible Exterior Wall: Position horizontal vent cap in center of the 8 1/2" round hole and attach to exterior wall with four screws (see Figure 10). Note: The four wood screws provided should be replaced with appropriate fasteners for stucco, brick, concrete or other types of sidings. Before attaching vent cap to exterior wall, run a bead of non-hardening mastic (pliable sealant) around outside edges to make a seal between it and outside wall.

Combustible Exterior Wall: For vinyl siding, stucco or wood exteriors, a siding standoff may be installed between vent cap and exterior wall. Siding standof f prevents excessive heat from damaging siding materials. Siding material must be cut to accommodate standoff. Bolt vent cap to standoff. Apply non-hardening mastic around outside edge of standof f. Position standoff/cap assembly in center of the 11 ½ square hole and attach to exterior wall with wood screws provided (see Figure 11). Siding standoff must sit f ush against exterior fascia material.

 Connecting Vent Cap with Horizontal Vent Pipe: Slide wall f restop over vent pipe before connecting horizontal run to vent cap (see Figure 12).

Carefully move f replace, with vent assembly attached, toward wall and insert vent pipe into horizontal termination. The pipe overlap should be a minimum of 11/4" (see Figure 13, page 12).

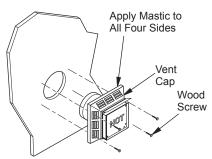


Figure 10 - Installing Horizontal Vent Cap (Noncombustible Exterior)

Slide wall frestop against interior wall surface and attach with screws provided (see Figure 12). See Figure 13, page 12, for horizontal termination details.

Place f replace into position and shim with noncombustible material if needed. Nail or screw side f anges to framing to secure unit in place. *IMPORTANT*: Make sure f replace is level before securing. Iff replace is not level it will not work properly.

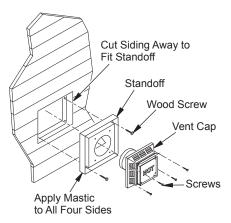


Figure 11 - Installing Siding Standoff (Combustible Exterior)

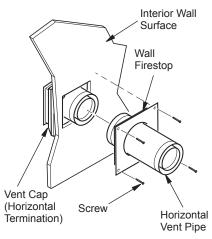


Figure 12 - Connecting Vent Cap with Horizontal Vent Pipe

Continued

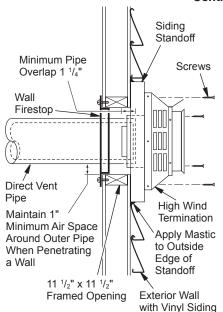


Figure 13 - Typical Horizontal Termination Cap Mounting with Additional Siding Standoff Installed

Horizontal Termination Configurations

Figures 14 through 18 show different conf gurations and alternatives for venting with horizontal termination. Each f gure includes a chart with critical minimum and maximum dimensions which MUST be met. *IMPORTANT*: If using a venting conf guration of only horizontal venting with no vertical run, a 1/4" rise for every 12" of run toward termination is required.

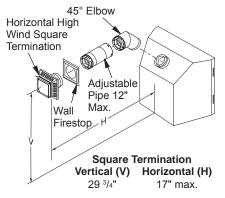
NOTICE: Do not seal termination cap to vent pipe. Cap must be removable for vent inspection and maintenance.

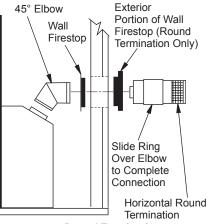
WARNING: Never run vent downward as this may cause excessive temperatures which could cause a fire. Operation of improperly installed and maintained venting system could result in serious injury, property damage or loss of life.

GROUND FLOOR INSTALLATION

Recommended Applications:

- · Installation using cabinet surrounds
- Through the wall using round or square termination (up to 12") adjustable pipe)
- NOT FOR CORNER INSTALLATION





Round Termination (Kit HTK Shown)

Figure 14 - Horizontal Termination Configuration for Square or Round Termination

Continued

CORNER INSTALLATION

Recommended Applications:

- · Corner ground f oor installation
- Ground f oor installation where pipe vents horizontally through wall (over 12" horizontal pipe)
- Basement installation where one foot clearance from ground to termination is possible

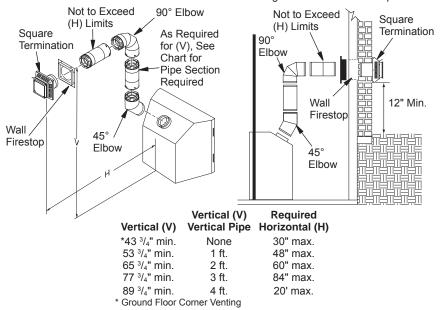


Figure 15 - Horizontal Termination Configuration for Corner Installation Using One 90° Elbow

SNORKEL TERMINATION INSTALLATION Recommended Applications:

- Installations requiring a vertical rise on building exterior
- Any installation using snorkel termination to achieve one foot above ground

Snorkel terminations are available for installations requiring a vertical rise on exterior of building. If installing snorkel termination below grade, you must provide proper drainage to prevent water from entering snorkel termination (see Figure 16). Do not back fll around snorkel termination.

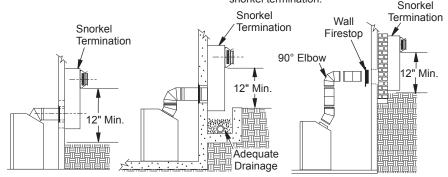


Figure 16 - Snorkel Termination Configurations for Below Ground Installation

Continued

HORIZONTAL SYSTEM INSTALLATION USING TWO 90° ELBOWS

The following conf gurations show the minimum vertical rise requirements for a horizontal system using two 90° elbows.

Venting with Two 90° Elbows

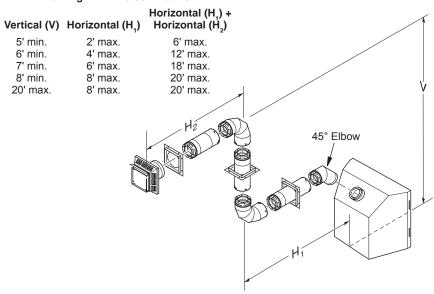


Figure 17 - Horizontal Termination Configuration for Venting Using Two 90° Elbows

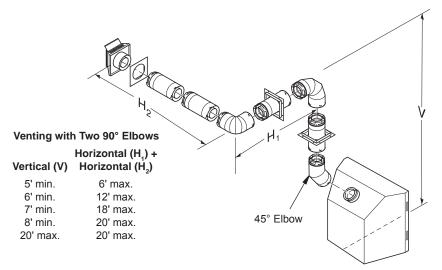


Figure 18 - Horizontal Termination Configuration for Venting Using Two 90° Elbows with Termination at 90° with Fireplace

Continued

INSTALLATION FOR VERTICAL **TERMINATION**

Note: Vertical restrictor must be installed in all vertical installations.

- 1. Determine route your vertical venting will take. If ceiling joists, roof rafters or other framing will obstruct venting system, consider an offset (see Figure 19) to avoid cutting load bearing members. Note: Pav special attention to these installation instructions for required clearances (air space) to combustibles when passing through ceilings, walls, roofs, enclosures, attic rafters, etc. Do not pack air spaces with insulation. Also note maximum vertical rise of venting system and any maximum horizontal offset limitations.
- Set f replace in desired location. Drop a plumb line down from ceiling to position of freplace exit fue. Mark center point where vent will penetrate ceiling. Drill a small locating hole at this point. Drop a plumb line from inside of roof to locating hole in ceiling. Mark center point where vent will penetrate roof. Drill a small locating hole at this point.

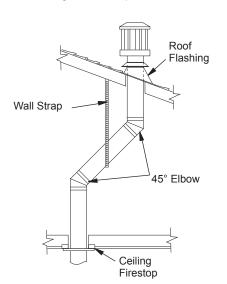


Figure 19 - Offset with Wall Strap and 45° **Elbows**

Flat Ceiling Installation

- 1. Cut a 11 1/2" square hole in ceiling using locating hole as a center point. Opening should be framed to 1 1 1/2" x 11 1/2" inside dimensions, as shown in Figure 9 on page 10 using framing lumber the same size as ceiling joists. If area above the ceiling is an insulated ceiling or an attic, nail frestop from top side. This prevents loose insulation from falling into required clearance space. If area above ceiling is a living space, install f restop below framed hole. Firestop should be installed with no less than 3 nails per side (see Figure 20).
- 2. Assemble desired lengths of pipe and elbows necessary to reach fromf replace fue up through frestop. Be sure all pipe and elbow connections are fully twistlocked (see Figure 8, page 10).
- 3. Cut a hole in roof using locating hole as a center point. (Cover any exposed open vent pipes before cutting hole in roof.)The 11 $\frac{1}{2}$ " x 11 $\frac{1}{2}$ " hole must be measured on the horizontal: actual length may be larger depending on pitch of roof. There must be a 1" clearance from vent pipe to combustible materials. Frame opening as shown in Figure 9, page 10.
- 4. Connect a section of pipe and extend up through hole.
 - Note: If an offset is needed to avoid obstructions, you must support vent pipe every 3 feet. Use wall straps for this purpose (see Figure 19). Whenever possible. use 45° elbows instead of 90° elbows. The 45° elbow offers less restriction to the flow of flue gases and intake air.
- 5. Place fashing over pipe section(s) extending through roof. Secure base of f ashing to roof and framing with roo f ng nails. Be sure roofing material overlaps top edge of fashing as shown in Figure 19. There must be a 1" clearance from

If area above is an attic or insulated above framed hole.

If area above is a living space, install area, install f restop f restop below framed hole.





Figure 20 - Installing Firestop

Continued

- vent pipe to combustible materials.
- 6. Continue to add pipe sections until height of vent cap meets the minimum building code requirements described in Figure 7 on page 8. Note: You must increase vent height for steep roof pitches. Nearby trees, adjoining rooflines, steep pitched roofs and other similar factors may cause poor draft or down-drafting in high winds. Increasing vent height may solve this problem.
- 7. Twist-lock vent cap onto last section of vent pipe.

Note: If vent pipe passes through any occupied areas above first floor, including storage spaces and closets, you must enclose pipe. You may frame and sheetrock enclosure with standard construction material. Make sure and meet minimum allowable clearances to combustibles. Do not fill any required air spaces with insulation.

Vertical Termination Configurations

Figures 21 through 24 show four dif ferent configurations for vertical termination.

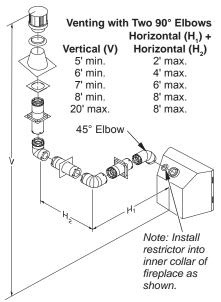


Figure 21 - Vertical Venting Configuration Using Two 90° Elbows with Two Horizontal Runs (Vertical Round High Wind Termination Shown)

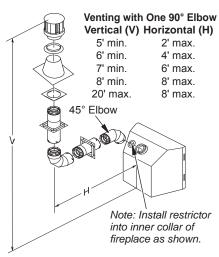
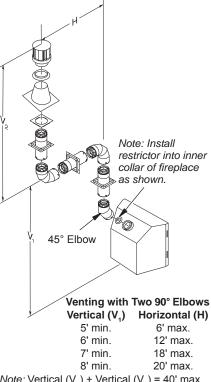


Figure 22 - Vertical Venting Configuration Using One 90° Elbow (Vertical Round High Wind Termination Shown)



Note: Vertical (V_1) + Vertical (V_2) = 40' max.

Figure 23 - Vertical Venting Configuration Using Two 90° Elbows (Vertical Round High Wind Termination Shown)

Continued

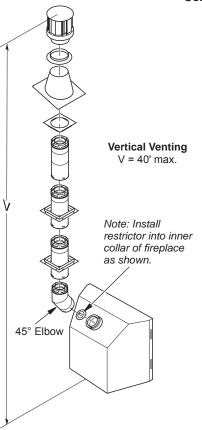


Figure 24 - Vertical Venting Configuration With No Horizontal Run (Vertical Round High Wind Termination Shown)

HIGH ALTITUDE INSTALLATION

Your FMI PRODUCTS, LLC direct-vent freplace has been tested and approved for elevations from 0-2000 feet (USA).

Fireplaces for High Altitude (models ending in -HA) are for installation above 4000 feet only. These f replaces are equipped with parts specif c for higher altitudes.

When installing a non-high altitude f replace at an elevation above 2000 feet (in the USA), you may need to decrease the input rating by changing the existing burner ori f ce to a smaller size. Reduce input 4% for each 1000 feet above sea level. Check with your local gas company for proper orif ce size identif cation.

IMPORTANT: For horizontal installations above 2,000 feet, it is recommended that a 12" extension pipe be added before

starter elbow (see Figure 25) and a round horizontal termination be used.

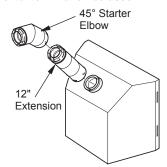


Figure 25 - Recommended 12" Extension for High Altitude Installation

PARTS LIST FOR VENTING KITS AND COMPONENTS

FMI PRODUCTS, LLC (5"/8") Pipe & Vent Kits

Number	Description

P58-6 6" Section Double Wall Pipe, Galvanized

P58-12 12" Section Double Wall Pipe,

Galvanized
P58-24 24" Section Double Wall Pipe,

Galvanized
P58-36 36" Section Double Wall Pipe.

Galvanized
P58-48 48" Section Double Wall Pipe,

P58-48 48" Section Double Wall Pipe, Galvanized

PA58-712 Adjustable 7"-12" Section Double Wall Pipe, Galvanized E58-45 45° Elbow. Galvanized

E58-90 90° Elbow, Galvanized

VKG-58 Ground Floor Vent Kit, Galvanized (Includes: 45° Elbow, 7"-12" Adjustable Pipe, Wall Firestop, Horizontal Square Termination. 16 Screws)

VKB-58 Basement Vent Kit, Galvanized (Includes: 45° Elbow, 7"-12" Adjustable Pipe, Wall Firestop, Horizontal Square Termination, 4' Pipe, 90° Elbow, 20 Screws)

VKS-58 Snorkel Vent Kit, Galvanized (Includes: 45° Elbow, 7"-12" Adjustable Pipe, Wall Firestop, 36" Snorkel Termination, 4' Pipe, 1' Pipe, 90° Elbow, 26 Screws)

VKR-58 Roof Vent Kit, Galvanized (Includes: 45° Elbow, 7"-12" Adjustable Pipe, Flue Restrictor, Vertical High Wind Termination, 2' Pipe, 4' Pipe, Wall Firestop, Storm Collar, Roof Flashing [0/12 - 6/12], 26 Screws)

Continued

Number	<u>Description</u>	Number	<u>Description</u>
VKC-58	Corner Vent Kit, Galvanized (Includes 45° Elbow, 7"-12"	ST-58-14	14" Snorkel Termination, Galva- nized
	Adjustable Pipe, Wall Firestop,	ST-58-36	36" Snorkel Termination, Galvanized
	Horizontal Termination, 6" Pipe,	SC-58	Storm Collar, Galvanized
	90° Elbow, 18 Screws)	WF-58	Wall Firestop, Galvanized
HHTK-58	High Wind Round Horizontal Termination Kit (Includes Round Termina-	RF-58-6	Roof Flashing - 0 to 6/12 Pitch, Galvanized
	tion, Wall Firestop, 45° Elbow)	RF-58-12	Roof Flashing - 6/12 to 12/12
HHT-58	High Wind Round Termination		Pitch, Galvanized
	Kit, Galvanized	VR-58	Vertical Restrictor, Galvanized
HTK-58	Horizontal Round Termination	S-58	Vinyl Siding Standoff, Galvanized
	Kit (Includes Round Termination,	WS-58	Wall Strap
	Wall Firestop, 45° Elbow)	CS-58	Cathedral Ceiling Support
HT-58	Horizontal Round Termination,	FP-58	Firestop Plate
	Galvanized	SF-58	Stucco Flashing - For use with
HTS-58	Horizontal Square Termination,		HTS-58
	Galvanized	RF-58	Flat Roof Flashing
HTKS-58	Horizontal Square Termination	PF58-927	Flex Pipe Section 9" to 24"
	Kit (Includes: Square Termina-	PF58-1236	Flex Pipe Section 12" to 36"
	tion, Wall Firestop, 45° Elbow)	PF58-1854	Flex Pipe Section 18" to 54"
HTS-58	Horizontal Square Termination,		Flex Kit (Includes Flex Pipe Wall
	Galvanized	VIXI 30-321	Section 9" to 27", Firestop and
VT-58	Vertical Round Termination, Galvanized		Horizontal Square Termination)

FIREPLACE INSTALLATION

CHECK GAS TYPE

Use proper gas type for freplace unit you are installing. If your gas supply is not correct, do not install freplace. See retailer where you purchased freplace for proper freplace according to your gas type or to purchase gas conversion kit (see <u>Accessories</u>, page 37).

INSTALLING OPTIONAL BLOWER ACCESSORY

NOTICE: If installing blower in an existing fireplace with gas connections, shut off gas supply and disconnect heater from gas supply. Contact a qualified service person to do this.

WARNING: If there is a duplex electrical outlet installed in the right side of the bottom of the fireplace base area, be sure that the electrical power to the outlet is turned off before proceeding with blower installation. Failure to do this may result in serious injury.

18

Model BK Installation

Follow all instructions provided in blower accessory kit.

- Attach power cord to blower motor by frmly pushing two female terminals at end of power cord onto two spade terminals on blower motor (see Figure 26).
- Attach green ground wire from power cord to blower housing using screw provided (see Figure 26). Tighten screws securely.
- Place blower against lower rear wall of f rebox outer wrapper with exhaust port directed upward. Blower willf t inside back opening and be held in position against back wall by magnets (see Figure 26).

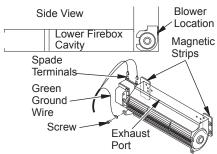


Figure 26 - Blower Model BK

Continued

- Be certain that all wire terminals are securely attached to terminals on blower motor and that screw retaining green ground wire is tight.
- Mount speed control box to switch bracket by placing plastic control shaft forward through opening in switch bracket (see Figure 27).
- While supporting speed control, secure control shaft with lock nut by pushing and turning lock nut with pliers clockwise until it is tight against front panel. Place provided control knob on shaft.
- Turn on power to duplex outlet if previously turned off per warning in column 2, page 18.
- 8. Plug in blower power cord.
 - a. If your frebox is installed as a freestanding unit with an accessory mantel, determine whether power cord will exit left side or right side of frebox. Route power cord through exit hole and plug power cord into a wall receptacle near frebox.
 - b. If your f rebox installation is recessed and/or prewired, plug power cord into duplex outlet provided. Refer to your f rebox owner's manual for instructions on wiring duplex outlet.

CAUTION: Never touch blower wheel while in operation.

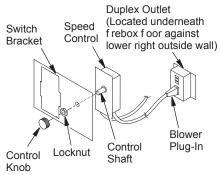


Figure 27 - Attaching Speed Control to Firebox

- Check to make sure that power cord is completely clear of blower wheel and that there are no other foreign objects in blower wheel. Turn blower on and check for operation. Turn blower off by turning knob fully counterclockwise before continuing.
- Peel off backing paper and stick supplied wiring diagram decal on f rebox bottom approximately 12" in front of blower (see Figure 28).

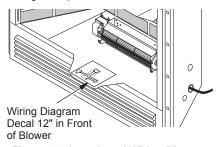


Figure 28 - Location of Wiring Diagram
Decal (Model May Vary From Illustration)

Model BKT Installation

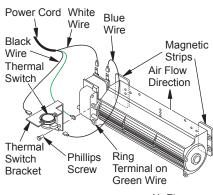
Note: When installing BKT thermostatically controlled blower, you must first secure thermal switch bracket to blower if it has not already been factory installed.

- Place green ground wire with ring terminal between bottom hole on thermal switch bracket and top ear hole on blower assembly. Insert Phillips screw into all three pieces and tighten securely (see Figure 29, page 20).
- Connect wire harness and power cord terminals. Connect blue jumper wire to blower motor terminal and right side terminal of thermal switch. Connect black wire to left side of thermal switch and white wire to other remaining blower motor terminal.

Note: The power cord outer insulation sleeve may have to be stripped slightly to allow enough wire length to reach and make all connections. DO NOT trim excessive length away. Enable just enough to make all connections securely.

Continued

- Place blower against lower rear wall of f rebox outer wrapper with exhaust port directed upward and thermodisc positioned up near fireplace bottom. Thermodisc must be oriented near f replace bottom as shown in Figure 29, in order to sense temperature and properly operate. Blower will be held in position against back wall by magnets incorporated onto blower housing (see Figure 29).
- Be certain that all wire terminals are securely attached to terminals on blower motor and thermal switch and that screw for thermodisc bracket and green ground wire is tight.
- Mount speed control box against mount ing plate provided in lower fireplace cavity by placing plastic control shaft forward through round hole (see Figure 27, page 19).
- While supporting speed control, secure control shaft with lock nut by pushing and turning lock nut with pliers clockwise until it is tight against mounting plate. Place control knob provided on shaft (see Figure 27, page 19).



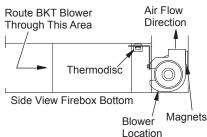


Figure 29 - Blower Model BKT

- Check to make sure that power cord is completely clear of blower wheel and that there are no other foreign objects in blower wheel. Also double check all wire leads and make sure wire routing is not pinched or in a precarious position. Correct accordingly.
- Turn on power to duplex outlet if previously turned off per warning in column 2, page 17.
- Plug in blower power cord to duplex outlet.
- 10. Blower will only run when speed control knob is in the ON position and thermal switch senses temperature afterf replace begins to heat up. Blower speed can be adjusted by rotating control knob. To turn off, turn knob fully counterclockwise until it clicks off. If blower is ON and has been running with f replace operating, blower will continue to run for a short time after f replace has been turned off. As thermal switch cools down, blower shuts down automatically.
- 11. Peel off the backing paper and stick the supplied wiring diagram decal on the f rebox bottom approximately 12" in front of the blower (see Figure 28, page 19).

Blower Wiring Diagram

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

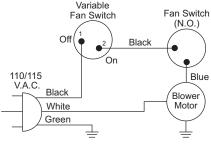


Figure 30 - Blower Wiring Diagram for Thermostat-Controlled Models

Continued

INSTALLING GAS PIPING TO FIREPLACE LOCATION

WARNING: A qualified service person must connect fireplace to gas supply. Follow all local codes.

CAUTION: For propane/LP units, never connect fireplace directly to the propane/LP supply. This heater requires an external regulator (not supplied). Install the external regulator between the fireplace and propane/LP supply.

WARNING: For natural gas, never connect heater to private (non-utility) gas wells. This gas is commonly known as wellhead gas.

Installation Items Needed

Before installing freplace, make sure you have the items listed below.

- external regulator (supplied by installer)
- piping (check local codes)
- sealant (resistant to propane/LP gas)
- · equipment shutoff valve *
- · test gauge connection *
- · sediment trap
- · tee joint
- · pipe wrench
- approved f exible gas line with gas connector (if allowed by local codes)
- * An equipment shutoff valve with 1/8" NPT tap is an acceptable alternative to test gauge connection. Purchase the equipment shutoff valve from your retailer.

For propane/LP connection only, the installer must supply an external regulator. The external regulator will reduce incoming gas pressure. You must reduce incoming gas pressure to between 11" and 14" of water. If you do not reduce incoming gas pressure.

f replace regulator damage could occur Install external regulator with the vent pointing down as shown in Figure 31. Pointing the vent down protects it from freezing rain or sleet.

CAUTION: Use only new, black iron or steel pipe. Internally-tinned copper tubing may be used in certain areas. Check your local codes. Use pipe of 1/2" inside diameter or greater to allow proper gas volume to fireplace. If pipe is too small, undue loss of volume will occur.

Installation must include an equipment shutof valve, union and plugged 1/8" NPTtap. Locate NPT tap within reach for test gauge hook up. NPT tap must be upstream fromf replace (see Figure 32, page 22).

IMPORTANT: Install main gas valve (equipment shutoff valve) in an accessible location. The main gas valve is for turning on or shutting off the gas to the appliance.

Check your building codes for any special requirements for locating equipment shutof f valve to f replaces.

Apply pipe joint sealant lightly to male NPT threads. This will prevent excess sealant from going into pipe. Excess sealant in pipe could result in cloqged f replace valves.

WARNING: Use pipe joint sealant that is resistant to liquid petroleum (LP) gas.

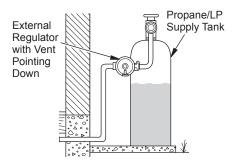


Figure 31 - External Regulator with Vent Pointing Down (Propane/LP Only)

Continued

We recommend that you install a sediment trap/drip leg in supply line as shown in Figure 32. Locate sediment trap/drip leg where it is within reach for cleaning. Install in piping system between fuel supply andf replace. Locate sediment trap/drip leg where trapped matter is not likely to freeze. A sediment trap traps moisture and contaminants. This keeps them from going into f replace gas controls. If sediment trap/drip leg is not installed or is installed wrong, f replace may not run properly.

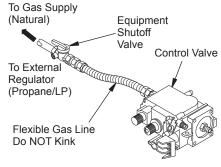


Figure 33 - Connecting Flexible Gas Line to Millivolt Valve

CHECKING GAS CONNECTIONS

WARNING: Test all gas piping and connections, internal and external to unit, for leaks after installing or servicing. Correct all leaks at once.

WARNING: Never use an open flame to check for a leak. Apply noncorrosive leak detection fluid to all joints. Bubbles forming show a leak. Correct all leaks at once.

Equipment Shutoff Valve with 1/8" NPT Tap^{*} Natural - From Gas Meter (5.5" W.C. to 10.5" W.C. Pressure) Propane/LP From External Regulator (11" Approved W.C. to 14" Flexible Gas W.C. Pressure) Line 3" Minimum Pipe Nipple Tee Joint Sediment Trap/Drip Leg

Figure 32 - Gas Connection

* The equipment shutoff valve may be supplied with the appliance or you can purchase it from your retailer.

CONNECTING FIREPLACE TO GAS SUPPLY

Installation Items Needed

- 5/16" hex socket wrench or nut-driver
- sealant (resistant to propane/LP gas, not provided)
- 1. Open lower louver door panel by gently pulling forward.
- Route f exible gas line (provided by installer) from equipment shutof f valve to f replace. Route f exible gas supply line through one of the access holes on side of f replace.
- 3. Attach f exible gas line from gas supply to control valve (see Figure 33).
- 4. Check all gas connections for leaks. See *Checking Gas Connections*.

PRESSURE TESTING GAS SUPPLY PIPING SYSTEM

Test Pressures In Excess Of 1/2 PSIG (3.5 kPa)

- Disconnect f replace and its individual equipment shutoff valve from gas supply piping system. Pressures in excess of 1/2 psig (3.5 kPa) will damage f replace gas regulator.
- 2. Cap off open end of gas pipe where equip ment shutoff valve was connected.
- Pressurize supply piping system by either opening propane/LP supply tank valve for propane/LP gas f replace or opening main gas valve located on or near gas meter for natural gas f replace or using compressed air.
- Check all joints of gas supply piping system. Apply noncorrosive leak detection f uid to all joints. Bubbles forming show a leak. Correct all leaks at once.
- Reconnect fireplace and equipment shutoff valve to gas supply Check reconnected f ttings for leaks.

Continued

Test Pressures Equal To or Less Than 1/2 PSIG (3.5 kPa)

- 1. Close equipment shutoff valve (see Figure 34).
- Pressurize supply piping system by either opening propane/LP supply tank valve for propane/LP gas f replace or opening main gas valve located on or near gas meter for natural gas f replace or using compressed air.
- Check all joints from propane/LP supply tank for propane/LP or gas meter for natural gas to equipment shutof f valve (see Figure 35 or Figure 36). Apply noncorrosive leak detection f uid to all joints. Bubbles forming show a leak. Correct all leaks at once.

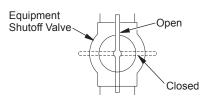


Figure 34 - Equipment Shutoff Valve

Equipment Shutoff Valve

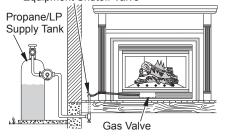


Figure 35 - Checking Gas Joints for Propane/LP Gas Fireplace



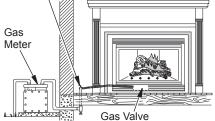


Figure 36 - Checking Gas Joints for Natural Gas Fireplace

PRESSURE TESTING FIREPLACE GAS CONNECTIONS

- Open equipment shutoff valve (see Figure 34).
- Open main gas valve located on or near gas meter for natural gas or open supply tank valve for propane/LP gas.
- 3. Make sure control knob of f replace is in the OFF position.
- Check all joints from equipment shutof f valve to gas valve (see Figure 35 or Figure 36). Apply noncorrosive leak detection f uid to all joints. Bubbles forming show a leak. Correct all leaks at once.
- 5. Light f replace (see *Operation*, page 27). Check all other internal joints for leaks.
- 6. Turn off f replace (see <u>To Turn Off Gas to Appliance</u>, page 28).

INSTALLING OPTIONAL WALL MOUNT SWITCH - GWMS2

- Connect one terminal of 25 ft. wire for wall switch to TPTH terminal on valve. Connect remaining wire terminal to TH terminal on valve. Make sure that wire terminals are in positions on unit as pictured in Figure 37. If wires are not connected as shown the switch will not work.
- Route 25 ft. wire through openings provided on sides of burner system to a convenient location to mount your switch.
- Connect one bare wire end to each of the terminals of the GWMS2 wall switch.
- Install wall switch and cover in wall.

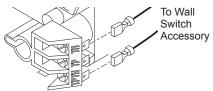


Figure 37 - Connecting Wall Switch to Control Valve

Continued

INSTALLING OPTIONAL WIRELESS HAND-HELD REMOTE CONTROL TRC AND MRC SERIES

NOTICE: Use only alkaline batteries (not included).

Installing Remote Receiver

- Open bottom louver (V)(TC32 series) or remove screen door assembly (V)(TC32 series) and locate switch bracket on the right.
- Remote receiver can be placed in the hole on the switch bracket or place on the f oor underneath the f rebox. See remote instructions for further information.
- 3. Attach terminal wires to battery.
- 4. Connect wires from receiver to TH and TPTH to control valve (see Figure 38).

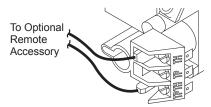


Figure 38 - Control Valve Terminals

REMOVING/REPLACING GLASS DOOR

CAUTION: Do not operate this fireplace with a broken glass door panel or without the glass door panel securely in place. For replacement part information see <u>Replacement Parts</u>, page 32.

A CAUTION: Wear gloves and safety glasses while handling or removing broken glass. Do not remove if glass is hot. Keep children and pets away from glass.

WARNING: If fireplace has been running, turn off and unplug fireplace. Let cool before removing glass door or louvers.

Removing Louver Panels

Remove top and bottom louver panels by simultaneously pulling both top end spring latches towards center of appliance until they are disengaged from locating holes (see Figure 39). Repeat for bottom spring latches and pull louvers outward. To install or replace items removed, simply reverse procedures above.

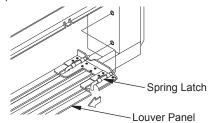


Figure 39 - Removing Louver Panel

Removing Screen Door Assembly (TC32 Series)

Push screen door assembly in toward the bottom left and right sides until the magnetic door latch pops the screen door out. Hold the screen door assembly at the bottom and swing the door up to disengage the tabs on the top of the door from inside the slots underneath the upper face.

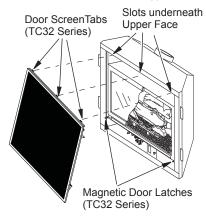


Figure 40 - Removing/Replacing Screen Door Assembly (TC32 Series)

Replacing Screen Door Assembly (TC32 Series)

Push magnetic door latch out to the open position. Position screen door tabs with slot openings in upper face frame. Swing door screen assembly in towards the bottom face,

Continued

Press in on the bottom of door screen until magnetic door latch is pushed in.

Removing Glass Door

If replacement of glass is necessary, the entire assembly, glass and frame, must be replaced. If glass is broken, wear gloves and tape remaining fragments onto frame.

- Remove screen/rod assembly from f rebox, push rod either left or right and then down and forward. Set assembly aside.
- Lift up on latches to unlock. There are two on top of frebox and two below frebox that hold glass door in place (see Figure 41).
- While holding glass door to prevent it from falling and causing injury, remove the f ve screws from hinge located on left side of door frame assembly (see Figure 42).

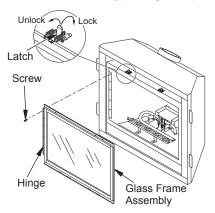


Figure 41 - Removing/Replacing Glass
Door

- Remount new frame at hinge with fve new screws before closing door. This will ensure seating of gasket.
- Close glass door frame. Lock latches by placing bar under tab on door and pushing down and back on latch (see Figure 41).
- 6. Replace screen/rod assembly by reversing step 1.
- Replace louvers by reversing procedure under <u>Removing Louver Panels</u>, page 24 for T32N-A Series.
- Replace screen door assemblysee removing screen door assembly, page 24, (for TC32 series).

Cleaning Glass Door

See <u>Cleaning and Maintenance</u> on page 30.

INSTALLING OPTIONAL BRICK LINER MODEL BL32D

WARNING: If fireplace has been running, turn off and unplug fireplace. Let cool before installing brick liner.

This brick liner kit is optional. You may purchase brick liner from your local retailer or see page 32.

CAUTION: Always handle brick panels with two hands. Do not force brick panels into place. Excessive force will break brick panels.

- Remove top and bottom louvers to allow access to door latches.
- Unlock door latches and open glass door See steps 1 and 2 of <u>Removing/Replacing</u> <u>Glass Door</u>, page 24.
- If installing brick liner in new freplace, go to step 4. If installing brick liner in an existing freplace, carefully remove logs, lava rock and ember material.
- Remove three screws from deflector shield on the inside top of f rebox. Set shield and screws aside.
- Install rear brick panel f rst. Rest bottom edge of panel on back edge of grate (see Figure 42).
- Install left side brick panel by sliding it between grate and side of frebox (see Figure 42).

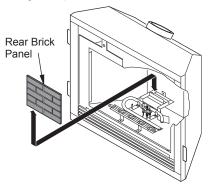


Figure 42 - Installing Rear Brick Panel

Continued

- Install right brick panel using the same method described in step 5 for left brick panel.
- 8. Replace defector shield using screws removed in step 4.
- 9. Follow instructions below to install logs, lava rock and ember material.
- Close glass door, lock latches on top and bottom of door and replace screen (see steps 5 and 6 of <u>Removing Glass Door</u>, page 24).
- 11. Close top and bottom louvers.

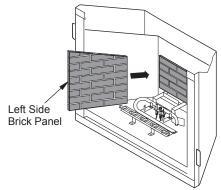


Figure 43 - Installing Side Brick Panels

INSTALLING LOGS, LAVA ROCK AND GLOWING EMBERS

Each log is marked with a number . These numbers will help you identify the log when installing. It is very important to install these logs exactly as instructed. Do not modify logs. Only use logs supplied with f replace.

Open louvers, remove screen, unlock door latches and open glass door See steps 1 and 2 of *Removing Glass Door*, page 24. Install logs according to instructions for freplace model numbers.

- Place log #1 (rear log) on top of grate.
 Make sure notches in bottom of log ft over grate (see Figure 44).
- Rest log #2 (large front log) on pins on front part of grate (see Figure 45).
- Place log #3 (crossover log) onto rear and front logs. Make sure it is seated properly on smooth surface on front log and on pin on back log as shown in Figure 46.
- 4. Place log #4 (right log) on pin on right side of front log as shown in Figure 47, page 27.

Place log #5 (base log) onto front left part of grate making sure notches ft over prongs of grate). See Figure 48, page 27.

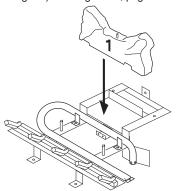


Figure 44 - Installing Log No. 1

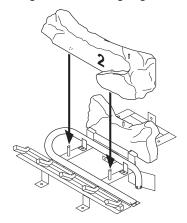


Figure 45 - Installing Log No. 2

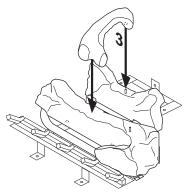
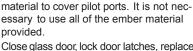


Figure 46 - Installing Log No. 3

Continued

- 6. Place log #6 (left log) onto two pins on left side of back and front log. See Figure 48.
- Place lava rock along sides and front of f rebox bottom in areas that are visible only. It is not necessary to use all of the lava rock provided.
- 8. Pull ember material apart into pieces no larger than a dime. Place these pieces loosely and sparingly directly onto exposed section of front burner and along space between burner and grate prongs (see Figure 49). This will create the glowing ember appearance as the f ame touches the ember material. Do not block air slots by using too much ember material in one area. Place small pieces of ember



 Close glass door, lock door latches, replace screen and close louvers (see steps 5 and 7 of <u>Removing Glass Door</u>, page 25).

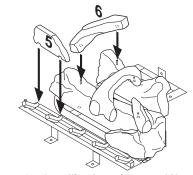


Figure 48 - Installing Logs No. 5 and No. 6

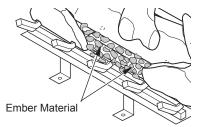


Figure 49 - Placing Ember Material on Burner

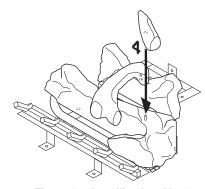
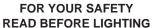


Figure 47 - Installing Log No. 4

OPERATION



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 LIGHTING 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 electric switch.
- Do not use any phone in your building.
 Immediately call your gas supplier from a neighbor's phone. Follow the gas supplier's instructions.
- If you cannot reach your gas supplier, call the fire department.
- C. Use only your hand to push in or turn the 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.

OPERATION

Continued

LIGHTING **INSTRUCTIONS**

- 1. STOP! Read the safety information on page 27.
- Open lower louver panel.
- 3. Turn off all electric power to f replace.
- 4. Push in gas control knob slightly and turn clockwise ↑ to OFF.
- 5. Wait f ve (5) minutes to clear out any gas. Then smell for gas, including near the f oor. If you smell gas, STOP! Follow "B" in the safety information on page 27. If you don't smell gas, go to the next step.
- 6. The pilot is located by the main burner and should not require accessing for lighting.
- 7. Turn gas control knob counterclockwise to PILOT (see Figure 50).
- 8. Push in gas control knob all the way and hold. Immediately light the pilot by repeatedly pressing the piezo spark ignitor until a fame appears. Continue to hold for about 1 minute after pilot is lit. Release gas control knob and it will pop back. Pilot should remain lit. If it goes out, repeat steps 4 through 8.
 - If gas control knob does not pop up when released, stop and immediately call your service technician or gas supplier.
 - If pilot will not stay lit after several tries, turn gas control knob to OFF and call your service technician or gas supplier.
- 9. Turn on all electric power to f replace.
- 10. Turn gas control knob counterclockwise to ON.
- 11. This valve is equipped with a HI/LO feature. Set f replace input as desired.
- 12. To leave pilot lit and shut of burners only, turn control knob clockwise > to the PILOT position or set selector switch in the OFF position.
- 13. Close lower louver panel.

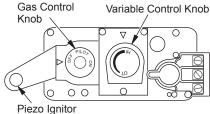


Figure 50 - Control Valve

TO APPLIANCE



2. Set selector switch in the OFF position to prevent draining battery.

TO TURN OFF GAS

- 3. Turn off all electrical power to appliance if service is to be performed.
- 4. Push in gas control knob slightly and turn clockwise \to OFF.
- 5. Close lower louver panel.

MANUAL LIGHTING **PROCEDURE**



- 1. Remove glass door (see Removing/Replacing Glass Door, page 24).
- 2. Follow steps 1 through 8 under Lighting Instructions.
- 3. Press gas control knob and light pilot with match
- Keep gas control knob pressed in for 30 seconds after lighting pilot. After 30 seconds, release gas control knob. Follow steps 10 through 13 under Lighting Instructions.
- Replace glass door (see Removing/Replacing Glass Door, page 24).

OPTIONAL HAND-HELD REMOTE OPERATION



Note: All remote control accessories must be purchased separately (see Accessories, page 37). Follow instructions included with the remote control.

NOTICE: You must light the pilot before using the hand-held remote control unit. See Lighting Instructions.

After lighting, let pilot fame burn for about one minute. Turn control knob to ON position. Adjust f ame adjustment knob anywhere between HI and LO. Slide selector switch to the REMOTE position (see Figure 51, page 29). Note: The burner may light if hand-held remote was on when selector switch was last turned off. You can now turn the burner on and off with the hand-held remote control unit.

IMPORTANT: Do not leave selector switch in the REMOTE or ON position when the pilot is not lit. This will drain the battery.

OPERATION

Continued

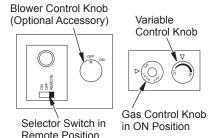
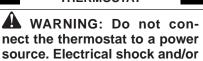


Figure 51 - Setting Selector Switch, Gas Control Knob and Variable Control Knob for Remote Operation



OPERATING OPTIONAL GWMT1 WALL MOUNTED THERMOSTAT



Light the freplace as instructed in <u>Lighting</u> <u>Instructions</u> on page 28. Set wall thermostat to desired temperature.

a fire hazard will occur.

This thermostat has been electronically calibrated at the factory and requires no adjustment or leveling.

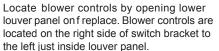
Upon installation, thermostat must be allowed to stabilize at room temperature for a minimum of 30 minutes for proper operation.

To turn f replace off, adjust thermostat to the lowest setting and turn gas control knob back to PILOT. The pilot will remain lit.

IMPORTANT: To turn pilot of, turn gas control knob on heater to the OFF position.



OPERATING OPTIONAL BLOWER ACCESSORY



The BK manual blower and BKTthermostatically-controlled blower have an ON setting and an OFF setting. Blower will only run when the switch is in the ON position. In the OFF position, blower will not operate.

Note for BKT Only: If you are using BKT

blower with optional thermostat (wall mounted or remote control) for the f replace, your f replace and blower will not turn on and of f at the same time. Fireplace may run for several minutes before blower turns on. After heater modulates to the pilot position, blower will continue to run. Blower will shut of f after f rebox temperature decreases.

The blower helps distribute heated air from the freplace. Periodically check louvers off rebox and remove any dust, dirt or other obstructions that will hinder the f ow of air.

INSPECTING BURNERS

Check pilot fame pattern and burner fame patterns often.

PILOT ASSEMBLY

The pilot assembly is factory preset for the proper f ame height. Alterations may have occurred during shipping and handling. Call a qualif ed service person to readjust the pilot if necessary.

The height of the thermopile must be 3/8" to 1/2" above pilot f ame as shown in Figure 52. The thermocouple must be at a height of about 1/8" above pilot f ame. The f ame from pilot burner must extend beyond both the thermocouple and thermopile.

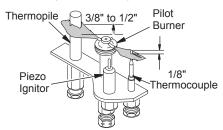


Figure 52 - Pilot Assembly

If you pilot assembly does not meet these requirements:

- turn f replace off (see <u>To Turn Off Gas to Appliance</u>, page 28)
- see *Troubleshooting*, page 33

BURNER FLAME PATTERN

Burner f ames will be steady, not lifting orf oating. Flame patterns will be different from unit to unit and will vary depending on installation type and weather conditions.

INSPECTING BURNERS

Continued

If the vent conf guration is installed incorrectly, fames will lift or "ghost". This can be dangerous. Inspect fames after installation to ensure proper installation and performance.

Figure 53 shows a typical fame pattern. If burner fame pattern differs from that described:

- turn f replace off (see To Turn Off Gas to Appliance, page 28)
- · see Troubleshooting, page 33



Figure 53 - Typical Flame Pattern

CLEANING AND MAINTENANCE

WARNING: Turn off fireplace and let cool before cleaning.

CAUTION: You must keep control areas, burners and circulating air passageways of fireplace clean. Inspect these areas of fireplace before each use. Have fireplace inspected yearly by a qualified service person. Fireplace may need more frequent cleaning due to excessive lint from carpeting, bedding material, pet hair, etc.

GLASS DOOR

WARNING: Handle glass door panel with care. Do not strike, slam or otherwise abuse glass. Do not operate fireplace with the glass door unlatched, removed, cracked or broken.

WARNING: Do not use abrasive cleaners as this may damage glass. Use a nonabrasive household glass cleaner to clean glass. Do not clean glass when hot.

Glass must be cleaned periodically . During start up it is normal for condensation to form on the inside of glass causing lint, dust and other airborne particles to cling to glass surface. During initial start up a slight flm may form on glass due to paint curing. Glass should be cleaned several times with a nonammonia, nonabrasive household cleaner and warm water after the frst two weeks of operation. Afterwards, clean glass two or three times during each heating season, depending on the usage and circumstances present. Refer to *Removing/Replacing Glass Door* on page 24 of this manual when removing glass door for cleaning.

WARNING: Only parts supplied by the manufacturer should be used when replacing broken or damaged glass door panel (see <u>Replacement Parts</u>, page 32). This glass door panel is a complete unit. No substitute materials may be used.

CAUTION: Wear gloves and safety glasses while handling or removing broken glass. Do not remove if glass is hot. Keep children and pets away from glass.

If glass has been broken, carefully remove glass door (see *Removing/Replacing Glass Door*, page 24). Vacuum all glass pieces with a shop vac.

A CAUTION: Do not vacuum if pieces are hot.

CLEANING AND MAINTENANCE

Continued

Use only the tempered glass door replacement intended for thisf replace (see <u>Replacement Parts</u>, page 32 for detail on ordering). No substitutions may be made. See <u>Removing/Replacing Glass Door</u>, page 24 for instructions for replacing glass door.

WARNING: Do not operate fireplace with the glass door unlatched, removed, cracked or broken.

PILOT AND BURNERS

- Remove ember material before cleaning burners and replace when cleaning is complete.
- Burner and controls should be cleaned with compressed air to remove dust, dirt or lint.
- Use a vacuum cleaner or small, soft bristled brush to remove excess dust, dirt or lint.

LOGS

- If you remove logs for cleaning, refer to Installing Logs, Lava Rock and Glowing Embers, page 26, to properly replace logs.
- Use a vacuum cleaner to remove any carbon buildup on logs.
- Replace log(s) if broken. See <u>Replacement</u> <u>Parts</u> on page 32.
- Replace ember material periodically as needed. See <u>Replacement Parts</u> on page 32.

VENTING SYSTEM

Conduct annual inspection of venting system following these guidelines:

- Check areas of venting system that are exposed to the weather for corrosion (rust spots or streaks and, in extreme cases, holes). Have these items replaced immediately by a qualif ed service person.
- Remove the vent cap and shine a f ashlight into the vent. Remove any foreign material.
- Check for evidence of excessive condensation. Continuous condensation can cause corrosion of caps, pipes andf ttings and can be caused by having excessive lateral runs, too many elbows or exterior portions of the system being exposed to cold weather.
- Inspect joints to verify that no pipe section or f tting has been disturbed and loosened. Check mechanical supports such as wall straps for rigidity.

REPLACEMENT PARTS

Note: Use only original replacement parts. This will protect your warranty coverage for parts replaced under warranty.

Contact authorized dealers of this product. If they can't supply original replacement part(s), call FMI PRODUCTS, LLC at 1-866-328-4537.

When calling, have ready:

- · your name
- · your address
- · model and serial numbers of your heater
- · how heater was malfunctioning
- · purchase date

Usually, we will ask you to return the part to the factory.

SERVICE HINTS

When Gas Pressure Is Too Low

- · pilot will not stay lit
- · burners will have delayed ignition
- · f replace will not produce specif ed heat
- propane/LP gas supply might be low (propane/LP units only)

You may feel your gas pressure is too low. If so, contact your local gas supplier.

TECHNICAL SERVICE

You may have further questions about installation, operation, or troubleshooting. If so, contact FMI PRODUCTS, LLC at 1-866-328-4537. When calling please have your model and serial numbers of your heater ready.

You can also visit FMI PRODUCTS, LLC's web site at www.fmiproducts.com.

SPECIFICATIONS

(V)T32N-A Series, (V)T32N-A-HA Series, (V)TC32N, (V)TC32N-HA, CGDV32NR and CTDV32NR-HA

Rating: 12,000/18,000 Btu/HrType Gas: Natural Gas Only

Ignition: Piezo

· Manifold Pressure:

Models (V)T32N-A Series and CGDV32NR 3.5" W.C.

Models (V)T32N-A-HA series and CTDV32NR-HA 3.8" W.C.

- · Minimum Inlet Gas Pressure (W.C.): 5.5"
- Dimensions (H x W x D) (Firebox onlyDoes not include nailing fanges or standoffs): 32 ¹/₄" x 34 ¹/₂" x 16 ⁵/₈"

Fireplace Weight*: 80 lbShipping Weight*: 83 lb

*For refractory lined models add 45 lb

(V)T32P-A, (V)TC32P Series and CGDV32PR

- Rating: 11,000/17,000 Btu/Hr
- Type Gas: Propane/LP Gas Only
- · Ignition: Piezo
- Manifold Pressure: 10" W.C.
- Minimum Inlet Gas Pressure (W.C.): 11"
- Dimensions (H x W x D) (Firebox onlyDoes not include nailing fanges or standoffs): 32 ¹/₄" x 34 ¹/₂" x 16 ⁵/₈"
- · Fireplace Weight*: 80 lb
- · Shipping Weight*: 83 lb

*For refractory lined models add 45 lb

TROUBLESHOOTING

WARNING: Turn off heater and let cool before servicing. Only a qualified service person should service and repair heater.

A CAUTION: Never use a wire, needle or similar object to clean pilot. This can damage pilot unit.

Note: All troubleshooting items are listed in order of operation.

OBSERVED PROBLEM	POSSIBLE CAUSE	REMEDY
When ignitor button is pressed, there is no spark at pilot	Ignitor electrode not con- nected to ignitor cable	1. Reconnect ignitor cable
	Ignitor cable pinched or wet	Free ignitor cable if pinche by any metal or tubing. Cap ignitor cable day.
	3. Piezo ignitor nut is loose	Keep ignitor cable dry 3. Tighten nut holding piezo ignitor. Nut is located be- hind the mounting bracket
	4. Broken ignitor cable	4. Replace ignitor cable
	5. Bad piezo ignitor	5. Replace piezo ignitor
	Ignitor electrode broken	Replace pilot assembly
	Ignitor electrode positioned wrong	7. Tighten electrode. Replace if necessary
When ignitor button is pressed, there is spark at pilot but no ignition	Gas supply turned of f or equipment shutoff valve closed	Turn on gas supply or ope equipment shutoff valve
	Gas control knob not in PILOT position	2. Turn gas control knob to PILOT position
	3. Gas control knob not pressed in while in PILOT position	Press in gas control knob while in PILOT position
	Air in gas lines when installed	 Continue holding dowr control knob. Repeat ignit ing operation until air is removed
	Depleted gas supply (pro- pane/LP models only)	Contact local propane/LP gas company
	6. Pilot is clogged	 Clean pilot (see <u>Cleaning</u> <u>and Maintenance</u>, page 30 or replace pilot assembly
	Gas regulator setting is not correct	7. Replace gas regulator

TROUBLESHOOTING

Continued

OBSERVED PROBLEM	POSSIBLE CAUSE	REMEDY
Pilot lights but fame goes out when control knob is released	Gas control knob not fully pressed in Gas control knob not pressed in long enough	Press in gas control knob fully After pilot lights, keep gas control knob pressed in 30 seconds
	 Equipment shutoff valve not fully open Pilot flame not touching thermocouple, which allows thermocouple to cool, causing pilot f ame to go out. This problem could be caused by one or both of the following: A) Low gas pressure B) Dirty or partially clogged pilot 	3. Fully open equipment shutoff valve 4. A) Contact local natural or propane/LP gas company B) Clean pilot (see <u>Cleaning and Maintenance</u> , page 30) or replace pilot assembly
	5. Thermocouple connection loose at control valve 6. Thermocouple damaged 7. Control valve damaged	5. Hand tighten until snug, then tighten 1/4 turn more6. Replace pilot assembly7. Replace control valve
Burner does not light after pilot is lit	Burner orif ce clogged Inlet gas pressure is too low Thermopile leads disconnected or improperly connected	Clean burner (see <u>Cleaning</u> <u>and Maintenance</u> , page 30) or replace burner orif ce Contact local propane/LP or natural gas company Reconnect leads
	4. Thermopile is defective	4. Replace thermopile
Delayed ignition burner	Manifold pressure is too low Burner porting or orifice clogged	Contact local propane/LP or natural gas company Clean burner (see <u>Cleaning</u> <u>and Maintenance</u> , page 30) or replace burner orif ce
Burner backf ring during combustion	Burner orif ce is clogged or damaged Damaged burner Gas regulator defective	Clean burner (see <u>Cleaning</u> <u>and Maintenance</u> , page 30) or replace burner orif ce Replace damaged burner Replace gas control
Slight smoke or odor during initial operation	Residues from manufacturing processes and logs curing	Problem will stop after a few hours of operation

TROUBLESHOOTING

Continued

OBSERVED PROBLEM	POSSIBLE CAUSE	REMEDY
Heater produces a whistling noise when burner is lit	Turning gas control knob to HI position when burner is cold Air in gas line	Turn gas control knob to LO position and let warm up for a minute Operate burner until air is removed from line. Have gas line checked by local propane/LP or natural gas company
	Dirty or partially clogged burner orif ce	Clean burner (see <u>Cleaning</u> <u>and Maintenance</u> , page 30) or replace burner orif ce
Glass soots	Flame impingement on logs Debris around burner air mixer	Adjust log set so that the f ame does not excessively impinge in it Inspect the opening at the base of the burner to see that it is NOT packed with any type of material
Fireplace produces a clicking/ ticking noise just after burners are lit or shut off	Metal expanding while heating or contracting while cooling	This is normal. If noise is excessive, contact qualif ed service person
Remote does not function	Battery is not installed or battery power is low	Replace 9-volt batteries in receiver and remote control
Fireplace shuts off in use	1. High or gusting winds	Fireplace has been tested for up to 40 mph winds. However, extreme conditions may occur. See <i>Lighting Instructions</i> on page 28
	2. Low line pressure	Contact local propane/LP or natural gas company
	3. Pilot is partially clogged	Clean pilot (see <u>Cleaning</u> <u>and Maintenance</u> , page 30)
	4. Inner vent pipe leaking exhaust gasses into system	Locate and correct all leaks (see <u>Checking Gas Connections</u> , page 22)
	5. Glass too loose and air tight gasket leaks in corners after usage	5. Tighten glass
	Bad thermopile or thermocouple	6. Replace faulty component
	Improper vent cap installation	 Check for proper installation and freedom from debris or blockage

TROUBLESHOOTING Continued

MARNING: If you smell gas

- · Shut off gas supply.
- 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.

OBSERVED PROBLEM	POSSIBLE CAUSE	REMEDY
Fireplace produces unwanted odors	Gas leak. See Warning statement above	Locate and correct all leaks (see <u>Checking Gas Connections</u> , page 22)
Gas odor even when control knob is in OFF position	Gas leak. See Warning statement above	Locate and correct all leaks (see <u>Checking Gas Con-nections</u> , page 22)
	Control valve defective	Replace control valve
Gas odor during combustion	Gas leak. See Warning statement above	Locate and correct all leaks (see <u>Checking Gas Connections</u> , page 22)
Dark residue on logs or inside of f replace	Improper log placement	1. Properly locate logs (see Installing Logs, Lava Rock and Glowing Embers, page 26)
	Air holes at burner inlet blocked	Clean out air holes at burn- er inlets. Periodically repeat as needed
	3. Burner flame holes blocked	Remove blockage or re- place burner
	Improper venting or excessive blockage	Have the vent system in - spected, including the ter- mination cap. Remove any restrictions or obstruction
	5. Excessive amounts of embers and pan material	5. Clear excess embers until a minimum gap of 1/2" remains under the grate

ACCESSORIES

NOTICE: All accessories may not be available for all fireplace models.

Purchase these accessories from your local dealer. If they can not supply these accessories call FMI PRODUCTS, LLC at 1-866-328-4537 for information. You can also write to the address listed on the back page of this manual.

REFRACTORY BRICK LINER KIT BL32DS

This brick liner adds a touch of style to your direct-vent f replace. Complete installation instructions included in this manual.

PROPANE/NATURAL GAS CONVERSION KIT

PCDM-32T - Propane/LP Gas Conversion Kit NCDM-32T - Natural Gas Conversion Kit

FACE/LOUVER PANEL KIT

RLD32 - Rolled Louver Panels, Black

LOUVER TRIM KIT (Rolled Louvers Only)

LT32B - Brushed Brass

LT32P - Platinum

DEFLECTION HOOD

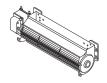
HD32 - Hood - Black (2" Brow)

PERIMETER TRIM KIT

PT32 - Black

PT32B - Brushed Brass

PT32P - Platinum



MANUAL BLOWER KIT - BK

Manual variable control blower accessory provides better heat distribution. Complete in stallation and operation instructions included in this manual.



THERMOSTATICALLY-CONTROLLED BLOWER KIT - BKT

Provides better heat distribution. Blower turns off and on automatically, as needed. Complete installation and operation instructions included in this manual.



RECEIVER AND HAND-HELD THERMOSTAT REMOTE CONTROL KIT - TRC

For all Remote-Ready Models. Allows the freplace to be operated in a manually or thermostatically-controlled mode. You can adjust your heat settings and turn the freplace on or off without leaving the comfort of your easy chair.



RECEIVER AND HAND-HELD ON/OFF REMOTE CONTROL KIT - MRC

For all Remote-Ready Models. Allows the freplace to be turned on and off conveniently.

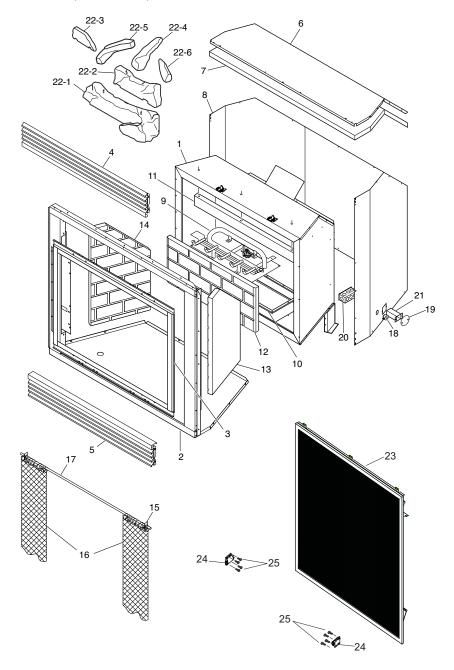
WALL MOUNTED THERMOSTAT CONTROL KIT - GWMT1

Allows easy wall access for thermostatic operation of your freplace.

WALL MOUNTED ON/OFF SWITCH GWMS2

Allows burner system to be turned on and of with a wall switch.

MODELS (V)T32N-A, (V)T32NB-A, (V)T32NR-A, (V)T32NRB-A, (V)T32P-A, (V)T32PB-A, (V)T32PR-A, (V)T32PRB-A, (V)TC32(N)(P), (V)TC32(NB)(PB), (V)TC32N-HA, CGDV32NR, CGDV32PR AND CTDV32NR-HA



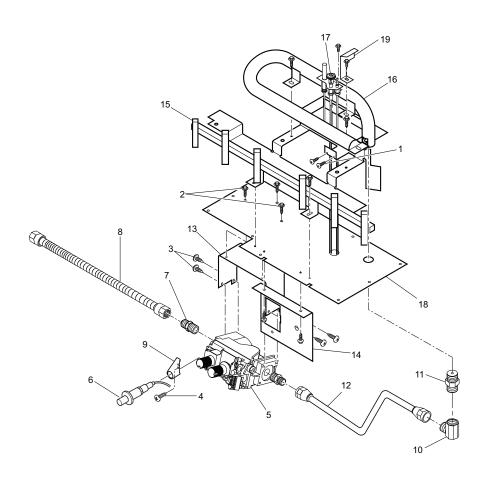
parts can be purchased at: www.allpartsinc.com 1-877-475-5660

This list contains replaceable parts used in your freplace. When ordering parts, follow the instructions listed under <u>Replacement Parts</u> on page 32 of this manual.

	PART	NUMBER		
	(V)T32N-A	CGDV32NR CGDV32PR CTDV32NR-HA (V)T32NR-A (V)T32PR-A (V)T32PRB-A		
KEY NO.	(V)T32P-A (V)T32NB-A (V)T32PB-A	(V)TC32(N)(P) (V)TC32(NB)(PB) (V)TC32N-HA	DESCRIPTION	QTY.
1	**	**	Firebox Assembly	1
2	**	**	Face Weldment	1
3	108892-01	108892-01	Door Assembly (T & CGDV Models Only)	1
	108892-02	108892-02	Door Assembly (VT Models Only)	1
4	109155-01	108903-01	Top Louver/Panel Assembly	
5	109155-02	108903-02	Bottom Louver/Panel Assembly	1
6	**	**	Fireplace Top	1
7	**	**	Fireplace Top Insulation	1
8	**	**	Fireplace Surround	1
9	108885-01	108885-01	Burner Assembly (Natural Gas)	1
	108885-02	108885-02	Burner Assembly (Propane/LP Gas) (See page 40 & 41)	1
10	108890-01	108890-01	Burner Base Gasket	1
11	109082-03	109082-03	Heat Shield	1
12	108897-01	108897-01	Rear Refractory Brick Panel (B Models Only)	1
13	108901-01	108901-01	Right Refractory Brick Panel (B Models Only)	1
14	108901-02	108901-02	Left Refractory Brick Panel (B Models Only)	1
15	11418	11418	Push-On Nut	2
16	12125	12125	Screen	2
17	109479-01	109479-01	Screen Rod	1
18	14123	14123	Strain Relief	1
19	21171	21171	Gas Knock-Out Cover	2
20	24353	24353	Handy Box Assembly	1
21	24460	24460	Gas Conduit Assembly	1
22	109222-01	109222-01	Log Set	1
22-1	109403-01	109403-01	Front Log (No. 1)	1
22-2	109404-01	109404-01	Rear Log (No. 2)	1
22-3	109407-01	109407-01	Base Log (No. 3)	1
22-4	109406-01	109406-01	Crossover Log (No. 4)	1
22-5	109405-01	109405-01	Left Top Log (No. 5)	1
22-6	109408-01	109408-01	Right Top Log (No. 6)	1
23		125408-03	Screen Door (TC Models Only)	1
24		125519-01	Door Latch Magnet (TC Models Only)	2
25		125558-01	Door Latch Screw (TC Models Only)	8
		PARTS	AVAILABLE - NOT SHOWN	
	25487	25487	Lava Rock/Bag Assembly	1
		PCDM-32T	Propane/LP Gas Conversion Kit (model CTDV32NR-HA only)	1

^{**} Not a feld replaceable part.

BURNER ASSEMBLY MODELS (V)T32N-A, (V)T32NB-A, (V)T32NR-A, (V)T32NRB-A, (V)T32PR-A, (V)T32PR-A, (V)T32PRB-A, (V)TC32(N)(P), (V)TC32(NB)(PB), TC32N-HA CGDV32NR, CGDV32PR AND CTDV32NR-HA



BURNER ASSEMBLY MODELS (V)T32N-A, (V)T32NB-A, (V)T32NR-A, (V)T32NRB-A, (V)T32PR-A, (V)T32PR-A, (V)T32PR-A, (V)T32PRB-A, (V)TC32(N)(P), (V)TC32(NB)(PB), (V)TC32N-HA, CGDV32NR, CGDV32PR AND CTDV32NR-HA

This list contains replaceable parts used in your freplace. When ordering parts, follow the instructions listed under <u>Replacement Parts</u> on page 32 of this manual.

KEY	•		
NO.	PART NO.	DESCRIPTION	QTY.
1	11102	Screw #8-32 x 3/8 PPH Zinc	2
2	11105	Screw #10 x 1/2 Zinc	9
3	11179	Screw #10-24 x 1/4 Zinc	4
4	11237	Screw, Trilab M4 x 8 mm	1
5	14389	Millivolt Valve (Natural Gas)	1
	14390	Millivolt Valve (Propane/LP Gas)	1
	117370-01	Millivolt Valve (NG-High Altitude)	1
6	14492	Piezo Ignitor	1
7	14500	Brass Fitting	2
8	14253	Flexible Connector	1
9	14511	Ignitor Bracket	1
10	14528	Brass Elbow Fitting	1
11	104506-25	Orif ce (Natural #47)	1
	104506-02	Orif ce (Propane/LP #55)	1
12	104509-02	Aluminum Tubing Assy	1
13	26808	Valve Bracket	1
14	26827	Switch Bracket	1
15	108886-01	Base Grate Assembly	1
16	108891-01	Burner	1
17	108084-02	Pilot Assembly (Natural)	1
	108084-03	Pilot Assembly (Propane/LP)	1
	108084-05	Pilot Assembly (NG-High Altitude)	1
18	**	Burner Base Assembly	1
19	27113	Air Def ector	1

^{**} Not a feld replaceable part.

NOTES

NOTES

WARRANTY

KEEP THIS WARRANTY

Model (located on product or identif cation tag)
Serial No. (located on product or identif cation tag)
Date Purchased

Keep receipt for warranty verif cation.

FMI PRODUCTS, LLC LIMITED WARRANTIES

New Products

Standard Warranty: FMI PRODUCTS, LLC warrants this new product and any parts thereof to be free from defects in material and workmanship for a period of four (4) years from the date of f rst purchase from an authorized dealer provided the product has been installed, maintained and operated in accordance with FMI PRODUCTS, LLC's warnings and instructions.

For products purchased for commercial, industrial or rental usage, this warranty is limited to 90 days from the date of f rst purchase.

Factory Reconditioned Products

Limited Warranty: FMI PRODUCTS, LLC warrants factory reconditioned products and any parts thereof to be free from defects in material and workmanship for 30 days from the date off rst purchase from an authorized dealer provided the product has been installed, maintained and operated in accordance with FMI PRODUCTS, LLC's warnings and instructions.

Terms Common to All Warranties

The following terms apply to all of the above warranties:

Always specify model number and serial number when contacting the manufacturer . To make a claim under this warranty the bill of sale or other proof of purchase must be presented.

This warranty is extended only to the original retail purchaser when purchased from an authorized dealer, and only when installed by a qualified installer in accordance with all local codes and instructions furnished with this product.

This warranty covers the cost of part(s) required to restore this product to proper operating condition and an allowance for labor when provided by a FMI PRODUCTS, LLC Authorized Service Center or a provider approved by FMI PRODUCTS, LLC. Warranty parts must be obtained through authorized dealers of this product and/or FMI PRODUCTS, LLC who will provide original factory replacement parts. Failure to use original factory replacement parts voids this warrantv.

Travel, handling, transportation, diagnostic, material, labor and incidental costs associated with warranty repairs, unless expressly covered by this warranty , are not reimbursable under this warranty and are the responsibility of the owner.

Excluded from this warranty are products or parts that fail or become damaged due to misuse, accidents, improper installation, lack of proper maintenance, tampering, or alteration(s).

This is FMI PRODUCTS, LLC's exclusive warranty, and to the full extent allowed by law; this express warranty excludes any and all other warranties, express or implied, written or verbal and limits the duration of any and all implied warranties, including warranties of merchantability and ftness for a particular purpose to four (4) years on new products and 30 days on factory reconditioned products from the date off rst purchase. FMI PRODUCTS, LLC makes no other warranties regarding this product.

FMI PRODUCTS, LLC's liability is limited to the purchase price of the product, and FMI PRODUCTS, LLC shall not be liable for any other damages whatsoever under any circumstances including indirect, incidental, or consequential damages.

Some states do not allow limitations on how long an implied warranty lasts or the exclusion or limitation of incidental or consequential damages, so the above limitation or exclusion may not apply to you.

This warranty gives you specif c legal rights, and you may also have other rights which vary from state to state.

For information about this warranty contact:

FMI PRODUCTS, LLC 2701 S. Harbor Blvd. Santa Ana, CA 92704 1-866-328-4537 www.fmiproducts.com

116646-01 Rev. L 09/10