Check local codes and read all instructions prior to installation.

Leave this manual with the owner.

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.

For Your Safety:
Do not store or use gasoline or other flammable vapors and liquids in the vicinity of this or any other appliance.

Warning:
Improper installation, adjustment, alteration, service or maintenance can cause injury or property damage. Refer to this manual. For assistance or additional information consult a qualified installer, service agency or the gas supplier.
About the Wildfire 38:
The MW38-BV is a B-vented gas fireplace equipped with a dual-inlet Wildfire® Burner. It is available in two versions:
- MW38-BV -- Continuous Pilot Ignition
- MW38-BV-I -- Intermittent Pilot

The MW38-BV is rated for Natural Gas or Propane at 29,000 BTU/H (8.5 Kilowatts) Input.

How to use this manual:
This manual covers all models and unless otherwise specified, the designation MW38-BV refers to all models. Sections which are specific to a particular model are marked with a symbol, plus the appropriate model number.

Warranty and Installation Information:
The Montigo warranty will be voided by, and Montigo disclaims any responsibility for, the following actions:
- Modification of the fireplace and/or components including Direct-Vent assembly or glass doors.
- Use of any component part not manufactured or approved by Montigo in combination with this Montigo fireplace system.
- Installation other than as instructed in this manual.

Consult your local Gas Inspection Branch on installation requirements for factory-built gas fireplaces. Installation & repairs should be done by a qualified contractor.

Installations in Canada must conform to the current CAN/CGA B-149.1 and .2 Gas Installation Code and local regulations. If the optional air-circulating fan kit is installed, it must be electrically grounded in accordance with CSA C22.1 Canadian Electrical Code Part 1 and/or Local Codes.

Installations in the USA must conform to local codes, or in the absence of local codes to the National Fuel Gas Code, ANSI Z223.1-1988. If the optional air-circulating fan is installed, it must be grounded in accordance with local codes or, in the absence of local codes, with the National Electrical Code, ANSI/NFPA 70-1987.

CAUTIONS
Due to its high operating temperatures, the appliance should be located out of traffic & away from furniture and draperies.
- Children and adults should be alerted to the hazards of the high surface temperature, which could cause burns or clothing ignition.
- Young children should be carefully supervised when they are in the same room as the appliance.
- Clothing or other flammable materials should not be placed on or near the appliance.
Installing The Fireplace Shell

The fireplace may be installed in any location that is free of air conditioning ducts, electrical wiring and plumbing. Safety, as well as efficiency of operation, must be considered when selecting the fireplace location. Try to select a location that does not interfere with room traffic, has adequate ventilation, and offers an accessible pathway for Vent and Combustion Air installation. Refer to page 4 - Vent Installation for more information.

The fireplace dimensions are shown below:

Unprotected combustible walls which are perpendicular to the fireplace opening, must not project beyond the shaded area shown in Figure 19b.

For protection against freezing temperatures, it is recommended that outer walls of the chase be insulated with a vapour barrier. This will reduce the possibility of a cold-air convection current on the fireplace.

Clearances

The MW38-BV clearances to combustible materials are:

<p>| | |</p>
<table>
<thead>
<tr>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Top*</td>
<td>16”</td>
</tr>
<tr>
<td>Back</td>
<td>0”</td>
</tr>
<tr>
<td>Side</td>
<td>1 1/2”</td>
</tr>
<tr>
<td>Floor</td>
<td>0”</td>
</tr>
<tr>
<td>Mantle**</td>
<td>9”</td>
</tr>
<tr>
<td>B-Vent***</td>
<td>See Notes</td>
</tr>
</tbody>
</table>

* Clearance from the top of the fireplace to a combustible ceiling within the fireplace enclosure.

** Refer to page 5.

*** This model requires 2” clearance around the B-Vent within the fireplace enclosure. Past the enclosure, use standard clearance as specified by the manufacturer of the B-Vent.

WARNING:

When this appliance is installed directly on carpeting, tile or any combustible material other than wood flooring, it must be installed on a metal or wood panel extending the full width and depth of the appliance.
Installing The Gas Line

The gas line must be installed before finishing the MW38-BV Fireplace. **Natural Gas** requires a minimum inlet gas supply pressure of 5.5" W.C. & a manifold pressure of 3.5" W.C. **Propane Gas** requires a minimum inlet gas supply pressure of 11" W.C. & a manifold pressure of 10" W.C. Provision must also be made for a 1/8" N.P.T. plugged tapping and be accessible for test gauge connection immediately upstream of the gas supply controls to the appliance. The fireplace gas connection and the main operating gas valve is located behind the removable brass trim at the bottom of the unit and need only be attached to the gas line with an approved fitting, as required by the applicable installation codes.

**Installation Note:** After gas line is connected, **each appliance connection, valve and valve train** must be checked while under normal operating pressure with either a liquid solution, or leak detection device, to locate any source of leak. Tighten any areas where bubbling appears or leak is detected until bubbling stops completely or leak is no longer detected. **DO NOT** use a flame of any kind to test for leaks.

Figure 5. *Gas line access.*

The appliance and its individual shutoff valve must be disconnected from the gas supply piping system during any pressure testing of that system at test pressures in excess of 1/2 psig (3.5 kPa).

The appliance must be isolated from the gas supply piping system by closing its individual manual shutoff valve during any pressure testing of the gas supply piping system at test pressures equal to or less than 1/2 psig (3.5 kPa).

**Note:** After gas line is connected, each appliance connection, valve and valve train must be checked while under normal operating pressure with either a liquid solution, or leak detection device, to locate any source of leak. Tighten any areas where bubbling appears or leak is detected until bubbling stops completely or leak is no longer detected. **DO NOT** use a flame of any kind to test for leaks.

B-Vent Installation

The MW38-BV is certified for use with standard **4" B-Vent** and requires no B-Vent appliance connector. Simply attach the B-Vent to the fireplace flue collar, and secure it using 1/4" sheet metal screws. Do not penetrate the inner sleeve of the B-Vent when tightening the screws.

Refer to the current **CAN/CGA B-149.1 and .2 or ANSI Z223.1-1988 Gas Installation Code** for specific vent sizing.
Finishing Around the Fireplace

Combustible mantels and mouldings may be safely installed over the top and on the front of the fireplace provided that they do not project beyond shaded area shown in Figure 6a. Side wall clearances are 3". Combustible surrounds may be installed with 3" clearance to the side of the fireplace as shown in Figure 6b.

Fireplace Facing

When selecting the finish material for your fireplace, it is important to remember the following: BRASS TRIMS MUST NOT BE OBSTRUCTED IN ANY WAY - to do so restricts the air supply for the control compartments and heat exchanger it also prevents access for servicing controls.

The face of the fireplace may be painted to match the room decor, provided you use a heat-resistant paint. Decorative facing must not extend past the fireplace opening at all, because it will interfere with the access to retainers for removal of glass door.

Figure 6a. Combustible mantles and facings.

Mantels & Surrounds

NOTE: National Canadian Gas Association mantel test requirements are for fire hazard prevention to combustible materials.

New technology, to meet consumer and government demands for the wise use of energy, has prompted us to manufacture many models of fireplaces which are hot, fuel and energy efficient.

Please be aware; temperatures over the mantel will rise above normal room temperature and walls above fireplace may be hot to touch.

We recommend careful consideration be given to the effects of elevated mantel temperatures which may be in excess of product design, for example: candles, plastic or pictures. This can cause melting, deformation, discoloration or premature failure of T.V. and radio components.

Figure 6b. Combustible surrounds.

Painting:

Special care is recommended by the Master Painters and Decorators Association, when painting the fireplace surrounds, to select and apply a quality Alkyd sealer prior to the applying of latex paints. This is to prevent leaching of water from evaporation and causing a brownish staining effect to paint over coats.
**Installation**

**Wiring**

**Gas Control and Pilot Wiring** **MW38-BV-I**

Figure 7. Wiring for the MW38-BV-I with Honeywell gas control and pilot.

**Wiring for the optional Fan Kit**

All 38 Series Modular fireplaces may be equipped with optional fan or blower kits for circulating heat into the living space.

**Installations in Canada** which employ the fans must be electrically grounded in accordance with CSA C22.1 Canadian Electrical Code Part 1 and/or Local Codes.

**Installations in the USA** which employ the fans must be grounded in accordance with local codes or, in the absence of local codes, with the National Electrical Code, ANSI/NFPA 70-1987.

For more information see the Fan Kit Installation Guide included with the fan kit.

**NOTE:** If any of the original wire supplied with the appliance is replaced, it must be replaced with the same type, or its equivalent.

Figure 8a. Wiring for optional air circulating fan kit.

**Installing the Log Set**

The MW38-BV is supplied with four (4) soft fibre logs. Logs "A" and "B" are permanently attached to a fibre base, which is pre-installed by the factory. To install the two small logs ("C" and "D"), simply place them onto their mating positions as shown in figure 9a below. When log set is installed it should look like figure 9b.

Figure 9a. Log placement.

Figure 9b. Completed log installation.

**NOTES:**

- If logs are not placed properly, excessive sooting will result.
- If handling or vacuuming the logs, do not attempt to move the two large logs. They are extremely fragile, and will break easily.
- The surface of the logs will crack due to the heat from the flames. This is a normal occurrence.
Removing and Installing the Insert
You may remove the insert to protect it from theft and damage during construction.

1. Remove the two machine screws (1 left & 1 right) at the top of the insert that attach the insert to the shell. See figure 10, inset 1.

2. Remove the 4 machine screws that hold the venting plate to the insert. For easier access, you may remove the efficiency baffles to gain access to the venting plate.

3. Remove the insert by tipping the top of the insert outward and lifting the tabs past the slots in the bottom of the shell. See figure 10, inset 2.

Store the screws and clamps in a safe place to ensure that they are not lost.

To re-install the insert simply reverse the steps above. Remember to re-install the efficiency baffles if they were removed.

Removing the door:
Remove the machine screws along the top of the door, and then pull the door outwards and upwards until it is clear of the door rail. (See figure 11b). Ensure that a good seal is maintained when installing the door.

Figure 10. MW38-BV insert.

Figure 11a. Removing or installing the door surround.

Removing the door surround:
The door surround is held in place by two metal clips at the top, and one magnet on each side. To remove the surround, pull the bottom outwards and lift upwards until the slots "A" are clear of tabs "B" in the door. You may need to use a flat screwdriver to pull the door surround outwards. (See figure 11a).

Figure 11b. Removing or installing the glass door.
MW38-BV Modular Fireplace

MW38-BV Operation - Model MW38-BV
with Continuous Pilot

For Your Safety - READ BEFORE LIGHTING:

WARNING: If you do not follow these instructions exactly, a fire or explosion may result causing property damage, personal injury or loss of life.

A. This appliance has a pilot which must be lighted by hand. When lighting the pilot, follow these instructions exactly.

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 electrical switch; do not use any phone in your building.
- Immediately call your gas supplier from a neighbour's phone. Follow the gas supplier's instructions.

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 attempt to repair may result in a fire or explosion.

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

Lighting Instructions:

1. STOP! Read the safety information above on this label.
2. Flip down lower brass trims.
3. Push in gas control knob and turn clockwise to "OFF."
4. Wait five (5) minutes to clear out any gas. Smell for gas, including near the floor. If you then smell gas, STOP! Follow "B" in the safety information above on this label. If you don't smell gas, go to the next step.
5. Locate pilot burner (See illustration at right.) and follow steps below.
6. Turn knob on gas control counterclockwise to "PILOT."
7. Push in gas control knob completely and hold. Light with Piezo Igniter button. Continue to hold the control knob in for about (1) minute after the pilot is lit. Release the knob and it will pop back up. Pilot should remain lit. If it goes out repeat steps 3 through 8.
- If knob does not pop up when released. Stop and immediately call your service technician or gas supplier.
- If the pilot will not stay lit after several tries, turn the gas control knob to "OFF" and call your service technician or gas supplier.
8. Push in gas control knob and turn counterclockwise to "ON."
9. Flip up lower brass trim.
10. Turn on remote switch to ignite fire.

To Turn Off Gas To Appliance:

1. Turn off remote switch.
2. Flip down lower brass trim.
3. Push in gas control knob slightly and turn clockwise to "Off". Do not force.
4. Flip up lower brass trim.
For Your Safety - READ BEFORE LIGHTING:

**WARNING:** If you do not follow these instructions exactly, a fire or explosion may result causing property damage, personal injury or loss of life.

A. This appliance is equipped with an ignition system that lights the pilot burner automatically. **Do not attempt 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 electrical switch; do not use any phone in your building.
- Immediately call your gas supplier from a neighbour's phone. Follow the gas supplier's instructions.

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 attempt to repair may result in a fire or explosion.

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

---

**Lighting Instructions:**

1. **STOP!** Read the safety information above on this label.

2. Flip down lower brass trims.

3. Turn switch on the gas control to **OFF**.

4. Wait 5 minutes to clear out any gas. If you smell gas, **STOP!** Follow "B" in the safety information above on this label. If you don't smell gas, go to the next step.

5. Turn switch on the gas control to "ON". **NOTE:** This unit is equipped with an ignition system that lights the pilot burner automatically. **Do not attempt to light the pilot by hand.**

6. Turn on wall switch.

7. Flip up lower brass trim.

8. If the fireplace does not operate, follow the instructions "To Turn Off Gas To Appliance" and call your service technician or gas supplier.

---

**To Turn Off Gas To Appliance:**

1. Turn off remote switch.

2. Flip down lower brass trim.

3. Turn the switch on the gas control to "Off".

4. Flip up brass trim.
**Operation**

**Lighting Instructions**
See pages 8 and 9.

**Burner Adjustment**
The Wildfire is equipped with an adjustable burner, allowing you to raise or lower the flames. To adjust the flames, locate the black knob marked 'Hi-Lo', in the centre of the gas control valve (See Figure 12).
- To raise the flame height, turn the black knob (located behind the lower trim) counterclockwise.
- To lower the flame height, turn clockwise.

![Figure 12. 'Hi-Lo' Adjustment on Model MW38-BV gas valve.](image)

**Maintenance**

**CAUTIONS**
- Fireplace gas control must be in the "OFF" position and pilot and main burners extinguished when cleaning appliance with a vacuum.
- Doors and logs can get very hot. Handle only when cool.

**General**
- Have the fireplace installation inspected yearly, including a visual check of the vent system, the burner and the pilot flame. For your convenience a 1/8" manifold pressure tap is supplied on the gas valve for a test gauge connection. See Figure 13.
- For **Natural Gas** this appliance requires a minimum inlet pressure of 5.5" W.C. and a manifold pressure of 3.5" W.C.
- For **Propane Gas** this appliance requires a minimum inlet pressure of 11" W.C. and a manifold pressure of 10" W.C.
- Always keep the fireplace area clear and free of combustible materials, as well as gasoline and other flammable vapours and liquids.
- 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.

**Cleaning**
When the fireplace is first activated, there may be some smoking and a visible film may be left on the glass. This is a normal condition, and is the result of burning of protective coatings on new metal.
- Glass must be cleaned periodically to remove any film (which is a normal biproduct of combustion) which may be visible. Film can easily be removed by removing the door, as shown on page 7. Handle the door carefully, and clean it with non-abrasive glass cleaners. One of the most effective products is Kel Kem.
- Silicone seals on inner door during initial firing will "off gas", leaving a visual deposit of a white substance on combustion chamber walls. This can easily be removed using normal household products.
- Use a vacuum cleaner or whisk broom to keep the control compartment, burner, and firebox free from dust and lint.
- Logs may be cleaned periodically with a vacuum to remove soot or other contaminates.

**WARNING:**
Do not attempt to clean glass when hot.
Do not clean glass with abrasive materials as any glass etching may cause premature glass failure.
**Gas Control Valve**

![Diagram of gas control valve](image)

**Figure 13. Sit Nova 820 gas valve.**

**Pilot Burner Adjustment**

1. Locate Pilot Adjustment Screw. (See figure 13.)
2. Adjust pilot screw to provide properly sized flame as shown in figure 14.
3. After installing or servicing, leak test with a soap solution with main burner on. Coat pipe and tubing joints, gasket etc. with soap solution. Bubbles indicate leaks. Tighten any areas where the bubbles appear until the bubbling stops completely.

![Diagram of pilot burner](image)

**Figure 14. Pilot Burner**

**Troubleshooting**

The following is a troubleshooting chart of possible problems:

<table>
<thead>
<tr>
<th>PROBLEM</th>
<th>CORRECTIVE ACTION</th>
</tr>
</thead>
<tbody>
<tr>
<td>Noisy Pilot Flame</td>
<td>Locate pilot adjustment screw on gas control valve. Flame is decreased by turning adjustment screw clockwise.</td>
</tr>
<tr>
<td>Pilot won’t ignite</td>
<td>Disconnect remote wires and try to light pilot. If pilot now works, remote connections are faulty. Check wiring diagram figure 13.</td>
</tr>
<tr>
<td>Main burner will not light</td>
<td>1. Check wiring (see figure 13). 2. Check wall switch for proper connection.</td>
</tr>
</tbody>
</table>

**HONEYWELL SV 9500/SV9600 Troubleshooting Sequence**

**NOTE:** Before Troubleshooting, Familiarize Yourself With The Startup And Checkout Procedure.

<table>
<thead>
<tr>
<th>START</th>
<th>CHECK:</th>
</tr>
</thead>
<tbody>
<tr>
<td>Turn Gas Supply off</td>
<td>- Line voltage power</td>
</tr>
<tr>
<td>- Set thermostat to call for heat</td>
<td>- Low voltage transformer</td>
</tr>
<tr>
<td>SV9500/SV9600 is powered (24 VAC nominal)</td>
<td>- Limit Controller Thermostat</td>
</tr>
<tr>
<td></td>
<td>- Wiring</td>
</tr>
<tr>
<td></td>
<td>- Air proving switch on combustion or blower system</td>
</tr>
<tr>
<td></td>
<td>- Vent damper (if used) is open and end switch mode</td>
</tr>
</tbody>
</table>

**INSET**

![Diagram of HSI terminals](image)

**Figure 14. Pilot Burner**

Unplug Pilot Burner Cable, Measure Voltage at SV9500/SV9600 HSI Terminals (24 VAC Nominal. See INSET)

**System OK?**

If your fireplace still does not operate correctly, consult your dealer or the manufacturer.

**All service and repairs should be performed by a qualified agency.**

All spare parts, optional fans (see optional fan instruction guide), and optional trim finishes are available from Canadian Heating Products Inc. or your local dealer.
The Warranty

The Companies warrants the Montigo Gas Appliance to be free from defects in materials and workmanship at the time of manufacture. On the Montigo, there is a ten-year warranty on the firebox and its components, a five-year warranty on the main burner and pilot burner, and a one-year warranty on the gas control valve and fibre logs. Glass, plated/painted finishes, and refractory lining are exempt.

Remedy And Exclusions

The coverage of this Warranty is limited to all components of the Gas Appliance manufactured by The Companies.

This Warranty only covers Montigo Gas Appliances installed in the United States or Canada.

If the components of the Gas Appliance covered by this Warranty are found to be defective within the time frame stated (see The Companies right of investigation outlined below), The Companies will, at its option, replace or repair defective components of the Gas Appliance manufactured by The Companies at no charge, and will also pay for reasonable labour costs incurred in replacing or repairing components. If repair or replacement is not commercially practical, The Companies will, at its option, refund the purchase price of the Montigo Gas Appliance.

This Warranty covers only parts and labour as provided above. In no case shall The Companies be responsible for materials, components, or construction which are not manufactured or supplied by The Companies, or for the labour necessary to install, repair or remove such materials, components or construction. All replacement or repair components will be shipped F.O.B. the nearest The Companies factory.

Qualifications To The Warranty

The Gas Appliance Warranty outlined above is further subject to the following qualifications:

1. The Gas Appliance must be installed in accordance with The Companies installation instructions and local building codes. The Warranty on this Montigo Gas Appliance covers only the component parts manufactured by The Companies. The use of components manufactured by others with this Montigo Gas Appliance could create serious safety hazards, may result in the denial of certification by recognized national safety agencies, and could be in violation of local building codes. This warranty does not cover any damages occurring from the use of any components not manufactured or supplied by The Companies.

2. The Montigo Gas Appliance must be subjected to normal use. The Gas Appliances are designed to burn gas only. Burning conventional fireplace fuels such as wood, coal or any other solid fuel will cause damage to the Gas Appliance, will produce excessive temperatures and will result in a fire hazard.

Limitations On Liability

It is expressly agreed and understood that The Companies sole obligation, and purchaser's exclusive remedy under this Warranty, under any other warranty, expressed or implied, or in contract, tort or otherwise, shall be limited to replacement, repair, or refund, as specified above.

In no event shall The Companies be responsible for any incidental or consequential damages caused by defects in its products, whether such damage occurs or is discovered before or after replacement or repair, and whether or not such damage is caused by The Companies negligence. Some states do not allow the exclusion or limitation of incidental or consequential damages, so the above limitation or exclusion may not apply to you. The duration of any implied warranty with respect to this Montigo Gas Appliance is limited to the duration of the foregoing warranty. Some states do not allow limitation on how long an implied warranty lasts, so the above may not apply to you.

Investigation Of Claims Against Warranty

The Companies reserves the right to investigate any and all claims against this Warranty and to decide upon method of settlement.

The Companies Are Not Responsible For Work Done Without Written Consent

The Companies shall in no event be responsible for any warranty work done without first obtaining The Companies written consent.

Dealers Have No Authority To Alter This Warranty

The Companies employees and dealers have no authority to make any warranties nor to authorize any remedies in addition to or inconsistent with those stated above.

How To Register A Claim Against Warranty

In order for any claim under this Warranty to be valid, The Companies must be notified of the claimed defect in writing or by telephone, as soon as reasonably possible after the defect is discovered. Claims against this Warranty in writing should include the date of installation, and a description of the defect.

Other Rights

This Warranty gives you specific legal rights, and you may also have other rights which vary from state to state.

NOTE: The Companies as stated above refer to - Canadian Heating Products Inc. and/or Montigo Del Ray Corp.

Canadian Heating Products Inc. and/or Montigo DelRay Corp. reserves the right to make changes at any time, without notice, in design, materials, specifications, prices and also to discontinue colors, styles and products.
Appendix A - Spare Parts

**Spare / Replacement Parts:**
1. Horizontal Trim Kits
2. Wildfire 4-piece Logset
3. Horizontal Trim Kits
4. Control Module for Model MW38-BV
5. Control Module for Model MW38-BV-I
6. Aluminum Tubing - 1/4" dia.
7. Locking Nuts
8. Spacer
9. Bulkhead Fitting
10. 90° Elbow
11. Burner Orifice
12. Burner Tube

**Available Options and Accessories:**
13. Add-on Bay Window
14. Hand-Held Remote Control
15. Variable Speed Blower Kit
16. 2-Fan Kit
17. 4-Fan Kit
18. 4-Piece Picture Frame Surround (PFS)
19. 3-Piece Picture Frame Surround (PFO)
20. Door Cover, Square (DF0)
21. Door Cover, Arched (DFA)