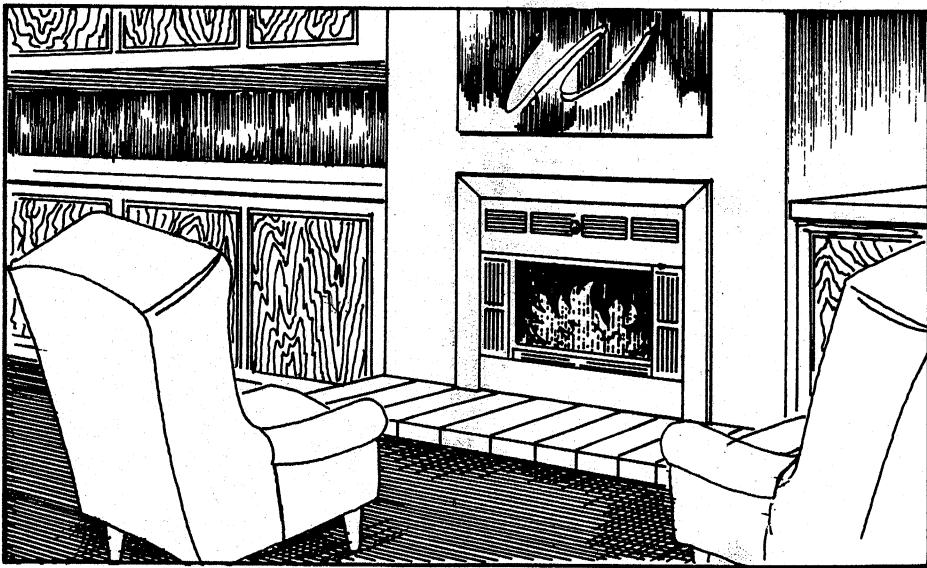
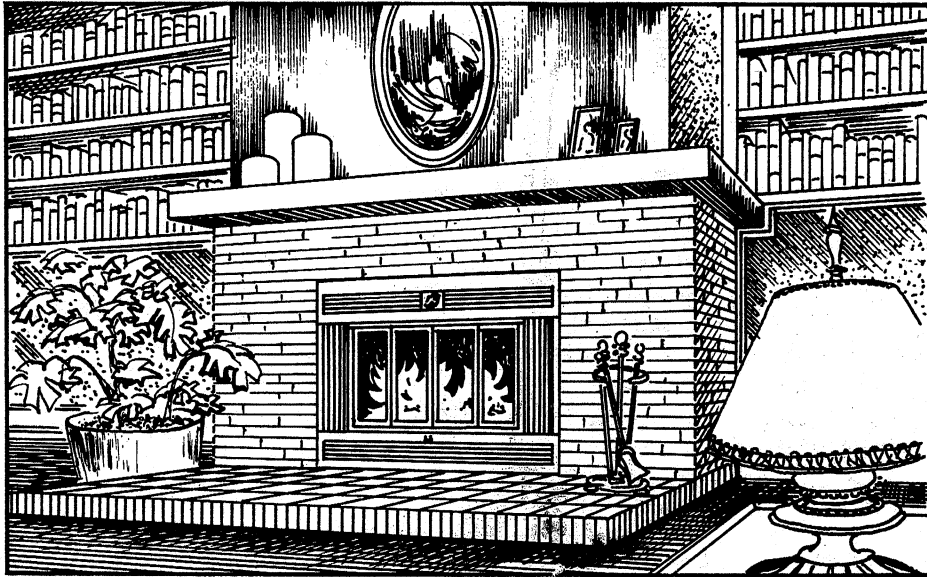


How to enjoy your built-in fireplace



MAJESTIC
An American-Standard Company

For WM and MEC series fireplaces
Save this homeowner's manual.

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Meet Your New MAJESTIC Fireplace

Your new MAJESTIC fireplace is an engineered system designed to provide maximum pleasure with trouble-free operation. It can only perform to its fullest potential, however, if you operate and care for it properly. This manual is to help you do that.

The first things you should know are the basic parts of your particular fireplace model and what those parts do. This will give you a better understanding of the descriptions that are to follow in this manual. **It is important to note that all these parts have been engineered to work together. If you decide to use some unapproved part or make any modification, the fireplace will not operate as it was engineered to do. This, therefore, may possibly cause a fire hazard.**

The MAJESTIC warranty will be voided by, and MAJESTIC disclaims any responsibility for, the following actions:

- modification of the fireplace, chimney assembly or any of the component parts thereof; except for chase flashings as detailed in MAJESTIC Chimney Top installation instructions.
- installation other than as instructed by MAJESTIC; or
- installation and/or use of any component part not manufactured or approved by MAJESTIC in combination or assembly with a MAJESTIC fireplace system, notwithstanding any independent testing laboratory or other third party approval of such component part or accessory.

Any such action may possibly cause a fire hazard.

The firebox is the main cavity of the fireplace where the fire is built. Its shape and size are designed to promote efficient burning of the fire and to reflect the maximum amount of heat out through the fireplace opening into the room.

The heat exchanger: The WM and MEC Series fireplaces have a multiple wall construction that allows room air to pass around the firebox and back into the room. Heat transfers from the fire to the air circulating through these passageways. The heat exchanger is the heart of the WM and MEC Series fireplace systems providing the extra room heat that is lost with conventional fireplaces.

The hearth is the floor of the firebox. It is made of a concrete-like material and functions as a base for the fire grate or andirons to rest on.

The air inlet/outlet grilles (Figs. 1 & 2) are part of the heat circulating system. Cool room air enters through the bottom grilles and travels through the heat exchanger, or the bottom and side walls of the forming firebox. The resultant hot air is then returned to the room through the top grilles.

The chimney is the complete vertical structure that houses the flue. With MAJESTIC Fireplaces the chimney utilizes a special thermo-siphoning design that keeps the outside of the chimney from getting too hot.

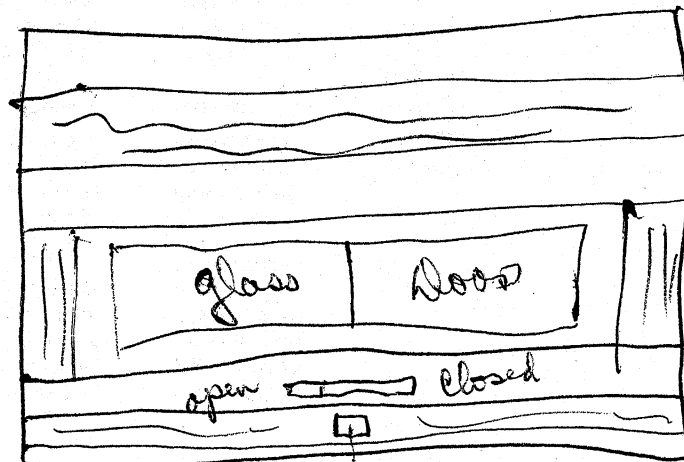
The flue is the innermost passageway of the chimney system through which the smoke and gases from the fire travel to the out-of-doors.

The damper is the door to the flue. For the WM and MEC Series fireplaces, it is opened and closed by a knob in the center of the top outlet grille. The MEC damper operates only to the full open or full closed position. The WM series damper is adjustable to full open, full closed and three intermediate position. (Fig. 1). **The damper must be in the open position whenever a fire is burning so that smoke and gasses can escape up the flue rather than into the room. It should not be closed until the fire is completely out.** The damper is closed **only** when a fire is not burning, to keep heated room air from being lost up the flue.

The screen is a protective curtain of wire mesh that helps keep sparks and hot embers from leaving the firebox. **The screen should always be kept closed whenever a fire is burning in the firebox.**

There are a number of energy conserving accessory parts such as glass enclosures that can be easily added to your MAJESTIC Fireplace. These are described on page 12.

NOTE: Remove the warranty card and the customer warranty filing card from the plastic bag in which you found this owner's manual. Retain the warranty card in a safe place for future reference should you ever need service covered by this warranty. Fill out the customer warranty filing card and mail it to the Majestic Company.



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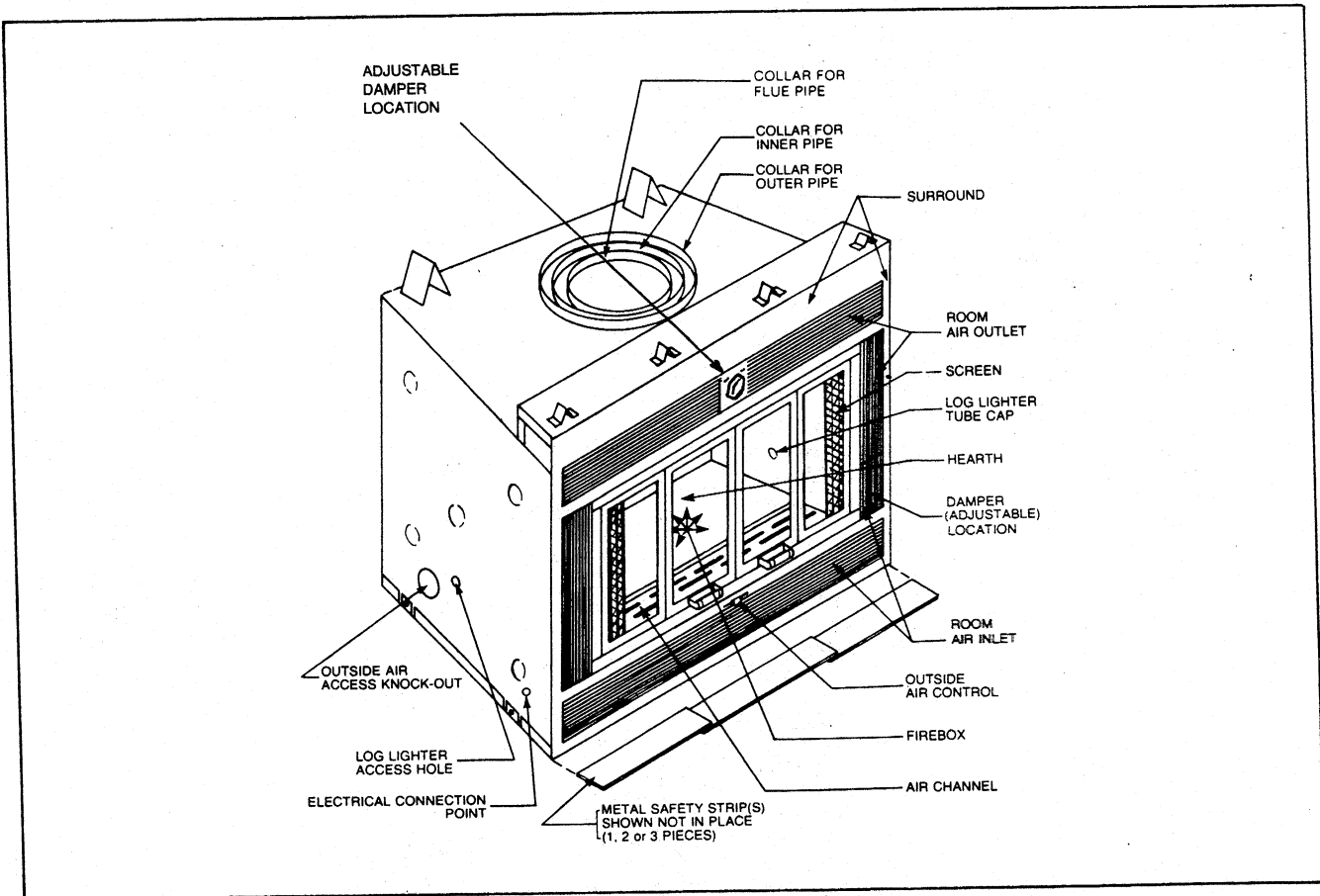


Fig. 1. Parts of the WARM MAJIC™ heat-circulating fireplace.

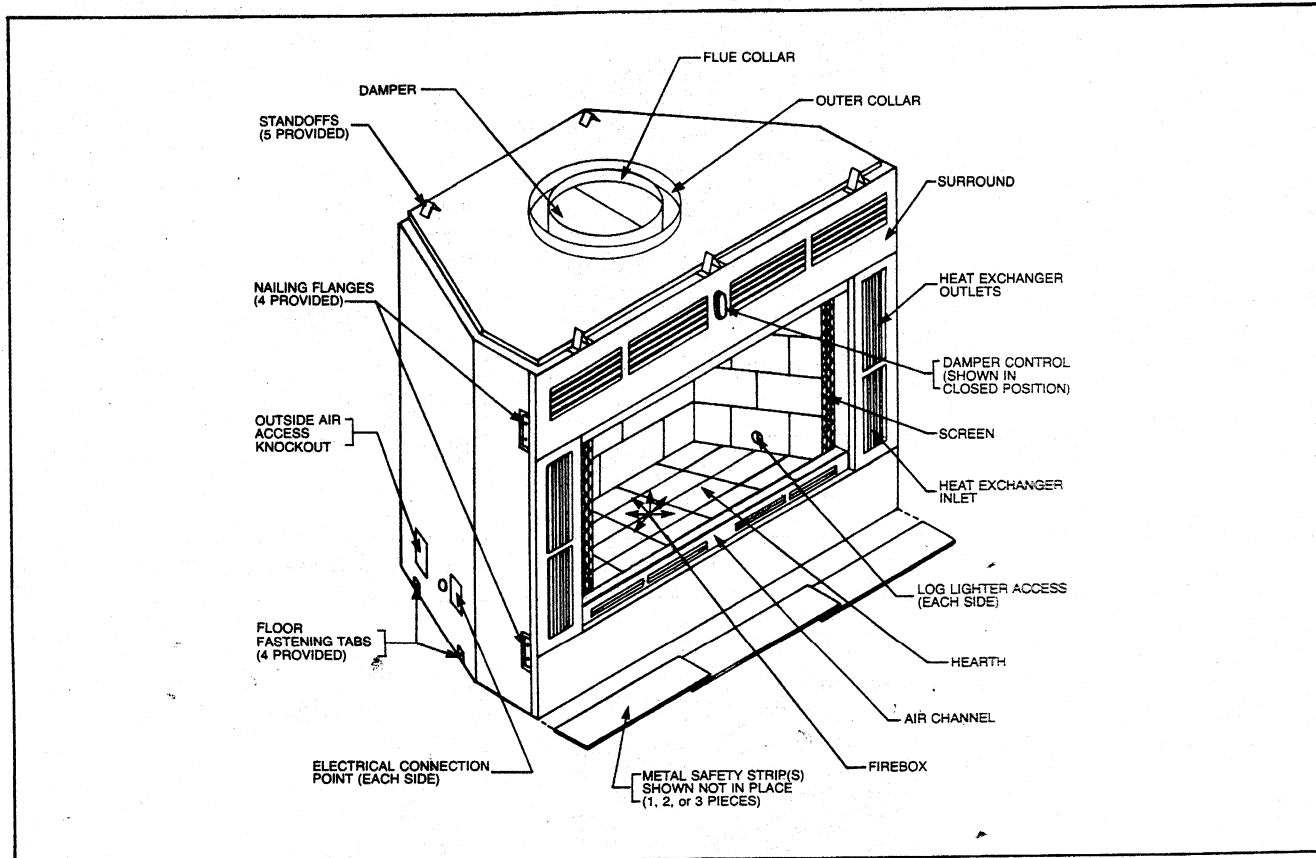


Fig. 2. Parts of the MAJESTIC MEC36 fireplace.

Operating Precautions

Although the following operating precautions are discussed in other parts of this manual, they are stated here for emphasis and to provide a quick reference.

1. Make sure that all passageways of the chimney system are clear and unobstructed.
2. Never use liquid fuels or liquid fire starters.
3. Be sure fire is provided with sufficient air to prevent smoking, sooting and the formation of harmful gases.
4. Never burn scrap lumber, pine branches, trash, plastics, flame colorants, soot cleaners or other chemicals or compounds.
5. Always use a grate or andirons to support the fire.
6. The first few fires should be small.
7. Always keep the fireplace screen completely closed while the fire is burning.
8. Remove protective plastic coating from fireplaces equipped with brass glass enclosures prior to first firing to prevent discoloration.
9. Always open the damper before lighting a fire and keep it open while the fire is burning. Do not close the damper until the fire is completely out. WM36 adjustable damper must be adjusted to a non-smoking condition when doors are open.
10. Never place any combustible objects (furniture, pillows, etc. closer than 24 inches to a WM Series or MEC Series fireplace.
11. Never use more than one artificial log at a time.
12. Never let anything obstruct the air inlet/outlet grilles.
13. Build your fire within approximately 1/2-inch of the back of the firebox for good burning.
14. Always use care when adding wood to the fire and when using fireplace tools, (shovels, tongs, pokers, etc.).
15. Always remain present while the fire is burning.

How to Operate Your MAJESTIC Fireplace

Your MAJESTIC Fireplace can provide countless hours of pleasure and security. However, use your MAJESTIC Fireplace carefully, for anytime you build a fire inside a house a problem can develop if you become careless.

THE DAMPER

The WM and MEC Series fireplace flue dampers are opened and closed by a knob located in the top outlet grille of the fireplace. The WM damper is adjustable and may be adjusted to a partially open position as long as smoking does not occur. The WM damper should be set at its lowest position when the doors are closed to obtain the most efficient operation. Remember, the damper must always be in an open position when a fire is burning in the fireplace. See fig. 3 and fig. 4.

THE NEED FOR AIR

A fire requires a sufficient amount of air in order to burn properly. Insufficient air will cause smoking, sooting and harmful gases to flow out of the fireplace into the room. As the fire in a fireplace burns, it uses up the air in the firebox, requiring replacement air to make up for the loss. In most cases there is sufficient air in the room to provide this replacement. In the case of a tightly sealed and well insulated house, however, enough replacement air from outside may not be allowed to enter the room where the fireplace is located.

The WM and MEC Series fireplace is designed with an outside air feature which directly feeds the firebox with outside air. When the combustion air system has been completed by installing ducting to an outside air source, the supply on the WM may be controlled by moving the lever below the doors to the left to close and to the right to open. See Fig. 1. Refer to the MAKE-4 instructions for operation of the outside air system of the MEC series fireplace.

Your MAJESTIC fireplace is energy efficient.

The WM and MEC circulating fireplaces add to the standard radiant heat output of a traditional fireplace by distributing useful amounts of convective heat into the home. Heat circulating fireplaces circulate room air by drawing in cool air, passing it around the firebox and then returning the warm air to the room. These units can be even more efficient supplemental heat sources with options such as combustion air, fans, and glass enclosures.

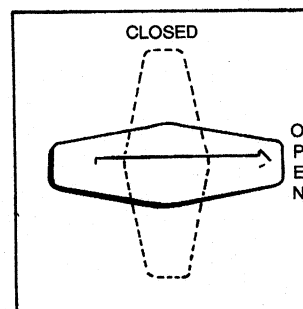


Fig. 3. MEC Damper Knob

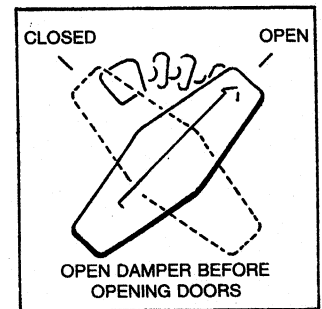
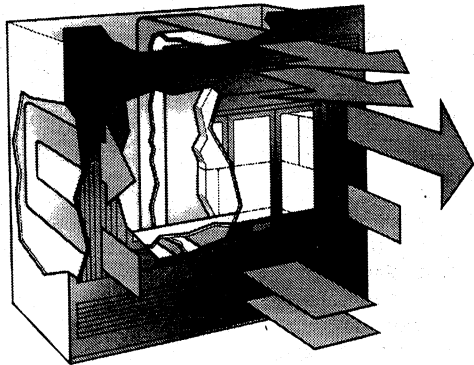


Fig. 4. WM Damper Knob



WARM MAJIC™, FIRST OF A NEW BREED OF HEAT-CIRCULATING FIREPLACES.

More than two years of engineering research and development has been consummated in a totally new heat circulating fireplace from Majestic. Never before has a fireplace design evolved from such advanced heat transfer concepts. The all new WARM MAJIC fireplace represents a complete departure from traditional fireplace engineering.

It all starts with the revolutionary FIRE-WRAP heat circulation principle. The exclusive unitized, welded firebox of the WARM MAJIC is literally *wrapped* — over, under, on the sides and the back, too — with two recirculating layers of air drawn from the room and sent back into the room. The hottest surfaces of the fireplace are used as true heat exchangers, accounting for the stove-like efficiency* of the WARM MAJIC.

***To obtain stove-like efficiency, with normal fire, the Warm Majic fireplace must be operated with the optional fan kit on high speed, flue damper adjusted to the least opened position, and with glass enclosure doors closed.**

Cool room air is drawn in beneath heavy gauge steel hearth-plate, passed up behind the steel backwall and then directed across the top of the unit before returning to the room. Within this airflow passage is the HOTPLATE™, a radiant inner wall which divides and parallels the air path, effectively *doubling* the heat transfer surface area in the FIRE-WRAP system. Additionally, each sidewall of the firebox contains a separate airflow system which channels even more heat from the fire back into the room.

The use of three independent airflow patterns allows room air to flow through the FIRE-WRAP system with fewer directional changes, resulting in a greater amount of circulating airflow.

WARM MAJIC includes just about every energy-saving feature known to improve fireplace efficiency. Standard bi-fold glass doors, available in black or antique brass finish, should be closed when burning a low fire, or when allowing a fire to burn out. Outside combustion air ducts and termination vents comprise another standard energy-saving feature. The adjustable flue damper has a unique concealed control which can be hand-operated when the fireplace is in use.

An optional tangential-flow Fan Kit augments the standard gravity air flow system, providing optimum quiet forced air heating efficiency. Also, a unique venturi flue throat results in a low profile, flat-top design which facilitates chimney chase installations where venting through the ceiling is not practical. Integral flue guides on the top surface of the firebox effectively control smoke backlash. And the 22" deep firebox, with a wide 36" front opening gives you all the room you need to build and enjoy a friendly, cozy fire.

NOTE: The MAJESTIC BG22 basket grate is designed to be used with the WM36 fireplaces. See Fig. 5 for size equivalences.

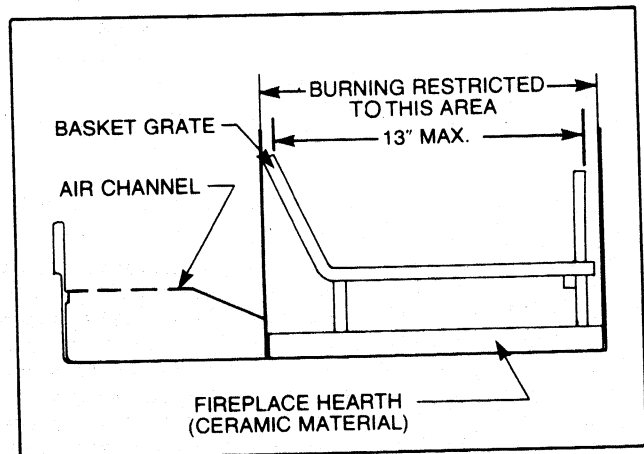
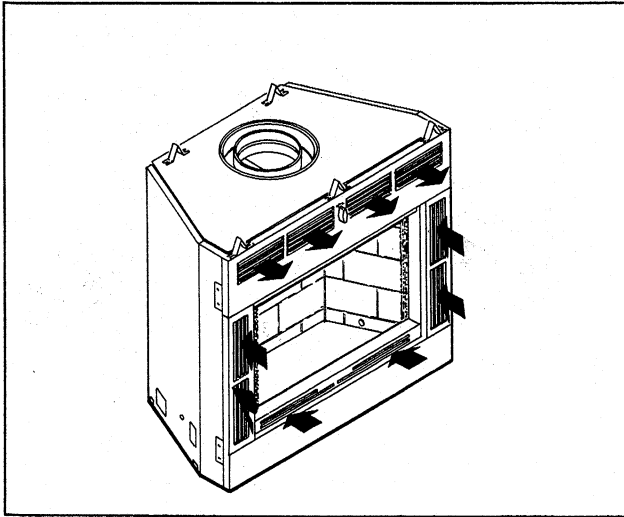


Fig. 5. for WM36 only. Basket grate prohibits burning over air channel area.



THE MEC FIREPLACE

With the homebuilder in mind, MAJESTIC has created an energy efficient fireplace system for use in new single and multi-family residential construction. The MEC offers integral features which make it an excellent choice for quick installation. The air flow pattern in this fireplace allows air to enter through the sides, circulate under the firebox, up the back and out through the top grille area. The room air grilles are built into the fireplace surround, eliminating the need for special framing construction. The unit contains no lower grille allowing hearth extension construction level with the firebox floor.

The MEC has outside air capacity built into the unit. When the optional outside air collar and damper are purchased, the outside air control is at a point of easy access at the bottom of the left side grille. This outside air system provides a means of bringing combustion air to the fireplace to prevent cold drafts in the room. The outside air damper is mounted at the outside air collar, eliminating all cold air from the room and firebox when the outside air system is closed.

In locations where outside combustion air is required by recent HUD specifications, a MAJESTIC MAKE-4 is required to complete the system. The outside air system must be installed at the time of original installation of the fireplace.

Optional glass doors may be installed with the unit or added at a later time. These tempered glass doors not only enhance the beauty of the fireplace installation, they also contribute to the overall efficiency of the fireplace system.

YOUR FIRST FEW FIRES

The first few fires should be small to allow proper break-in of the fireplace. A moderate heat is needed to cure the special fire-clay material used in the hearth manufacture of your MAJESTIC Fireplace. Following this important precaution will increase the service and enjoyment you get from your fireplace.

It should be noted that you may smell a slight odor and see smoke coming from the Heat-Circulating/outlet grilles during the burning of your first few fires. This is normal and will disappear after the first few fires.

HEAT OUTPUT DEPENDS ON FIRE QUALITY

The heat output depends on how hot the fire is. The better the fire is built and tended, the warmer the output. Skill in building and tending a fire can be developed by observing the following guidelines.

BUILDING THE FIRE

Position your grate or andirons in the center of the fireplace hearth and approximately 1/2 inch from the back wall of the fireplace. If you are using andirons, they should be spread apart 12 to 14 inches. (See Fig. 6).

Place a generous amount of crumpled or twisted newspaper under the grate or on the hearth between the andirons. Allow a few ends of the paper to extend out beyond the log area for later lighting. Arrange kindling (small diameter sticks) in a criss-cross pattern on top of the paper.

Place a large diameter log, preferably one that has been split, across the grate or andirons within approximately 1/2 inch of the back wall of the fireplace. Place a second split log 1 to 2 inches in front of the first log. Place a third split log on top of the other two, forming a crude pyramid. Be sure that the irregularities of the logs form air spaces between the logs. If they don't, place a few sticks of kindling between the logs to separate them slightly. Your fire needs these airflow passageways to burn properly. Additional logs may be added as needed to increase or maintain heat output. Logs should be split preferably in quarter sections or smaller pieces. Split logs have more burning surfaces than whole logs and burn more readily.

The type and condition of wood that you use to build your fire with will have a great effect on the heat output of your fireplace. For best results use oak, maple, birch, hickory, apple, or similar hardwoods. The wood should be dry and seasoned 9 months to a year before use. Soft woods are not as desirable as hardwoods because they burn quickly and can cause resin buildup in the flue. Wet or green wood smolders and often smokes.

CAUTION: Don't burn scrap lumber, pine branches, trash, plastic, flame colorants, soot cleaners or other chemicals or compounds.

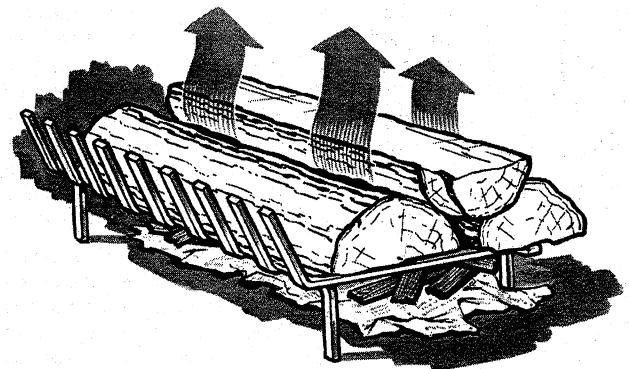


Fig. 6. The basic ingredients of a good wood fire.

Smoking Is Intermittent When The Wind Is Coming From A Certain Direction Or Is Blowing Hard

You probably are getting downdrafts in your chimney. These can be caused by the chimney top being too low or by nearby wind obstructions such as buildings or trees. It may be necessary to increase the height of your chimney top. Contact your Majestic Dealer for the necessary facts and installation instructions.

Smoking Occurs After The Fire Has Been Burning For Some Time.

More than likely your house is tightly sealed and well insulated. This reduces the amount of replacement air that can enter the room in which the fireplace is located. The smoking problem should be solved by adding a fresh air vent in the room. The vent should be about 8-inches in diameter. Another approach is to open a window or door slightly to provide the needed air.

ACCESSORIES

Information on how to operate MAJESTIC Fireplace Accessories is given in the Installation and Operation Instructions provided with each accessory.

OPERATING UNITS WITH GLASS DOORS

Follow the procedure for building and starting a fire as detailed earlier. You may close the glass doors AFTER the fire is well started. Do not, however, close the glass doors on an excessively hot fire as this may harm the glass in the doors. The glass must be allowed to warm slowly. The tempered glass in the doors will withstand a gradual temperature rise to 550°F, which is more than a normal fire will create. An excessively hot fire can be created by such things as pitch laden logs, very dry mill end lumber, or large amounts of paper or cardboard cartons. Keep the fire well back from the doors and never let flames contact the glass.

Please note that under moderate firing, some discoloration may occur on brass door frames. Keeping the fire small and toward the back of the fireplace will help prevent this discoloration.

GLASS DOOR OPERATING PRECAUTIONS.

When operating a fireplace with glass doors, certain additional precautions should be taken. The following precautions should be observed.

1. Always start the fire with the doors open. Close the fireplace screen until fire is established.
2. If unit has an adjustable flue damper, open flue damper fully before opening the doors to prevent smoke from escaping into the dwelling.
3. Always keep the bottom air inlet channel free of obstructions.
4. Do not build extremely large fires as they could damage the tempered glass in the doors.
5. Never allow the flames from the fire to contact the door glass.
6. When the doors are open, the screen must be closed.

Fireplaces equipped with doors should be operated only with doors fully open or doors fully closed. If doors are left partly open, gas and flame may be drawn out of the fireplace opening, creating risks of both fire and smoke.

See Figure 8 for correct door positions. When doors are open, the screen must be closed.

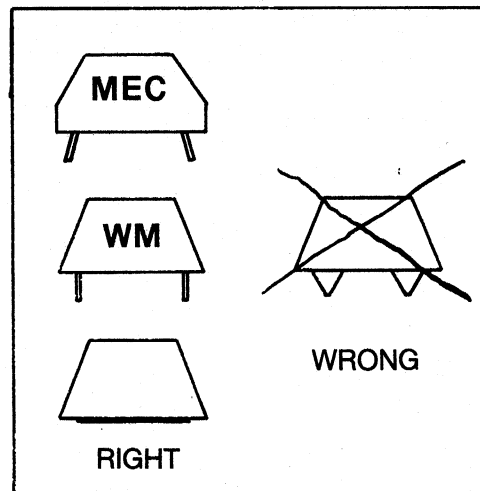


Figure 8 - Top View Glass Door Position.

OPERATION CHECK LIST

The following list summarizes the key operating steps previously discussed. You may find it useful for a quick review from time to time, particularly at the start of each new fireplace usage season.

- 1. Clean out ashes from previous fire, but leave small layer of ashes on hearth under fire area.
- 2. Position grate or andirons toward back of firebox.
- 3. Put crumpled newspapers under grate or andirons.
- 4. Add kindling on top of newspapers.
- 5. Position three logs in the form of a pyramid — be sure there are air spaces between the logs.
- 6. Use dry, seasoned hardwood.
- 7. Be sure damper is completely open*.
- 8. Lay piece of newspaper on top of logs and light.
- 9. Ignite starter paper under kindling.
- 10. Add logs as necessary.
- 11. Keep logs together in a group at back of fireplace.
- 12. Keep bed of hot ashes under fire — not too deep.
- 13. Leave damper open and screen closed until fire is completely out.
- 14. Always remain in attendance when fire is burning.

WM36A damper may be adjusted to one of partially closed position; but if smoking occurs, must be moved toward a more open position.

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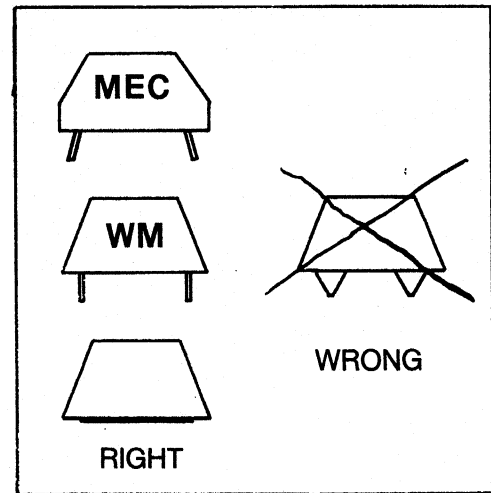


Figure 8 - Top View Glass Door Position.

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- 2. Position grate or andirons toward back of firebox.
- 3. Put crumpled newspapers under grate or andirons.
- 4. Add kindling on top of newspapers.
- 5. Position three logs in the form of a pyramid — be sure there are air spaces between the logs.
- 6. Use dry, seasoned hardwood.
- 7. Be sure damper is completely open*.
- 8. Lay piece of newspaper on top of logs and light.
- 9. Ignite starter paper under kindling.
- 10. Add logs as necessary.
- 11. Keep logs together in a group at back of fireplace.
- 12. Keep bed of hot ashes under fire — not too deep.
- 13. Leave damper open and screen closed until fire is completely out.
- 14. Always remain in attendance when fire is burning.

WM36A damper may be adjusted to one of partially closed position; but if smoking occurs, must be moved toward a more open position.

How to care for your MAJESTIC Fireplace

Your MAJESTIC Fireplace is built to operate trouble-free with little need for extensive time-consuming maintenance. As with any such piece of equipment, however, your fireplace will operate better and give longer service if a few basic house-keeping procedures are followed.

A. BEFORE EACH USE OF THE FIREPLACE

1. Inspect the firebox to be sure it is clean and ready for use. Remove excessive ashes.
2. Make sure your fireplace screen and air inlet/outlet grilles are clean and unobstructed.
3. Inspect the hearth and firebrick liner for cracks or damage.
4. Make sure flue is unobstructed and damper is completely open.

B. IN THE FALL BEFORE THE FIRST SEASONAL USE OF THE FIREPLACE

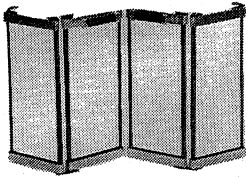

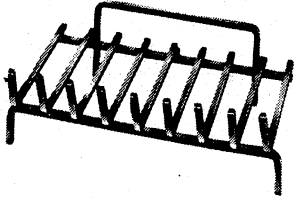
1. Inspect the roof in the area of the chimney and remove any obstructions or foreign material.
2. Inspect the chimney top housing, removing any obstructions and cleaning bird guard screen.
3. Inspect the flue for obstructions and remove them if any obstructions are found.

C. IN THE SPRING AFTER THE LAST SEASONAL USE OF THE FIREPLACE

1. Inspect the chimney top housing, removing any obstructions.
2. Inspect the flue for obstructions and remove them if any are found.
3. Inspect the complete chimney top for corrosion, replacing any structurally weakened parts.
4. Inspect the chimney flashing. This is the first place to look if you are having any roof leakage problems. Check for ruptured seals and any other openings, such as at nail heads, sealing any openings found.
5. Clean the complete fireplace.

ACCESSORY ITEMS

The following accessory parts can be obtained from your Majestic Dealer. All accessories except screen kits and basket grates are supplied with installation and operating instructions packaged with the unit. Should you need additional information, beyond what the dealer can furnish, contact the Majestic Company, Huntington, Indiana 46750, Attention: Director of Customer Service.

ACCESSORY		Built-in Fireplace Model Number	
		MEC	WM
	<p>Glass Enclosure Designed to enclose the opening with tempered glass doors, allowing the fire to remain visible.</p>	MEG36	Standard Equipment
	<p>Fan Kit Designed for use with the Fireplace to provide forced air flow.</p>	MEF	WFKB36
	<p>Basket Grate Designed to hold the firewood within the firebox.</p>	BG22	The MAJESTIC BG22 Basket Grate is designed to be used with the WM36 Fireplace (See Fig. 5 for size and equivalences.
Firebrick Liner		N/A	RWM
Hearth Patching Kit	Used to patch cracks in hearth	X	X

REPLACEMENT PARTS

Replacement parts for your MAJESTIC Fireplace can be obtained from your Majestic Dealer. For information on replacement parts that are available for MAJESTIC Accessories, refer to the installation and operating instructions provided with each accessory. Should you need additional information beyond what your dealer can furnish, contact the Majestic Company, Huntington, Indiana 46750, Attention: Director of Customer Service.

ADDENDUM

ADDENDUM FOR WM SERIES FIREPLACES OPERATION MANUAL

1. Throughout this manual you will find reference to a WM fireplace model with a flue damper control knob located in the center of the top outlet grille. This location is incorrect; the WM flue damper control is actually located behind the lower right side grille and can be accessed by lifting the bottom of the grille upward and outward. The control is labelled for damper positions.
2. On Page 6, Figure 5 is no longer applicable due to a change in the WM36 hearth size.