

# MAYTAG Whole Home Water Filtration System Owner's Manual

Models:  
MWF4100AWS  
MWF4200AWS  
MWF4300AWS

## Your Operation and Maintenance Guide

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**Important: see safety warnings and cautions inside.**

MAYTAG Whole Home Water Filtration System Owners Manual MA1-5  
November 2003

## Thank you...

By purchasing the MAYTAG Whole Home Water Filtration System you have taken the first step in providing safer, great tasting water for the entire home.

The MAYTAG Whole Home Water Filtration System is an advanced Point of Entry (POE) water filtration system that uses ultrafilter membrane technology to provide a physical barrier to bacteria, parasites, viruses and particles. The System requires minimal maintenance and will provide you with years of cleaner, safer, better tasting water. Simply follow the information found in this manual and schedule an annual maintenance visit by your MAYTAG Whole Home Water Filtration System Qualified Dealer.

The MAYTAG Whole Home Water Filtration System should only be installed where the System and the installation complies with provincial or state laws and local laws and regulations. The MAYTAG Whole Home Water Filtration System conforms to ANSI/NSF 42 and 53 for the specific performance claims as verified and substantiated by test data. The System should only be used to filter cold water (less than 38°C (100 F)) and must be protected from freezing.

## Dealer and System Information

MAYTAG Qualified Dealer	_____
Model Number	_____
Qualified Technician	_____
Phone Number (MAYTAG Customer Care) <b>1-800-688-2002</b>	_____
Emergency Customer Service Number	_____
Membrane Module Serial Number	_____
Backpulse Tank Serial Number	_____
Backpulse Tank Pressure Setpoint	_____
Installation Date	_____

Maytag Canada  
4151 North Service Road  
Burlington, Ontario  
L7R 4A8  
1-800-688-2002

## IMPORTANT! READ THIS FIRST

- Read this manual carefully prior to use.
- Permanently locate the manual near the water filtration system.
- Periodic checks of the MAYTAG Whole Home Water Filtration System are required to ensure safe and efficient operation.
- Annual maintenance by a MAYTAG Services Qualified Service Technician is required to validate the limited warranty.
- Cost of annual maintenance is the Owner's responsibility.
- Many of the tools referenced are available through your MAYTAG Qualified Dealer.
- Maintenance on the MAYTAG Whole Home Water Filtration System will mean that your house will not have water during the maintenance procedure. If water is required for cleaning a component or any other use during the maintenance procedure, be sure to fill enough suitable water containers before beginning the maintenance procedure.

### Using this Manual ...

The following typographical conventions are used in this manual:

Start by reviewing these important safety alert symbols. These safety symbols will alert you to the possibility of serious injury, death, or property damage.

*Italics* are used for emphasis.

### **DANGER**

Danger notices indicate the potential for severe injury, illness, death and/or property damage (ie. electrocution). Read and follow all instructions.

### **WARNING**



Warnings indicate actions that *could* cause damage to equipment, water contamination, severe injury, illness, death and/or property damage.

## Safety Instructions

The MAYTAG Whole Home Water Filtration System has been designed and tested to offer reliable service, provided it is installed by a MAYTAG Services Qualified Service Technician and is operated, maintained, and tested in strict accordance with the safety instructions contained in this manual.

## Operational Safety

- The MAYTAG Whole Home Water Filtration System is under pressure during use and precautions must be taken.

<b>⚠ WARNING</b>		
		<b>Explosion hazard.</b> Do not attempt to remove cap while the system is under pressure. Shut water off and initiate manual drain procedure to relieve system pressure before removing cap.
<p>To avoid possible serious illness or death from contaminated water:</p> <ol style="list-style-type: none"><li>1. If system is equipped with bypass valve - do not open bypass valve except in emergencies. Opening the bypass valve may permit microbially contaminated water to enter the household water distribution system. When the bypass valve is open, water may become contaminated with dangerous microbes. Do not drink the water when the unit is operating in bypass mode.</li><li>2. Wash hands after changing the prefilter or working on the system.</li><li>3. All service and maintenance is to be performed by a Maytag Services Qualified Service Technician.</li><li>4. The area near the system should be kept clear. Articles should be stored at a safe distance.</li></ol> <p>Read and follow the Owner's Manual for inspection, maintenance, and emergency bypass instructions. Read the instructions provided with the filter when changing prefilters.</p>		

- This device is designed to operate on a 120VAC/15 Amp/ 60Hz line. **Do not** modify the plug on the power cord. If the plug does not fit the electrical outlet, have a proper outlet installed by a qualified electrician.
- To avoid System damage: Ensure that a Stainless Steel Prefilter or Carbon Prefilter is in place during operation of the System. In the absence of an Internal Prefilter, abrasive damage to the System may occur. A damaged System may permit contaminated water to enter the household distribution system causing illness. Irreversible and premature fouling of the System may also occur resulting in System replacement at the owner's expense.

## Service and Maintenance Safety

- To avoid electric shock: Disconnect the AC power from the **MAYTAG** Whole Home Water Filtration System before servicing the controller; do *not* remove the controller cover while System is in use. Only **MAYTAG** Services Qualified Service Technicians should attempt to service the controller.
- Important: The **MAYTAG** Whole Home Water Filtration System must be kept in a wetted condition. Once installed or during service and maintenance activities, do not allow the System to sit completely drained for extended periods (greater than 12 hours). Failure to do so may damage the System and cause contaminated water to enter the household.

## **WARNING**

The **MAYTAG** Whole Home Water Filtration System must be kept wet at all times after installation. Failure to do so may cause System to dry and become damaged, which may lead to personal injury, and/or physical damage and **will void any warranty**.

### **Winter Storage**

- The **MAYTAG** Whole Home Water Filtration System will be damaged if frozen. The System must be winterized according to the Winterization Procedure by a **MAYTAG** Services Qualified Service Technician.

## **WARNING**

The **MAYTAG** Whole Home Water Filtration System must be winterized prior to temperatures falling below 0°C (32 F). Failure to do so may cause System to dry, freeze and become damaged, which may lead to personal injury, and/or physical damage and **will void any warranty**.

### **Other Safety Precautions**

- Do not plug in the Controller transformer if there is water on electrical wiring or the power supply.
- Always shut off water flow and release water pressure before cleaning or maintaining the System.
- The System is intended for indoor use only. The power supply and controller must not be exposed to weather elements.
- A **MAYTAG** Services Qualified Service Technician must perform an Integrity Test at least once a year.

## **WARNING**

The **MAYTAG** Whole Home Water Filtration System must be;

- tested annually using the integrity test.
- operated with either a Carbon or Stainless Steel Prefilter.

Failure to do so may cause System to become damaged, which may lead to personal injury, and/or physical damage and **will void any warranty**.

### **Emergency Bypass Safety (if installed where required by local plumbing codes)**

Some Systems will have a bypass valve installed. If a bypass valve is installed, your System piping will look like Photo 1. Follow these safety precautions if your System has been installed with an emergency bypass valve.

## **⚠ WARNING**

Bypassing the **MAYTAG** Whole Home Water Filtration System will result in unfiltered water entering the household distribution system. This water may be biologically unsafe and drinking this water could result in illness or death. Exercise caution in bypassing the System. Do not drink water from the System while the System is in bypass mode.

If the System has been operated in bypass mode and if water is being drawn from a well or surface water source, the household distribution system should be re-disinfected once returned to filtration mode.

If the System is in bypass mode, **the controller must be unplugged**. Failure to do so may cause System to dry and become damaged, which may lead to personal injury, and/or physical damage and **will void any warranty**.

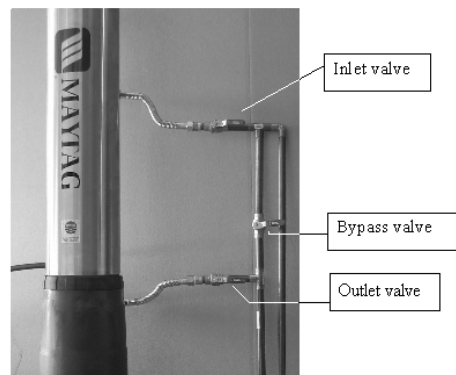


Photo 1. Maytag Water Filtration system equipped with bypass valve

A bypass system is not required for proper operation of the **MAYTAG** Whole Home Water Filtration System, however some local plumbing codes may require a bypass. If the System is to be equipped with a bypass, the procedure below may be followed to provide water in an emergency or System malfunction.<sup>1</sup>



Photo 2a. Ball valve: open position



Photo 2b: Ball valve: closed position

<sup>1</sup> System malfunction would include a possible water leak or failed integrity test.  
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## **Bypass Procedure**

1. Close the Inlet and Outlet ball valves (turn handles clockwise). Ball valves are in the closed position when the handle is positioned perpendicular to the water pipe. (See Photo 2a and 2b on previous page.)
2. Open Bypass Valve (turn handle counter-clockwise).
3. Unplug controller.
4. To return to filtered water service, in the order listed;
  - close bypass valve (turn handle clockwise)
  - open inlet and outlet ball valves (turn handles counter-clockwise)
  - plug in controller

## **Certifications and Testing**

### **NSF (National Sanitation Foundation) Testing and Certification**

NSF International is the world's leading testing and certification laboratory for water treatment products.

#### **Models MWF4200AWS and MWF4300AWS:**



System Tested and Certified by NSF International  
against NSF/ANSI 42 and 53 for:

- Cyst Reduction
- Turbidity Reduction
- Particulate Reduction - Class 1

## Model MWF4100AWS:



System Tested and Certified by NSF International against NSF/ANSI 42 and 53 for:

- Cyst Reduction
- Turbidity Reduction
- Particulate Reduction - Class 1
- Chlorine, Taste and Odour Reduction

Chlorine Reduction Capacity Rating:  
396,000/105,000 (litres/gallons)

Do not use the MWF4100AWS, with activated carbon filter option, with water that is microbiologically unsafe or of unknown quality unless adequate disinfection before or after the System. Models with activated carbon filter option certified for cyst reduction may be used on disinfected waters that may contain filterable cysts.

The **MAYTAG** Whole Home Water Filtration System and **MAYTAG** Whole Home Water Filtration System with Activated Carbon Prefilter should only be installed where the System and the installation complies with state, provincial and local laws and regulations. The **MAYTAG** Whole Home Water Filtration System and **MAYTAG** Whole Home Water Filtration System with Activated Carbon Prefilter should only be used to filter water that is cold. The **MAYTAG** Whole Home Water Filtration System and **MAYTAG** Whole Home Water Filtration System with Activated Carbon Prefilter conforms with ANSI/NSF 42/53 for the specific performance claims as verified and substantiated by test data.

### **WARNING**

The **MAYTAG** Whole Home Water Filtration System must be installed by a **MAYTAG** Services Qualified Service Technician and properly maintained in accordance with the Owner's Manual. Failure to properly maintain the System will compromise performance and/or result in a failure to control water quality. The **MAYTAG** Whole Home Water Filtration System is not intended for the treatment of water that has an obvious contamination source (such as sewage or wastewater). Biofilm and pathogens in home piping systems could shed into water after it has been filtered through the **MAYTAG** Whole Home Water Filtration System. Exposure to microorganisms may also occur during daily activities.



## Independent Laboratory Testing Results – Biovir Laboratories

The following information is a summary of the **MAYTAG** Whole Home Water Filtration System and **MAYTAG** Whole Home Water Filtration System with Activated Carbon Prefilter Independent Laboratory Testing results.

**Independently Tested By BioVir Laboratories, Inc. ,  
Benicia, California**



The MAYTAG Whole Home Water Filtration System has been independently tested by BioVir Laboratories, a California Department of Health (CDH) Approved Laboratory. The test results were:

**Bacteria Reduction\* - greater than 99.99999%**  
**Virus Reduction\*\* - greater than 99.7%**

\* Tested with Echerichia coli bacteria

\*\* Tested with Polio virus

## Service

All service and maintenance is to be performed by a MAYTAG Services Qualified Service Technician.

Should service be required during or after the warranty period, or should you have any questions regarding how to use your MAYTAG Whole Home Water Filtration System, please call MAYTAG Customer Care at 1-800-688-2002.

## Legal Disclaimer

This manual attempts to outline some of the basic principles of household water collection, treatment and discharge and some of the features of the **MAYTAG Whole Home Water Filtration System** (the “System”). It is not intended to be a definitive dissertation on the principles set out above and is provided as a reference guide to homeowners. Any other reliance is expressly excluded herein.

The **MAYTAG** Whole Home Water Filtration System must be installed by a **MAYTAG** Services Qualified Service Technician and properly maintained in accordance with the Operations and the Owner’s Manual. Failure to properly maintain the System will compromise performance and/or result in the failure to control water quality.

See tables for Certifications and Laboratory test information.

**⚠ DANGER**

To reduce the risk of severe injury, illness, death and/or property damage, read and follow all instructions. Use only **MAYTAG** authorized parts where required to repair and service the **MAYTAG Whole Home Water Filtration System**.

## **WARNING**

All **MAYTAG** Whole Home Water Filtration Products must be installed in accordance with all local building and plumbing codes.

The **MAYTAG** Whole Home Water Filtration System must be protected against freezing and less than 0°C (32 F) temperatures. Failure to do so may cause System to become damaged, which may lead to personal injury and/or physical damage.

The **MAYTAG** Whole Home Water Filtration System must be installed on cold-water distribution systems only. Failure to do so may cause System damage, which may lead to personal injury and/or physical damage.

The **MAYTAG** Whole Home Water Filtration System must be filled with water at all times after installation. Failure to do so may cause System to dry and become damaged, which may lead to personal injury and/or physical damage.

### **Trademarks**

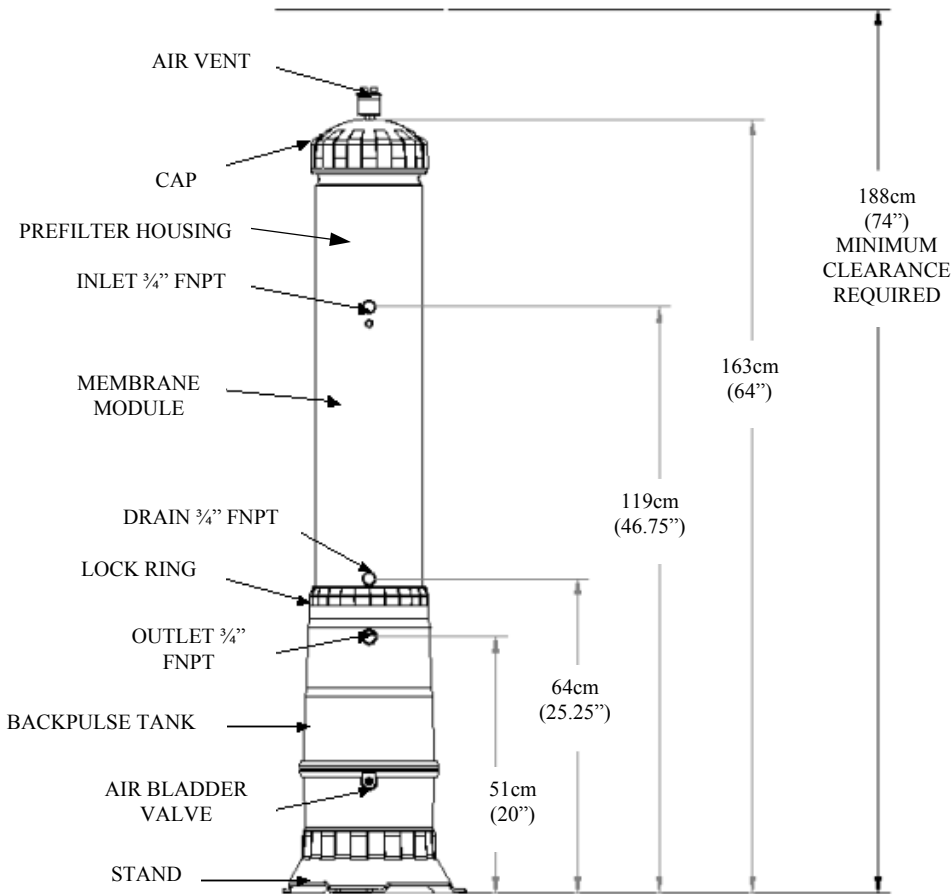
The following are registered trademarks:

ZENON Environmental Inc.



# System Description

Figure 1. MAYTAG Whole Home Water Filtration System, components and dimensions



# Replacement Parts

Table 1 - Replacement parts used with the MAYTAG Whole Home Water Filtration System

Part Number	Description	MWF 4100 AWS	MWF 4200 AWS	MWF 4300 AWS
67500001	Carbon Prefilter	√		
67500002	Stainless Steel Prefilter		√	√
67500008	8" Neoprene cap O – Ring	√	√	√
67500007	System Replacement (includes cap, O-ring, 3 poly nipples and backpulse tank)	√	√	√
67500010	Cap Wrench	√	√	√
67500003	External Prefilter Kit			√
67500004	External Prefilter Replacement Cartridge			√
67500025	External Prefilter Wrench			√
67500026	External Prefilter O-Ring			√
67500005	Base Controller with batteries (2AA)	√	√	

67500006	Advanced Controller with batteries (2AA)			√
67500011	Cap	√	√	√
67500012	Lockring	√	√	√
67500013	Backpulse Tank	√	√	√
67500014	Base	√	√	√
67500015	Inlet or Outlet Pipe Assembly	√	√	√ (Inlet may also require solenoid NO)
67500016	Drain Pipe Assembly	√	√	√
67500017	Installation Sub Assembly Kit (inlet, outlet, drain, air vent)	√	√	√ (Inlet may also require solenoid NO)
67500018	Solenoid Valve NC (Normally Closed)	√	√	√
67500019	Solenoid Valve NO (Normally Open)			√
67500020	Hex Elbow, 3/4" Mx 5/8" Hose Barb	√	√	√
67500021	Air Vent Valve, automatic float, duo vent	√	√	√
67500009	O-Ring Lube – NSF Certified	√	√	√
67500023	Pressure Test Gauge Assembly	√	√	√
67500024	MAYTAG MC1 Cleaning Solution		√ (for ground water only)	

## Startup of a new MAYTAG Whole Home Water Filtration System

Once the MAYTAG Services Qualified Service Installer has completed the new System installation, the owner should thoroughly flush the filtration system before using. Simply open a nearby water tap and allow to run for about 1 hour. Ensure that the drain is open and unobstructed and able to accommodate the flow. Do not leave flowing water tap unattended. This will remove any residual preservative from the new System.

## Sanitizing Your Household Distribution System

If your new MAYTAG Whole Home Water Filtration System is being used to filter water from sources other than a municipal drinking water supply, your household drinking water distribution system should be sanitized prior to use. Please see your MAYTAG Services Qualified Service Installer or MAYTAG Customer Care for details.

## Maintenance Schedule

All service and maintenance is to be performed by a MAYTAG Services Qualified Service Technician. An annual integrity test must also be performed by a MAYTAG Services Qualified Service Technician. This annual test is **required** as part of the 5 year limited prorated membrane warranty.

If the MAYTAG Services Qualified Service Technician determines that the System has a high degree of debris causing a reduction in System flowrate, the number of visits per year may be increased by MAYTAG to ensure that the System stays within operational limitations set by

MAYTAG Whole Home Water Filtration System and to ensure the limited warranty protection remains in effect.

Table 2 outlines the maintenance schedule that should be followed for each Model of the MAYTAG Whole Home Water Filtration System:

**Table 2 – MAYTAG Whole Home Water Filtration System Maintenance Schedule**

	Required service	Part No.	Comments	Every 12 Mo.
<b>Model MWF 4100 AWS</b>	Carbon Prefilter	67500001	Water sources with high levels of particulate, usage and/or chlorine will require more frequent changes.	Replace
	System cleaning	--		Clean
	Integrity testing*	--		Test
	Backpulse Tank air pressure	67500013	Adjust air pressure as required**	Test
	Base Controller batteries: 2AA	--	Check timer and program settings	Replace
<b>Model MWF 4200 AWS</b>	Stainless Steel Prefilter	67500002	Water sources having significant sediment will require more frequent cleaning.	Clean
	System cleaning	--		Clean
	Integrity testing*	--		Test
	Backpulse Tank air pressure	67500013	Adjust air pressure as required**	Test
	Base Controller batteries: 2AA	--	Check timer and program settings	Replace

**\*MAYTAG Services Qualified Service Technician must conduct an Integrity Test annually in order to validate the limited warranty.**

**\*\*BP tank pressure setpoint is recorded on page 2.**

	Required service	Part No.	Comments	Every 6 mo.	Every 12 Mo.
<b>Model MWV 4300 AWS</b>	Stainless Steel Prefilter	67500002	Water sources with high levels of particulate will require more frequent cleaning.		Clean
	System cleaning	--			Clean
	Integrity testing*	--			Test
	System	67500007			
	Backpulse Tank air pressure	67500013	Adjust air pressure as required**		Test
	External Pre-filter cartridge	67500004	Highly variable service rate, due to variability in raw water quality.	Clean or replace	
	Advanced Controller batteries: 2AA	--	Check timer and program settings	Check	Replace

**Table 2 – MAYTAG Whole Home Water Filtration System Maintenance Schedule(cont.)**

**\*MAYTAG Services Qualified Service Technician must conduct an Integrity Test annually in order to validate the limited warranty.**

**\*\*BP tank pressure setpoint is recorded on page 2.**

# Replacing/Cleaning the Internal Prefilter and Cleaning the System

All service and maintenance is to be performed by a MAYTAG Services Qualified Service Technician.





Photo 3a. Carbon prefilter (Model MWF4100AWS)

Photo 3b. Stainless steel prefilter (Models MWF4200AWS and MWF4300AWS)

*These instructions describe the procedure for installing, replacing or cleaning the MAYTAG Whole Home Water Filtration System internal prefilter and cleaning of the System. Model MWF4100AWS is equipped with the Carbon Prefilter (Photo 3a) and Models MWF4200AWS and MWF4300AWS are equipped with the Stainless Steel Prefilter (Photo 3b).*

**Important: The System must not be operated without either an internal Stainless Steel Prefilter or Carbon Prefilter in place.**

Special tools are required to perform service. These instructions are provided for information purposes only. Please call your MAYTAG Customer Care at 1-800-688-2002 to arrange all service and maintenance work.

<b>⚠ WARNING</b>	
	
<p><b>Explosion hazard.</b> Do not attempt to remove cap while the system is under pressure. Shut water off and initiate manual drain procedure to relieve system pressure before removing cap.</p>	
<p>To avoid possible serious illness or death from contaminated water:</p> <ol style="list-style-type: none"> <li>1. If system is equipped with bypass valve - do not open bypass valve except in emergencies. Opening the bypass valve may permit microbially contaminated water to enter the household water distribution system. When the bypass valve is open, water may become contaminated with dangerous microbes. Do not drink the water when the unit is operating in bypass mode.</li> <li>2. Wash hands after changing the prefilter or working on the system.</li> <li>3. All service and maintenance is to be performed by a Maytag Services Qualified Service Technician.</li> <li>4. The area near the system should be kept clear. Articles should be stored at a safe distance</li> </ol> <p>Read and follow the Owner's Manual for inspection, maintenance, and emergency bypass instructions. Read the instructions provided with the filter when changing prefilters.</p>	

## **WARNING**

To reduce the risk of severe injury, illness, death, and/or property damage, read and follow all instructions. Use only Maytag Whole Home Water Filtration System authorized parts where required to repair and service the Maytag Whole Home Water Filtration System.

All service and maintenance is to be performed by a MAYTAG Services Qualified Service Technician.

Save enough water for cleaning the Stainless Steel Prefilter prior to beginning this procedure. Your entire house will be without water during this time. Wear clean waterproof gloves while completing this procedure.

### **Shut off water**

1. Locate the inlet and outlet ball valves. Refer to Photo 1 (page 6). These should be labeled.
2. Close the inlet and outlet ball valves by turning them clockwise. Lever handles indicate 'off' position when turned perpendicular to the water pipe as shown in Photo 2b (page 6).



Clockwise

3. If equipped with a bypass valve, keep the bypass valve closed during this operation. Failure to properly shut off the water may lead to serious injury and/ or flooding and/or property damage.

### **Drain the System for 1 minute**

4. *Base controller (Models MWF4100AWS and MWF4200AWS) and Advanced controller (Model MWF4300AWS):* Press the **Next** button once until the '**Manual**' indicator flashes. Press and hold the **Manual Flush** button for 10 seconds. This will open the drain valve and hold the drain valve open for 5 minutes. You may hear water flowing down the drain as the valve opens. You may toggle the valve closed at any time during the flush by pressing the **Manual Flush** button once. Press the **Manual Flush** button once after 1 minute to close the valve and avoid draining the System for this step.





**Remove the cap and internal prefilter from the System**

5. After allowing the System to drain for 1 minute, remove the System cap using the cap wrench (not supplied, available from MAYTAG). To remove, turn counter-clockwise as indicated on the top of the cap.



Photo 4.  
Cap Removal

6. Pull the internal prefilter straight up and out of the internal prefilter housing. The prefilter may be a Carbon Prefilter or a Stainless Steel Prefilter depending on your model. Place the prefilter in a clean pail or sink to allow draining. If you have a Carbon Prefilter, dispose in a plastic bag. If you have a Stainless Steel Prefilter, set it aside until step 9.
7. Wipe out inside of cap and filter chamber with a clean cloth.
8. Inspect System o-ring (located above the System threads for the System Cap) for any wear or damage. Very small nicks in the o-ring can result in leaks. If necessary replace o-ring and use a very small amount of NSF approved lube (available from your MAYTAG Qualified Dealer) to regrease the o-ring.

**⚠ WARNING**

During this procedure, DO NOT open the Bypass Valves, as this will allow potentially contaminated water into the household distribution system. Contaminated water may lead to personal injury and/or death.

**Cleaning the Stainless Steel Prefilter**

9. If you have a Stainless Steel Prefilter, the outer surface of the Stainless Steel Prefilter can be cleaned to remove accumulated grit or debris. Use a brush to loosen solid material and rinse with clean water. It may be necessary to use water from a point in the system upstream of the System's shutoff valve or an alternate water source for rinsing.

**Cleaning System using:**

- Chlorine bleach (surface and municipal water)
- MAYTAG MC1 Cleaning Solution (ground water)

*This procedure is to be conducted after the internal prefilter has been removed from the System. Do not permit the Carbon Prefilter to come into contact with chlorine bleach or any other form of chlorine. During this procedure the water level in the System should be half way up the internal prefilter cavity. If necessary, add water by slightly opening the inlet ball valve while observing the water level.*


*Always wear safety glasses and protective clothing when handling cleaning chemicals.*

10. Add 500mL of household **chlorine bleach** to System (5.25% as Cl<sub>2</sub>) OR 250 mL of 12% chlorine pool bleach OR add the MAYTAG MC1 Cleaning Solution following instructions in the package.

Model	Cleaning Chemical Used
MWF4100AWS and MWF4300AWS, any non-well water	Chlorine Bleach (5.25% as Cl <sub>2</sub> ) Chlorine Pool Bleach (12% as Cl <sub>2</sub> )
MWF4200AWS, well water only	MAYTAG MC1 Cleaning Solution

** DANGER**

**Never intentionally or unintentionally mix chlorine bleach and MC-1 cleaner as poisonous and corrosive chlorine gas may be formed.**

** WARNING**

Chlorine bleach must be less than 3 months old. The active percentage reduces with time.

After the System has soaked it must be flushed as the sanitizing solution in the water supply may irritate the skin or cause illness if ingested.

Do not use hot water during maintenance of the System. It is possible that if a hot water tap is used, high levels of chlorine or MAYTAG MC1 Cleaning Solution will enter the hot water tank and cause personal injury, illness and/or death.

**Soak 60 min.**

11. Allow System to soak 60 minutes. Drain System for 5 minutes using the controller as described in step 4. At the end of 5 minutes the System Controller Manual indicator will turn off or the System Controller flashing light will go out.

**Re-install Internal Prefilter.**

12. Re-install Stainless Steel Prefilter or install a new Carbon Prefilter and replace System Cap. When installing a new replacement or a clean, used internal prefilter, the spigot end of the prefilter (refer to Photo 3a and 3b on page 15), is carefully fitted into the inlet on the bottom of the prefilter cavity.

13. Replace System Cap. Use Cap Wrench to tighten.

## **⚠ WARNING**

Ensure that the cap is properly tightened and that the o-ring is clean and intact otherwise leaks may occur. Leaks may result in personal injury or property damage.

**Fill and Flush for 30 min.**

14. Partially open inlet ball valve slowly and watch for leaks. Water will begin to enter and pressurize the System. The air vent mounted on the cap is designed to allow air to enter and exit the System. The small black cap on the air vent should be loose at all times to permit the free flow of air. Once the System is full of water you will no longer hear air escaping from the air vent. Fully open the inlet ball valve.
15. Flush to drain using the controller for 5 minutes as described in Step 4. Open outlet ball valve. Turn on a high demand faucet in your house (ie. a bathtub tap) and flush the System to a drain for 30 minutes.
16. Wash hands thoroughly after maintenance work.

## **Replacing the External Sediment Prefilter Cartridge**

All service and maintenance is to be performed by a MAYTAG Services Qualified Service Technician. Some tools/parts are available from MAYTAG. Wear clean waterproof gloves during this procedure.



When the water is being drawn from a lake or other surface water source, the MAYTAG Whole Home Water Filtration System is equipped with an External Sediment Filter. Not all Systems include this device.

Only a MAYTAG Services Qualified Service Technician may service the External Prefilter. For service, call the phone number at the front of this manual (page 2).

Failure to clean or replace the External Sediment Prefilter Cartridge may result in reduced household water pressure.

Photo 5. External Sediment Prefilter

## WARNING

To reduce the risk of severe injury, illness, death, and/or property damage, read and follow all instructions. Use only MAYTAG Whole Home Water Filtration System authorized parts where required to repair and service the MAYTAG Whole Home Water Filtration System.

*Save enough water for cleaning the External Prefilter Housing prior to beginning this procedure.*

### Shut off water

1. Close inlet ball valve (refer to Inlet valve as indicated in Photo 1 on page 6) and/or switch 'off' pump upstream of the filter. (The house will be without water during this operation.)
2. Close outlet ball valve on MAYTAG Whole Home Water Filtration System. (See Outlet Valve as indicated in Photo 1.)
3. Relieve pressure by activating the manual flush function on the controller of the MAYTAG Whole Home Water Filtration System for 1 minute.

### Relieve pressure in System for 1 minute

*Note: This step must be followed to avoid personal injury and damage to the System.*

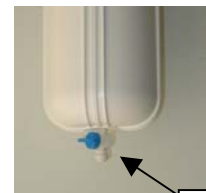
**Base controller** (Models MWF4100AWS and MWF4200AWS) and **Advanced controller** (Model MWF4300AWS)

Press the **Next** button once until the 'Manual' indicator flashes. Press and hold the **Manual Flush** button for 10 seconds. This will open the drain valve and hold the drain valve open for 5 minutes. You may hear water flowing down the drain as the valve opens. You may toggle the valve closed at any time during the flush by pressing the **Manual Flush** button once. Press the **Manual Flush** button after 1 minute to close the valve and avoid draining the System for this step.



### Drain filter

4. Drain External Sediment Filter housing by opening stopcock on the bottom. Water may be drained directly into a container or through a 1/4" plastic hose attached to the stopcock. Press and hold the red button on the top of the housing to allow air to enter the housing and drain more quickly.



Stopcock

## Disassemble External Prefilter Housing

- Using the optional External Prefilter Housing Wrench (available from MAYTAG), turn the housing to the left (counter clockwise) to disassemble (Photo 6).



Photo 6. Disassembling the External Prefilter Housing

- Remove the External Prefilter Cartridge from the External Prefilter Housing.
- The surface of the External Prefilter Housing may be cleaned with a brush and rinsed with water to remove grit and debris. Discard used External Prefilter Cartridge.
- Inspect O-Ring and the External Prefilter Housing for damage or wear, as shown in Photo 7. Replace if required.



Photo 7. Inspecting o-ring.

## Install new cartridge and restart System


- Insert the new External Prefilter Cartridge into the External Prefilter Housing. Ensure that the spigot on the bottom of the housing lines up with the hollow core of the External Prefilter Cartridge. Be careful not to damage the External Prefilter Housing when reinstalling External Prefilter Cartridge.
- Tighten using the optional External Prefilter Housing Wrench.

11. Restart pump or slowly open the inlet ball valve. Water will begin to enter and repressurize the System.
12. Press and hold the red button on the External Prefilter head to allow air to exit the External Prefilter Housing during filling.

*Note: Step 12 is important for the External Prefilter to function properly.*

13. If the System is equipped with bypass, ensure that the bypass valve is closed.
14. Flush the MAYTAG Whole Home Water Filtration System for 1 minute using the controller (refer to step 3) to purge air from the System. Open the MAYTAG Whole Home Water Filtration System outlet ball valve to return to service.

## Setting the Controller


WARNING

To reduce the risk of severe injury, illness, death, and/or property damage, read and follow all instructions. Use only Maytag Whole Home Water Filtration System authorized parts where required to repair and service the Maytag Whole Home Water Filtration System.

*The Controller is a timing device that automatically opens the automatic drain valve to provide daily flushing and prevent accumulation of solid material that would result in premature System fouling.*

*The MAYTAG Whole Home Water Filtration System is equipped with either a Base Controller (Models MWF4100AWS and MFW4200AWS) or Advanced Controller (Model MWF4300AWS). The Advanced controller includes the added feature of automated inlet (solenoid) valve control. This feature provides the most thorough flushing by completely draining the system.*

See Table 5 or 6 Controller Program Selection for a description of the various program choices available with each Controller.

**Base Controller  
(Models MWF4100AWS and MWF4200AWS)**



<b>Base Controller setup procedure- Models MWF4100AWS and MWF4200AWS</b>	
<p><b>Base controller</b></p> <ul style="list-style-type: none"> <li>• Use with low turbidity waters, &lt;0.5NTU, usually pretreated municipal water.</li> <li>• Has one output terminal and controls only the drain valve</li> </ul>	<ol style="list-style-type: none"> <li>1. <b>Modes:</b> Use 'next' button to toggle through modes.</li> <li>2. <b>Manual flush:</b> Press 'next' until 'manual' is flashing. Press 'manual flush' and hold. If held for longer than 10 seconds, drain valve remains open. Toggle drain valve closed by pressing 'manual flush' once.</li> <li>3. <b>Setting time of day:</b> Press 'next' until 'set time' appears. Press 'enter'. Use up/down arrows to set time of day. Press 'enter' to set.</li> <li>4. <b>Set time of flush:</b> Press 'next' until 'start time' appears. Press 'enter'. Use up/down arrows to set time of flush. Press 'enter' to set.</li> <li>5. <b>Setting program choice:</b> Press 'next' until 'program' appears. Press 'enter'. Use up/down arrows to select program choice. Press 'enter' to set.</li> </ol> <p>(See Table 5 for programming choices.)</p>

Table 3-Base Controller Setup Procedure

**Advanced Controller  
(Model MWF4300AWS)**



<b>Advanced Controller setup procedure</b>	
<p><b>Advanced Controller</b></p> <ul style="list-style-type: none"> <li>• Use with waters having turbidity up to 5.0NTU,</li> <li>• Has two output terminals and controls the automated drain and inlet valve.</li> </ul>	<ol style="list-style-type: none"> <li>1. <b>Modes:</b> Use 'next' button to toggle through modes.</li> <li>2. <b>Manual flush:</b> Press 'next' until 'manual' is flashing. Press 'manual flush' and hold. If held for longer than 10 seconds, drain valve remains open. Toggle drain valve closed by pressing 'manual flush' once.</li> <li>3. <b>Setting time of day:</b> Press 'next' until 'set time' appears. Press 'enter'. Use up/down arrows to set time of day. Press 'enter' to set.</li> <li>4. <b>Set time of flush:</b> Press 'next' until 'start time' appears. Press 'enter'. Use up/down arrows to set time of flush. Press 'enter' to set.</li> <li>5. <b>Setting program choice:</b> Press 'next' until 'program' appears. Press 'enter'. Use up/down arrows to select program choice. Press 'enter' to set. (See Table 6 for programming choices.)</li> </ol>

Table 4-Advanced Controller Setup Procedure

## Choosing a Controller Program

<b>Base Controller</b>						
Controller-Program	Recommended household occupancy (persons)	Source water turbidity (NTU)	Daily household water consumption	No. Flushes per cycle	No. System drains per cycle	Flush water used per day (flow at 7USGAL/min)
Program 1	Up to 4	<0.5	300USgal/d (1135L/d)	2	--	14USgal/d (53L/d)
Program 2	Up to 4	<0.5Peaks to 1.0NTU, <5% of time	300USgal/d (1135L/d)	3	--	21USgal/d (80L/d)
Program 3	Up to 6	<0.5 Peaks to 1.0NTU, <5% of time	400USgal/d (1510L/d)	4	--	28USgal/d (106L/d)

Table 5-MWF4100AWS and MWF4200AWS Controller Program Selection

Advanced Controller						
Program	Recommended household occupancy (persons)	(Raw) Source water turbidity (NTU)	Daily household water consumption	No. Flushes per cycle	No. System drains per cycle	Flush water used per day (flow at 7USGAL/min)
Program 1	Up to 4	<0.5	300Usgal/d (1135L/d)	2	--	14Usgal/d (53L/d)
Program 2	Up to 6	<0.5 Peaks to 1.0NTU, <5% of time	400Usgal/d (1510L/d)	4	--	28Usgal/d (106L/d)
Program 3	Up to 4	<1.0 Peaks to 5.0NTU, <5% of time	300Usgal/d (1135L/d)	2	1	13Usgal/d (49L/d)
Program 4	Up to 6	<5.0 Peaks to 10.0NTU, <5% of time	400Usgal/d (1510L/d)	2	2	18Usgal/d (68L/d)

Table 6-MWF4300AWS Controller Program Selection

## Winterization Procedure

All service and maintenance is to be performed by a MAYTAG Services Qualified Service Technician.

Some of the necessary tools required are available for purchase from MAYTAG. If the Stainless Steel Prefilter requires cleaning, you may want to collect enough water in a suitable container from a tap for cleaning the Stainless Steel Prefilter prior to beginning this procedure. All water in the house will be shut off for the duration of this procedure. Be sure to wear clean waterproof gloves during this procedure and to read through the procedure first before beginning.



## **WARNING**

Never ever use any AUTOMOTIVE type antifreezes when winterizing drinking systems. This may result in serious injury or death.

The use of cheaper 'non-propylene glycol based' plumbing or RV antifreezes may damage the System's internal components **voiding all warranties**. Antifreeze used must be plumbing antifreeze, rated for  $-50^{\circ}\text{C}$  ( $-58^{\circ}\text{F}$ ), consisting primarily of propylene glycol and must not contain any ethanol or alcohols.

Propylene glycol will provide protection of the System against freezing down to  $-40^{\circ}\text{C}$  ( $-40^{\circ}\text{F}$ ) as long as the proportion of preservative to water is correct. The amount and concentration of the preservative solution has been selected to take into account water that is not easily drained from the System. This procedure only protects the MAYTAG Whole Home Water Filtration System from freezing and does not protect the rest of the house.

Do not use hot water during commissioning or maintenance of the System. It is possible that if a hot water tap is used, high levels of factory preservative, chlorine or MAYTAG MC1 Cleaning Solution will enter the hot water tank and cause personal injury, illness and/or death. It is recommended to close the hot water inlet valve during commissioning or maintenance of the System and to reopen the hot water inlet valve at the end of the procedure.

When filling System, fill slowly and watch for leaks to avoid excessive water dripping onto floor.

During this procedure DO NOT open the Bypass Valves as this will allow potentially contaminated water into the household distribution system. Contaminated water may lead to personal injury and/or death.

Chlorine bleach must be less than 3 months old. The active percentage reduces with time.

This procedure does not disinfect all of the household lines. It is strongly recommended that all of the lines are sanitized as water left in pipes may be microbially unsafe.

When treating surface water sources a maximum prefilter mesh size of 30 micron is required. Failure to provide this level of prefiltration may lead to System damage. A damaged System will not perform effectively, endangering the homeowner or occupant through possible serious personal injury and/or even death.

Do NOT allow the preservative (plumbing antifreeze) to drain onto the ground, into a septic bed, storm sewer or any body of water. Check the plumbing antifreeze manufacturers directions and warnings for more information.

Figure 2 Drain line components for all models.

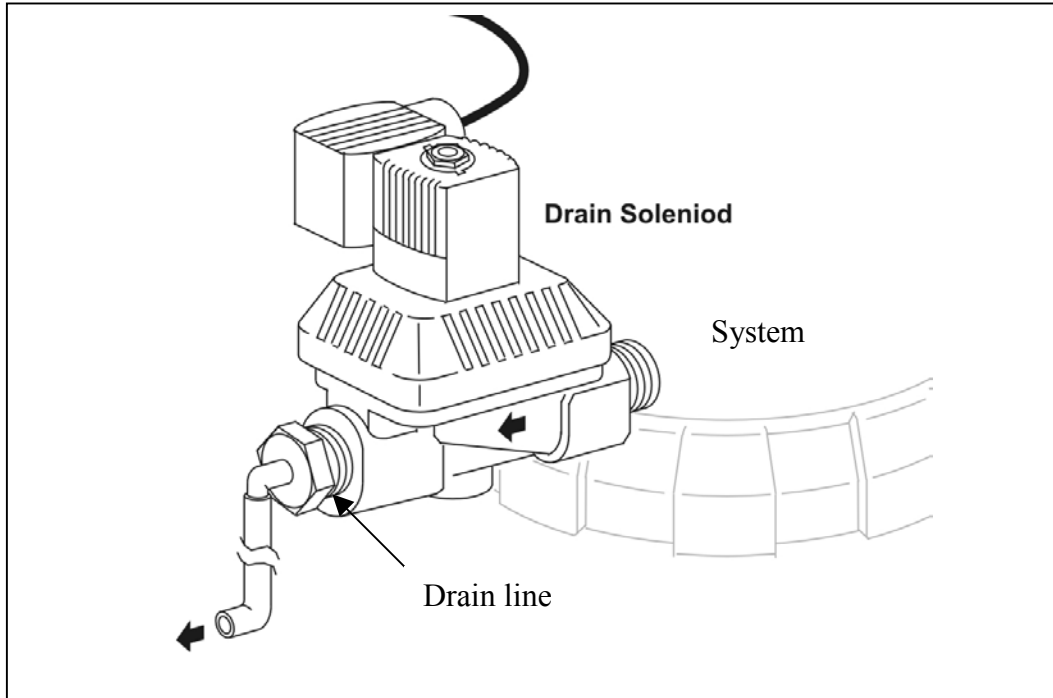


Figure 3 Inlet and outlet line components for MWF4100AWS and MWF4200AWS.

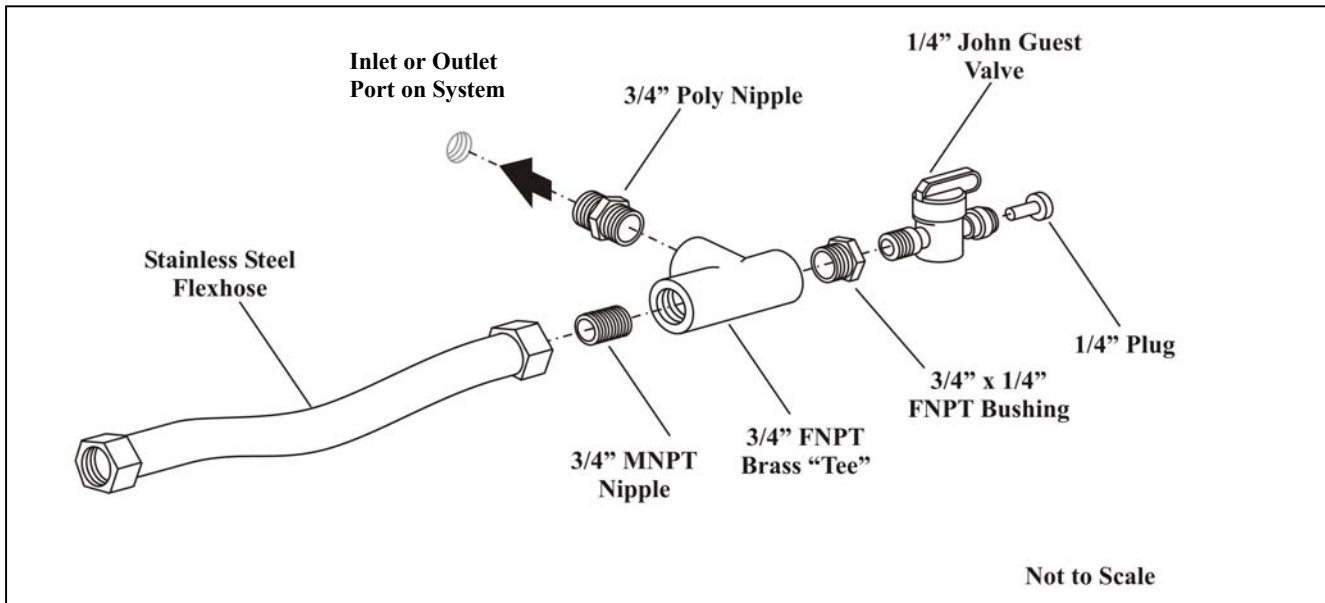


Figure 4 Inlet line components for MWF4300AWS.

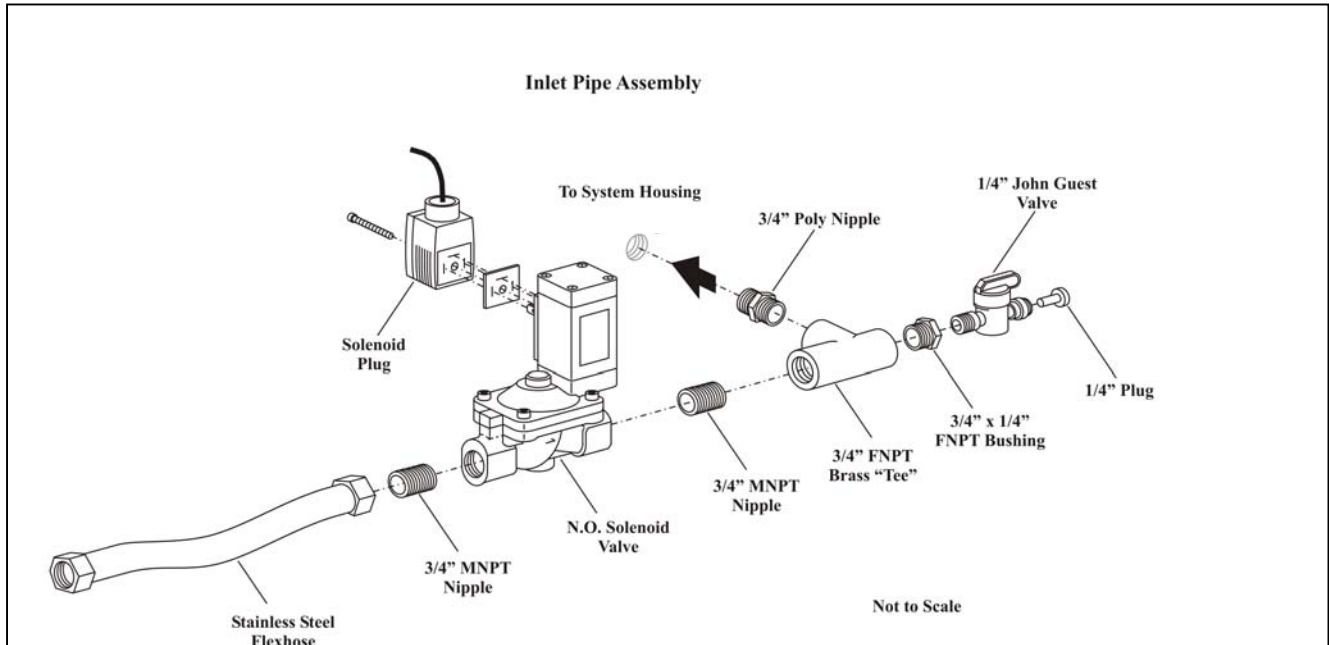
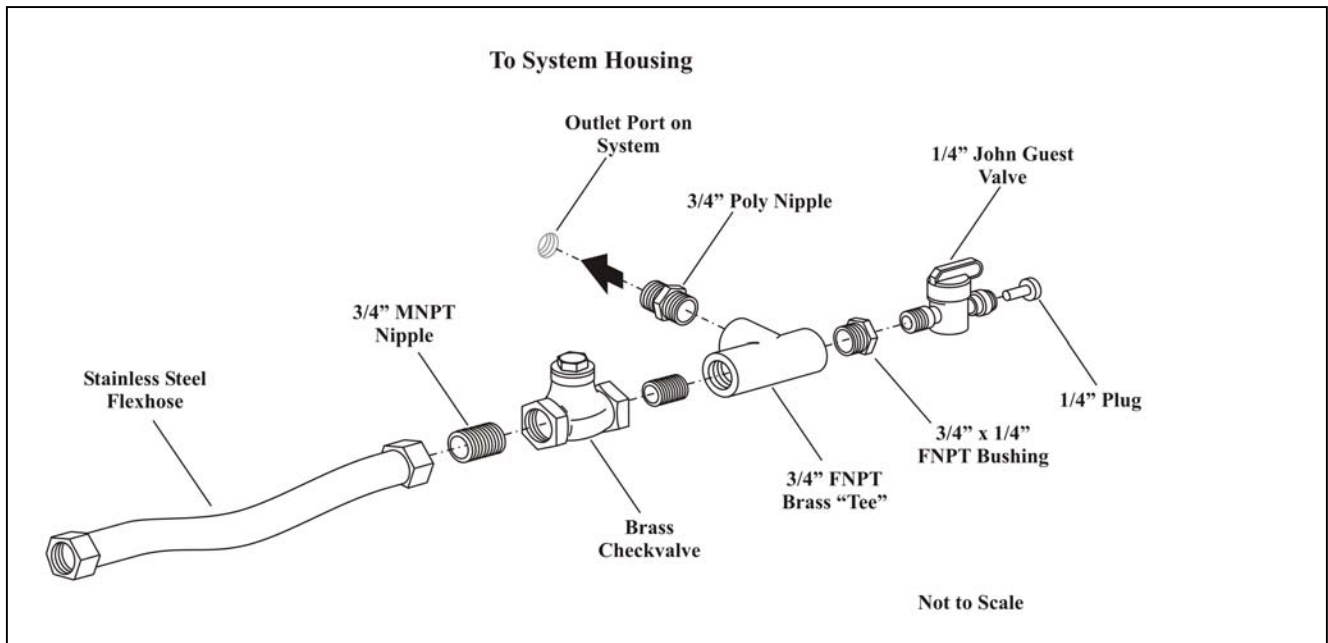


Figure 5 Outlet line components for MWF4300AWS.



**Before  
Winter  
Freeze-up:**

1. Close the inlet ball valve. If a bypass valve is installed, the bypass valve must remain closed.
2. Completely drain the System and household piping. To drain the System use the controller and refer to procedure "Internal Prefilter"

Replacement/Cleaning and System Cleaning Procedure” use the System controller and flush to drain for 5 minutes. To begin draining the household pipes, turn on a nearby cold water tap and leave it on until the tap only drips. Turn off the tap.

3. Remove the drain line from the drain valve and insert a  $\frac{3}{4}$ ” MNPT Hex PVC plug (available at most hardware stores) to prevent preservative from leaking. Remove hose clamp on drain line and remove elbow. (Refer to Figure 1 for location of drain line on your System and Figure 2 for drain line parts.)



Photo 8.  $\frac{3}{4}$ ” Plug in Automated Drain Valve

4. Drain the pipes by disconnecting the outlet line on the side of the stainless steel flex hose furthest from the System. (Refer to Figure 1 for location of outlet line on your System and Figure 3 or 4 depending on your model for the outlet pipe assembly parts.) Drain into bucket for at least 10 minutes.
5. Close the outlet ball valve. (Refer to Photo 1 for location.) Plug the disconnected outlet line on the System side with a  $\frac{3}{4}$ ” MNPT Hex PVC plug at the end of the Stainless Steel flexhose.



Photo 9.  $\frac{3}{4}$ ” Plug in Stainless Steel Flex Hose in Outlet Line

6. If using an External Prefilter, drain the External Prefilter Housing (refer to “Replacing the External Sediment Prefilter Cartridge” section), remove the External Prefilter Cartridge and discard the External Prefilter Cartridge. Replace the External Prefilter Housing without an External Prefilter Cartridge and close the stopcock on the bottom of the External Prefilter Housing.
7. Remove System Cap using the Cap Wrench.
8. Remove Stainless Steel Prefilter (Models MWF4200AWS and MWF4300AWS) or Carbon Prefilter (Model MWF4100AWS). If using a Carbon Prefilter, discard the Carbon Prefilter. If using a Stainless Steel

Prefilter, clean and set aside the Stainless Steel Prefilter.

9. Fill the System with approximately 16 litres (4 US gallons) of  $-50^{\circ}\text{C}$  ( $-58^{\circ}\text{F}$ ) propylene glycol based plumbing antifreeze to 2" below the top of the prefilter cavity.
10. Unplug the outlet line on the System side to "open the outlet" by removing the  $\frac{3}{4}$ " PVC plug. Remove approximately 4 litres (1 US gallon) from the System into an empty propylene glycol based container. The fluid in the System must be 2" above the bottom of the prefilter cavity. Close the outlet line by replugging the outlet line with the  $\frac{3}{4}$ " PVC plug. Discard the collected fluid in accordance with the manufacturers directions and save the container.
11. Save all empty antifreeze containers for the spring.
12. If using a Stainless Steel Prefilter, replace the Stainless Steel Prefilter.
13. Replace the System Cap using the Cap Wrench.
14. Check the drain plug and the outlet plug are closed snug. Make sure there are no leaks. The System is ready for the winter.

*Note: The preservative will provide protection against freezing down to  $-40^{\circ}\text{C}$  as long as the proportion of propylene glycol to water is correct. The amount and concentration of the propylene glycol solution has been selected to take into account water that is not easily drained from the System. This procedure does not protect the rest of the house from freezing, it only provides necessary precautions for the MAYTAG Whole Home Water Filtration System.*

## **WARNING**

Never mix MAYTAG MC1 Cleaning Solution with chlorine bleach.

### **Spring startup and cleansing**

1. Drain the propylene glycol solution from the System by removing the outlet line plug. Drain into the saved antifreeze containers.
2. Dispose of the propylene glycol solution in accordance with the manufacturers directions.
3. Remove the drain plug from the drain valve.
4. Reconnect the drain and outlet lines. (Refer to Figures 2, 3 and 4 if necessary.) Ensure the connections and the hose clamp on the drain hose are snug. Ensure there are no kinks in the drain line.
5. Open the inlet ball valve and fill the System. Air will escape through the air vent on the System cap.

6. Open the outlet ball valve. Open the closest cold water high demand tap (ie. bathtub faucet) for 30 minutes.
7. Open all cold taps one at a time for 1 minute. Flush all toilets once.
8. Close the inlet ball valve. Partially drain System using the flush function for 1 minute to depressurize the System, refer to “Replacing/Cleaning the Internal Prefilter and Cleaning the System” use the System controller in step 4.
9. Remove System Cap using the Cap Wrench.
10. If using a Stainless Steel Prefilter, remove and set aside the Stainless Steel Prefilter in a clean pail or sink.
11. Be sure the water level in the System is approximately ½ way up the prefilter cavity. Add more water using the inlet ball valve if necessary. Add 500 mL of unscented household chlorine bleach (approximately 5.25% chlorine), maximum 3 months old, to the System.

***Note: Do not allow chlorine to come into contact with the Carbon Prefilter.***

12. Allow the System to soak for 15 minutes. Drain the System using the controller as in step 8 above.

*Note: If the winterization spring start up is combined with the annual maintenance sanitizing/cleaning procedure, the System must soak for 60 minutes. If the System is on well water, the chlorine must be substituted with MAYTAG MCI Cleaning Solution instead of chlorine bleach. Never mix chlorine bleach with the MAYTAG MCI Cleaning Solution.*

13. If using a Carbon Prefilter, install a new Carbon Prefilter. If using a Stainless Steel Prefilter, reinsert the Stainless Steel Prefilter.
14. Replace the System Cap using the Cap Wrench.
15. If using an External Prefilter, drain the External Prefilter Housing (refer to “Replacing the External Sediment Filter Cartridge” section) and insert a new External Prefilter Cartridge into the External Prefilter Housing. Close the External Prefilter stopcock.
16. Partially open the inlet ball valve slowly and watch for leaks. The air vent will make a hissing noise as air escapes. If no noise is heard, open the small black cap on top of the air vent. Once the System is full of water, open the inlet ball valve fully.

17. Flush to drain for 5 minutes using the controller (refer to step 8 above).  
Open the outlet ball valve. Open a nearby cold water high demand tap for 30 minutes.

*Note: The water may taste slightly different for the first few days but will not be harmful if procedures are followed. It is recommended that first thing in the morning for the first two days after this procedure is complete, leave a cold water tap on full for 30 minutes.*

## Annual Maintenance Checklist

√	Required annually
	Integrity test
	Chlorine (or MAYTAG MC1) cleaning
	Test and record inlet minus outlet pressure and flow rate during test (TMP test)
	Test backpulse tank air pressure
	Change internal Activated Carbon filter (MWF4100AWS) or clean internal Stainless Steel filter (MWF4200AWS, MWF4300AWS)
	Change External sediment prefilter cartridge (MWF4300AWS)
	Record water meter reading
	Replace/ check controller batteries
	Check timer clock setting, flush time setting, program choice

All service and maintenance is to be recorded on the Service Tag on the **MAYTAG** Whole Home Water Filtration System. This tag will be filled out by the **MAYTAG** Services Qualified Service Technician to maintain the limited warranty.

## Cleaning the Stainless Steel Casing

The stainless steel surface of your MAYTAG Whole Home Water Filtration System requires no special maintenance. If required the surface may be cleaned using a mild soap solution. Do not use any other cleaners or abrasive materials on the stainless steel surface as these cleaners may damage the label. Wipe the System dry with a soft cloth afterward.

## Frequently Asked Questions

### What does the System do?

The System has been specifically designed to physically block and remove bacteria, viruses and parasites including cryptosporidium and giardia (beaver fever) and to eliminate cloudiness from your drinking water.

The Carbon Prefilter removes chlorine to improve taste and odours in municipal water.

The System effectively filters all municipal, well and lake water.

### Where is the System installed?

The System is installed at the point where water enters the house to provide filtered water from every tap. Water is available on demand with no wasted water during filtration.



## Does the System require electricity?

Filtration is accomplished with existing water pressure and no electricity is required to filter your water. Unless required for pump operation, the System will continue to filter water during a power failure. Electrical power is required to operate the automated drain and inlet (solenoid) valves that initiate automatic flushing of the System. If electrical power is not available the System will not conduct automatic flushing. Controller settings are saved by battery backup power.

## Does the System affect the water pressure?

There is minimal effect on your existing water pressure. Under most circumstances, no change in water pressure will be noticed after the installation of a new System. There is no need for an additional water pump if the existing water pressure meets the minimum System requirements. Under normal operation in cloudy water the System may foul more quickly than in cleaner water, may require more frequent cleanings and may require alternate controller settings.

## What can be done to increase my water pressure?

Table 5 outlines four reasons why your pressure may be lower than normal. Check as many as possible before calling **MAYTAG** Customer Care.

**Table 5 – Possible causes of low water pressure**

<b>Problem</b>	<b>Solution</b>
1. The city / pump pressure is low or your line is scaled.	Call the city or check your pump.
2. The External Prefilter Cartridge (if installed) is fouled.	Call <b>MAYTAG</b> Customer Care to clean or change the External Prefilter Cartridge.
3. The Internal Prefilter (Carbon or Stainless Steel) is fouled.	Call <b>MAYTAG</b> Customer Care to clean or change the Carbon or Stainless Steel Prefilter.
4. The <b>MAYTAG</b> Whole Home Water Filtration System is fouled.	Initiate Manual Flush Function. If this does not resolve the low-pressure situation, call <b>MAYTAG</b> Customer Care for cleaning or possible System replacement.

## How often does the MAYTAG Whole Home Water Filtration System need to be replaced?

The System is designed to last the life of the membrane, with regular maintenance.

## How long does the System last?

The System will generally last over 10 years if used on municipal water and will last from 5 to 10 years on surface/lake waters depending on the level of contamination in the incoming water.

## What do I need to do if I go away for an extended period of time?

If you wish to shut off the water supply to your house while you are away you may simply close the outlet ball valve on the **MAYTAG** Whole Home Water Filtration System. The **MAYTAG** Whole Home Water Filtration System will continue to flush daily but water will be unavailable in the house. If you plan to turn off the inlet ball valve (not recommended), you **must** unplug the controller. When you return open the outlet ball valve (and ensure inlet ball valve is open and

controller is plugged in) and household pressure will be restored. It is recommended that you also turn each tap on for 10 minutes to flush out stagnant water before use.

### How do I bypass the MAYTAG Whole Home Water Filtration System?

## **WARNING**

**Bypassing the MAYTAG Whole Home Water Filtration System is not recommended unless there is an Emergency and your MAYTAG Whole Home Water Filtration System is not working properly. Contaminated water may enter your home, which can cause serious health problems, even death. See “Safety Instructions” section for Bypass Instructions and warnings.**

### What happens if the power goes out?

Nothing. The timer has a built in battery backup designed for power failure. The **MAYTAG** Whole Home Water Filtration System does not require power to filter water and your System will filter water provided adequate water pressure is available at the source. If the power goes out during a scheduled cleaning, the System will return to filtering water and wait for the next scheduled time for cleaning.

### How long does the automatic cleaning cycle take?

The System backflushes itself daily to clean the System filter. It automatically flushes impurities down the drain at the homeowner’s pre-selected time. The cleaning cycle takes approximately 5-10 minutes and uses a minimal amount of water.

### How much water is used for flushing?

Refer to Table 6 Operational Limits of the System in the “MAYTAG Whole Home Water Filtration Operational Specification” section.

### How do I set a new time for the daily backwash and cleaning?

Refer to the instructions with the Controller on the wall to reprogram using the instruction sheet or refer to “Setting the controller” section for instructions.

### Is there a replaceable prefilter needed?

If used, the Carbon Prefilter needs to be replaced every 12 months. Also, if the External Prefilter is used it will need to be replaced approximately every 6 months depending on water conditions.

### What are the maintenance requirements?

An annual maintenance inspection, integrity test and Carbon Prefilter change is performed annually by a **MAYTAG Services Qualified Service Technician**. There is a nominal fee for the annual service. If an External Prefilter is used, this will also need to be checked approximately every 6 months.

## **How long does the Carbon Prefilter last?**

The Activated Carbon Prefilters are designed to filter over 100,000 US gallons (378,000 L). The average homeowner will find it necessary to change the activated carbon filter every 9-12 months. The quality of water, amount of chlorine, other contaminants in the water (chlorine), and the amount of water used determines the actual life of an activated carbon filter. Activated carbon filters have been designed for maximum life to eliminate the inconvenience of changing them.

## **Can I water my lawn with the MAYTAG Whole Home Water Filtration System's filtered water?**

You can use filtered water outside if you wish. You may choose to have a bypass installed if you use large amounts of water through your outside tap that does not need to be filtered. Call **MAYTAG** Customer Care or **MAYTAG** Technical Assistance for more details.

## **Can it be shut down in winter?**

If the cottage or home is not winterized, refer to the Winterization Procedure on page 25 to drain, shutdown and fill the System with propylene glycol for the winter. In the spring the propylene glycol would be drained from the System and then sanitized for use during cottage or home opening.

## **What happens if there is a boil water alert in my area?**

If you receive notice that there is a boil water alert in your area, there are extra precautions that you must take with your water supply. A boil water alert is a serious announcement made in the interest of protecting your health from water that may be contaminated.

We would recommend you take extra precautions. Follow these steps during a boil water alert:

- Use household chlorine bleach to disinfect the aerators on each faucet in your home each day.
- Wash your hands frequently.
- Test your water for bacteria at the beginning of a boil water alert, and once a month thereafter to ensure your water supply has not become contaminated. Call your local government officials for local directions on water quality, testing, frequency of testing, and guidelines.
- If the bacteria test indicates that bacteria exists in your home, call **MAYTAG** Customer Care for assistance. If your water tests come back with results that show no bacteria in your water, continue to use your water supply. Continue checking the water for bacteria at least once a month.

## **If my System came with a Stainless Steel Prefilter can I buy a Carbon Prefilter?**

Depending on the System application, an optional Carbon Prefilter may be purchased to replace the Stainless Steel Prefilter. Call **MAYTAG** Customer Care for support.

## **My water is from the lake and it has a funny smell, can something be done?**

Smells like fish or algae that come from lake water are not harmful. Using a Carbon Prefilter instead of the Stainless Steel Prefilter may minimize these smells. However, if a Carbon Prefilter is used it will need to be replaced more frequently than once a year.

**My lake water is quite dirty and the External Prefilter Cartridge requires replacement quite often. Can I increase the time between replacements of the External Prefilter Cartridge?**

Yes. In some cases two External Prefilters have been installed. With two External Prefilters, the time to replace the External Prefilter Cartridge is extended by more than twice the original time.

## Troubleshooting

The following section will help diagnose some of the problems that might occur with the **MAYTAG Whole Home Water Filtration System**. This guide is provided for information purposes only. Call your **MAYTAG** Customer Care for assistance if there are any concerns with the **MAYTAG Whole Home Water Filtration System**.

Section of System	Problem/Situation	Correction/Action
General	A part is missing.	Most standard hardware parts are available at the local hardware store or call <b>MAYTAG</b> Customer Care for a <b>MAYTAG</b> Whole Home Water Filtration System replacement part.
	System leaks water.	Cap is not properly tightened. O-ring is not clean or intact. O-ring is not in place. Connections are not tight. Connections were too tight and part broke. Water is not adequately drained from System prior to removing cap. Teflon tape not used on thread.
Checking Backpulse Tank Pressure *(Must relieve water pressure from System before checking backpulse tank.)	Pressure is too high.	Release some of the pressure until the desired pressure is reached.
	The pressure is too low.	Add more pressure using a compressor or hand pump. Check the pressure again the next day. If the pressure drops call <b>MAYTAG</b> Customer Care.
Connecting Piping Assemblies	Threads are cross-threaded.	Replace the parts if possible. Add more Teflon tape and slowly thread the two parts together to attempt to fix the problem.
	A leak results.	Tighten connection. Loosen connection that is too tight. No Teflon tape was used, call <b>MAYTAG</b> Customer Care to reinstall part using Teflon tape.
Air Vent	Water spouts from top.	Air relief port is not capped. Air vent is faulty.
	No water is flowing through System.	Black air relief port cap must be loosened to 1 ½ turns (to open).
Removal of Cap	Can not remove cap.	System may be pressurized. Turn off inlet ball valve and drain System using controller. No cap wrench – call <b>MAYTAG</b> Customer Care.
External Prefilter	Does not drain fast enough.	Press and hold the red button on the top of the housing to allow air to enter the housing and drain more quickly.

<b>Section of System</b>	<b>Problem/Situation</b>	<b>Correction/Action</b>
	Water is leaking from the bottom.	Close the stopcock.
Base Controller  Advanced Controller	Drain does not function.	Repeatedly push “Next” until the MANUAL indicator flashes. Press and hold the “manual flush” button for 10 seconds. The “Manual” indicator will appear on the screen. This will open the drain valve for 5 minutes. To toggle the valve closed at any time press the “manual flush” button once. If the valve still does not open, it is possible the valve may need to be replaced. Call <b>MAYTAG</b> Customer Care.

# MAYTAG Whole Home Water Filtration System Operational Specifications

Table 6 indicates the operational limitations of the MAYTAG Whole Home Water Filtration System.

**Table 6 – Operational Limits of the System**

<b>Recommended Max Flow Rate Per/min (LPM/USgpm)</b>	
MWF4100AWS .....	17/4.5
MWF4200AWS MWF 4300AWS.....	34/9
<b>Pressure Drop at 34 LPM (kPa/psi)*</b>	
MWF4100AWS .....	17/2.5
MWF 4200AWS MWF4300AWS .....	41/6
Maximum working pressure (kPa/psi).....	690/100
Minimum working pressure (kPa/psi).....	241/35
Rated Capacity (L/USgal per day)** .....	1500/390
Minimum Temp (C/F).....	>0/32
Maximum Temp (C/F).....	<38/100
Approx flush volume (L/USgal).....	45/12
System Efficiency.....	97%
Controller Voltage.....	120V
Base Width (m/in.).....	0.45x0.45/18x18
Minimum height required (m/in.).....	1.88/74
*At time of installation	
** Depends on water quality and flow rate	

# **MAYTAG WHOLE HOME WATER FILTRATION SYSTEM Limited Warranty**

You have just purchased one of the leading whole home water treatment systems available. As an expression of our confidence in Maytag Whole Home Water Filtration System, your drinking water system is warranted to the original end user against defects in material and workmanship when:

- It has been installed in accordance with Maytag specifications by a Maytag Services Qualified Service Installer.
- Annual maintenance has been performed by a Maytag Services Qualified Service Technician. Proof of purchase (invoice) is required.

## **For a period of one year after installation:**

All parts and labour on the complete System excluding consumables (e.g. Prefilters, cleaning solutions, batteries etc.) and labour required for the operation and maintenance of the MAYTAG WHOLE HOME WATER FILTRATION SYSTEM as specified in the owners manual.

## **For a period of two years after installation:**

All parts used in the original installation of the MAYTAG WHOLE HOME WATER FILTRATION SYSTEM, are covered by warranty excluding consumables ( e.g. Prefilters, cleaning solutions, batteries, etc) required for the operation and maintenance of the MAYTAG WHOLE HOME WATER FILTRATION SYSTEM. Labour to install warranted parts and trip charges including mileage are the responsibility of the homeowner.

## **For a period of 5 years from the date of original installation:**

Maytag will replace the original MAYTAG WHOLE HOME WATER FILTRATION SYSTEM Membrane Module when a Maytag Services Qualified Service Technician finds a membrane integrity breach, as defined by an integrity check, within the warranty period. Maytag reserves the right to examine membrane modules deemed by the Maytag Services Qualified Service Technician to have a membrane integrity beach, and provide the final opinion on whether the membrane module is defective. If the part is found to be defective, Maytag will pro rate the cost of a membrane module as follows:

<b>MAYTAG WHOLE HOME WATER FILTRATION SYSTEM Warranty Schedule</b>	<b>Pro-rated cost to the homeowner as a % of Suggested List</b>
Up to 24 months	0%
25-36 months	40%
37-48 months	60%
49-60 months	80%

Labour to install warranted parts and trip charges including mileage are the responsibility of the homeowner.

This warranty does not apply:

to damage caused by accident, fire, flood, freezing, Acts of God, misuse, misapplication, neglect, alteration, installation or operation contrary to our printed instructions, or by the use of accessories or components which do not meet Maytag specifications.

to the cost of installation or defects caused by improper storage or handling prior to installing the equipment.

to any work done by anyone other than a Maytag Services Qualified Service Technician.

to work done under normal maintenance, calibration or regular adjustments as specified in operating and maintenance instructions of this manual and or labour involved in moving adjacent objects to gain access to the MAYTAG WHOLE HOME WATER FILTRATION SYSTEM .

to any System which has been damaged or defaced.



to Systems that have been subject to improper, abnormal or insufficient care or cleaning, or to modification, tampering, alteration, improper service, repair, assembly or disassembly by anyone other than a Maytag Services Qualified Service Technician.

to damage or defects resulting from exposure to excessive heat or cold (including extremely hot or cold water), or use on improper electrical current or voltage. The System is not for use with hot water

to Systems with which non - Maytag consumable items have been used

to Systems that have been operated without the specified prefilter

to Systems that have been operated without the necessary sediment prefilter on surface waters

to Systems that have been subjected to freezing temperatures which have not been properly winterized as specified in the owners manual

to Systems that have been left drained of water or without proper preservation fluids

to membrane fouling

if this filtration device is used for commercial and/or rental purposes. This water filtration device is designed for normal household use. Filter replacement due to fouling may vary with the quality and quantity of water.

This limited warranty is provided only to the original consumer purchaser or gift recipient of the MAYTAG WHOLE HOME WATER FILTRATION SYSTEM resident in Canada or the United States and may be enforced only by such person. Any repair or replacement to the System under this warranty shall not extend the warranty period. All parts and products removed from the System under this warranty become the property of Maytag. The owner is responsible for any repairs or replacements that are not covered by this warranty.

Maytag reserves the right to make changes in design or add any improvements on any product. The right is always reserved to modify equipment because of factors beyond our control and government regulations. Changes to update equipment do not constitute a warranty change. Charges involved as a result of these product changes do not include freight or foreign, excise municipal or other sales tax. All such freight and taxes are the responsibility of the consumer.

The foregoing expressed warranties are in substitution for and exclude all other warranties of any kind whether arising under statute, and tort, or by implication of law or otherwise including, to the full extent as may be allowed by law, liability for any other representations respecting the MAYTAG WHOLE HOME WATER FILTRATION SYSTEM, statutory warranties or implied warranties or conditions as to its merchantability or fitness. No agent, employer, representative of Maytag or Maytag Qualified Dealer, nor any other person is authorized to modify this warranty in any respect.

ALL IMPLIED WARRANTIES, INCLUDING, WITHOUT LIMITATION, WARRANTIES OF MERCHANTABILITY AND FITNESS FOR PARTICULAR PURPOSE, ARE LIMITED IN DURATION TO THE PERIOD SPECIFIED ABOVE FOR THE PARTS DESCRIBED IN THIS LIMITED WARRANTY. As a manufacturer, we do not know the characteristics of your water supply. The quality of water supplies may vary seasonally or over a period of time. Your water usage may vary as well. Water characteristics can also change if your drinking water system is moved to a new location. For these reasons, we assume no liability for the determination of the proper equipment necessary to meet your requirements, and we do not authorize others to assume such obligations for us. MAYTAG'S OBLIGATIONS UNDER THIS WARRANTY ARE LIMITED TO THE REPAIR OR REPLACEMENT OF THE FAILED PARTS OF THIS WHOLE HOME WATER FILTRATION SYSTEM, AND WE ASSUME NO LIABILITY WHATSOEVER FOR DIRECT, INCIDENTAL, CONSEQUENTIAL, SPECIAL, GENERAL OR OTHER DAMAGES.

The above provisions do not preclude the operation of any applicable provincial or state statute or regulation, which in certain circumstances may not allow some of the limitations or exclusions described in these warranty coverage's.

Should service be required during or after the warranty period, or should you have any questions regarding how to use your MAYTAG WHOLE HOME WATER FILTRATION SYSTEM, please call 1-800-688-2002 or visit your Maytag Qualified Dealer.

## **WARNING**

The **MAYTAG** Whole Home Water Filtration System must be;

- kept wet at all times after installation.
- winterized prior to temperatures falling below 0°C (32 F).
- tested annually using the integrity test.
- operated with a prefilter.

Failure to do so may cause System to dry and become damaged, which may lead to personal injury, and/or physical damage and **will void any warranty**.

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