

Multipure®



MULTIPURE™

Multipure Drinking Water Systems

Aquamini OWNER'S MANUAL

Please retain this manual for future reference.

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Multipure Drinking Water Systems

Thank you for selecting a Multipure Drinking Water System to meet your need for quality drinking water. You have acquired one of the finest drinking water treatment devices available for the reduction of a wide array of contaminants. We are confident that your Multipure System will make a difference in your life. Thank you for your business.

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About the Aquamini Drinking Water System

- The Multipure Aquamini Drinking Water System (Model# AQUAMINI) is designed for use on the countertop next to the sink. It connects to the existing faucet with a diverter valve that allows free selection between filtered and unfiltered water.
- The Aquamini includes all the accessories and fittings required for installation.
- If installation or operation assistance is required, please contact your Multipure Independent Distributor. If the Independent Distributor is unavailable, please contact Multipure Customer Service at 800.622.9206.

Before You Begin

Please read this manual before proceeding with the installation and use of your system. Installation, operation, and maintenance requirements are essential to the performance of your system – failure to follow any instructions or operating parameters contained herein may lead to product damage or product failure.

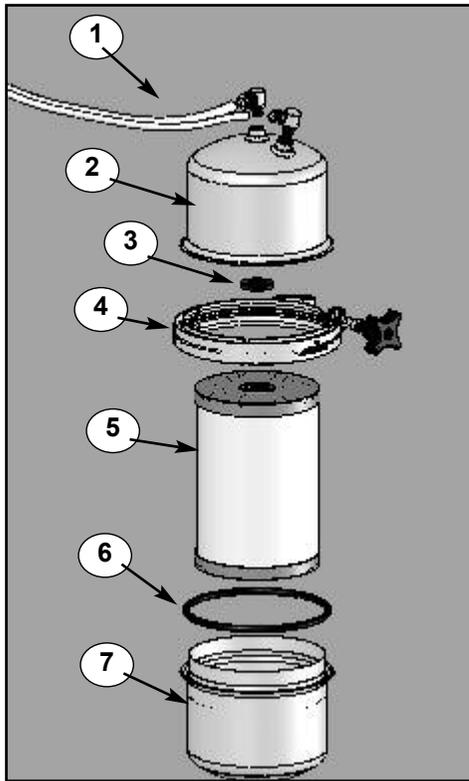
- Replacement filters can be purchased directly from Multipure. For the latest prices, please visit our website at <http://www.multipure.com/store/>.
- Actual filter life depends on the amount of water used and the level of impurities in the water. *See 2.1: Regarding Filter Capacity* for additional details.
- Multipure Drinking Water Systems are not intended for use with microbiologically unsafe water or non-municipally-treated water. *See 3.3: Frequently Asked Questions* for additional details.
- Do not allow water to freeze in the system. If the system is exposed to freezing temperatures, drain water from the system and remove the filter. Allow the filter to thaw before replacing and reusing.
- Do not allow water to sit in the system for extended periods of time (i.e., 10 days or more) without use. *See 2.4: Flushing / Disinfecting the System* for additional details.
- To dispose of the used filter, remove it from the housing and place in normal refuse. Filters disposed in a normal landfill will not release any chemical contaminants and may continue to adsorb additional contaminants in the landfill.
- Check for compliance with any state or local laws and regulations before use.

Specifications

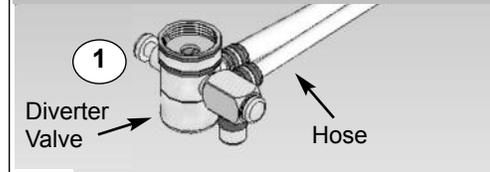
Specifications	
Model Name	AQUAMINI
Approximate Filter Capacity	250 gallons
Replacement Filter Type	CB6MINI
Approximate Flow Rate @60 psi	0.5 gpm
Housing Composition	Stainless Steel
Rubber Items	Nitrile (NBR)
Outlet	1/4" tube x 1/8" pipe
Inlet	3/8" tube x 1/8" pipe
Working Pressure Range	30 psi (2.1 kg/cm ²) to 100 psi (7.0 kg/cm ²)
Operating Temperature Range	32° F (0° C) to 100° F (38° C) – for cold water use only

Aquamini Installation Overview & Part Numbers

Aquamini



Diverter Valve



Part Numbers

- | | | |
|----|------------|-------------------------------------------|
| 1. | MC6400ASBL | Hose and Diverter Valve |
| 2. | MCLMINI | Housing Top |
| 3. | MC252-BLK | Black Rubber Cushion (inside housing top) |
| 4. | MC263ASBL | Locking V-Band |
| 5. | CB6MINI | Filter Cartridge |
| 6. | MC423 | O-Ring |
| 7. | MCBMINI | Housing Bottom |
| 8. | MC700 | Standard Adapters (see page 7*) |

1. Installation

1.1: Inspect Your Drinking Water System

1. Inspect your DWS to confirm that it has been received in good condition and that all parts are included.
2. Determine a countertop location for system placement, factoring in distance to the faucet for diverter valve and hose connection.
3. Inspect the system housing to confirm that the housing top and bottom are securely connected.

1.2: Connecting the Hose and Diverter Valve to the Faucet

1. Remove the aerator or screen (if present) from the end of the faucet. If facing the open end of the spout, rotate the aerator counter-clockwise to loosen and remove.
2. Attach the diverter valve directly to the faucet spout. If the threads of the diverter valve do not match the threads of the faucet, use one of the included faucet adapters to connect the diverter valve and faucet. If facing the open end of the spout, rotate the diverter valve and/or adapter clockwise to tighten.

NOTE: When using a faucet adapter, the rubber washer in the adapter always faces up toward the faucet.



a. If Your Faucet Has an Outside Thread (male connector):

For many faucets with an outside thread, the diverter valve can attach directly to the faucet. If the diverter valve is too small to attach to the faucet, attach the inside thread (female connector) adapter, part# MC106, to the faucet, and then attach the diverter valve to the adapter.

b. If Your Faucet Has an Inside Thread (female connector):

The diverter valve cannot directly connect to a faucet with a female connector. Attach one of the outside thread (male connector) adapters, part# MC107 or part# MC108, to the faucet, and then attach the diverter valve to the adapter. MC107 is designed to fit larger faucets, and MC108 is designed to fit smaller faucets.

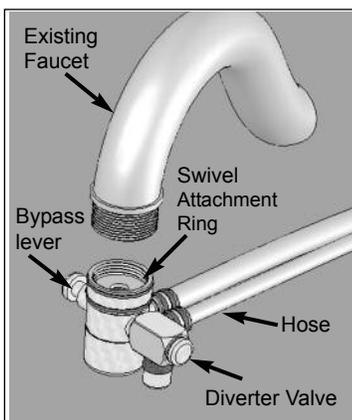
c. If Your Faucet Requires More Room for the Diverter Valve Connection:

Some faucets, particularly sprayer hose faucets, require additional room for the diverter valve connection. If this applies, attach the long adapter, part# MC257, to the opening of the faucet spout/sprayer, and then attach the diverter valve to the adapter. The DWS may need to be repositioned on the sink to allow enough room for sprayer faucet use.

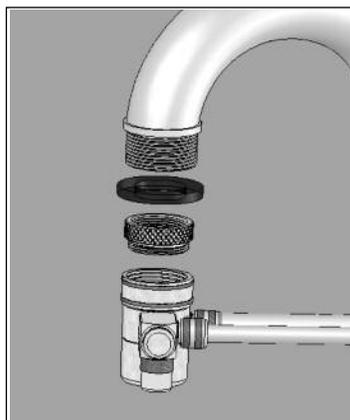
d. If the Adapters Do Not Fit Your Faucet:

Although the adapters included with your DWS allow connections with many standard faucets, they do not cover every type of available faucet connection. If none of the adapters allow the diverter valve to connect to your faucet, please contact Multipure Customer Service at 800.622.9206, ext. 175, to request part# MC105, part# MC109, or part# MC719 as possible adapter solutions.

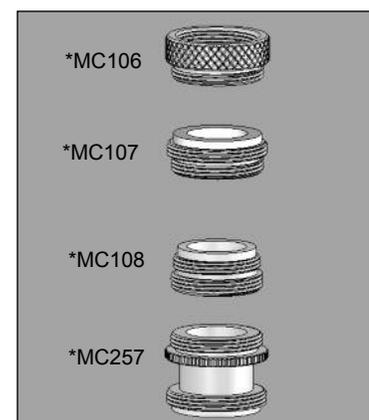
3. When connected properly, the hose from the diverter valve should lead toward the back of the faucet and sink.
4. The diverter valve features a bypass lever with a button on the left and right sides of the diverter valve. Press the left button to bypass the DWS and select the unfiltered water spout (larger opening). Turn on your faucet to let unfiltered water flow out of the diverter valve and to make sure that the diverter valve is properly connected.
5. Turn off the faucet.



Diverter Valve Attachment



Diverter Valve Attachment with adapter

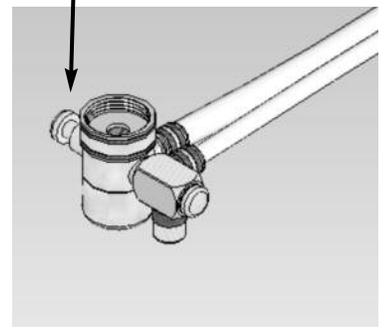


*MC700 - Adapters (choose one)
Many installations do not require an adapter

1.3: Preparing and Operating Your Drinking Water System

1. Using a paper towel or cloth, dry off all connections and the DWS housing.
2. Make sure that all connections are tightly secured.
3. Purge any air from the unit.
 - a. Press the right button on the diverter valve to select the filtered water spout. The water will flow through the DWS and emerge from the smaller opening on the diverter valve.
 - b. Allow water to flow through the DWS and filtered water spout for five minutes.
 - c. Press the left button to select the unfiltered water spout, and then turn off the faucet.
4. Make sure that all connections are tightly secured and that there are no leaks.
5. Turn on the faucet and press the right button to select the filtered water spout.
6. Allow water to flow through the DWS and filtered water spout for approximately **20 minutes**. This will flush the filter prior to use.
7. Press the left button to select the unfiltered water spout.
8. Turn off the faucet.
9. Check all connections to make sure that there are no leaks.
10. The system is now ready for use.

bypass
lever



2. Maintenance

2.1: Regarding Filter Capacity

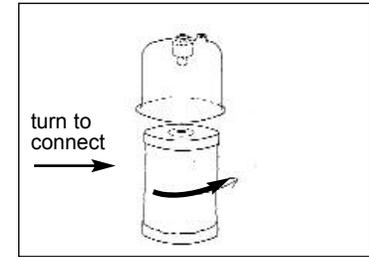
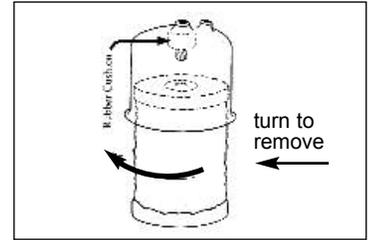
1. Exact filter capacity varies in proportion to the amount of water used and the level of impurities in the water being processed. For contaminants reduced through mechanical filtration, capacity claims are inapplicable due to broad variations in the quality and quantity of physical matter in the drinking water. Excessive physical matter will cause the DWS to clog, diminishing flow rate but reducing the contaminants from the resultant water stream.
2. For optimum performance and to maintain the lifetime warranty on your system housing, it is essential that the filter be replaced when the first of the following occurs: 1. six months have passed, 2. when the system reaches its rated capacity, 3. when the flow rate diminishes, or 4. when the filter becomes saturated with bad tastes and/or odors.

2.2: Removing the Old Filter

1. Before opening the DWS housing, place the system either on a folded towel, in a basin or other container, or in the sink.
2. With the faucet off, press the right button on the diverter valve to select the filtered water spout and flush water out of the DWS.
3. When the flow of water stops, press the left button on the diverter valve to stop the filtered water spout.
4. With the DWS housing in an upright position, unscrew the black knob on the Locking V-Band by turning it counter-clockwise.
5. With the black knob removed, spread the Locking V-Band apart and let it drop off the bottom of the DWS. Carefully set it aside.
6. Lift the top half of the DWS off of the bottom half. Make sure that the black O-ring remains in place on the bottom half of the housing.
7. Remove the old filter cartridge from the top half of the housing by rotating it counter-clockwise (if facing the inside of the top half of the housing).
8. Dispose of the used filter in your waste container.
9. Rinse out the inside of the system housing, hand washing if necessary.
10. Inspect the black rubber cushion on the inside of the top half of the housing, making sure that it is not cracked or worn; Multipure recommends that the cushion be replaced every two to three years.

2.3: Installing the New Filter

1. If you have not done so already, remove the plastic wrapper and instruction wrap from around the new filter.
2. Align the threaded hole of the new filter cartridge onto the inside thread of the top half of the DWS. Rotate the cartridge clockwise to tighten (if facing the inside of the top half of the housing). Make sure that the cartridge is threaded properly and straight. DO NOT OVERTIGHTEN.
3. Reconnect the top half of the housing (with attached filter cartridge) with the bottom half. Replace the Locking V-Band, making sure the screw is in place to connect the band together.
4. Screw the black knob onto the Locking V-Band, turning it clockwise to tighten.
5. Make sure that the V-Band is tightly secured evenly around the housing top and bottom.
6. Proceed to 1.3: Preparing and Operating Your Drinking Water System to complete the installation.



2.4: Flushing / Disinfecting the System

Multipure recommends that you do not allow water to sit in the system for extended periods of time without use. If a unit is left unused for more than 10 days, it may need to be flushed/disinfected before resuming normal use.

1. With the faucet off, press the right button on the diverter valve to select the filtered water spout and allow water to flow out of the DWS.
2. When the flow of water stops, press the left button on the diverter valve.
3. Remove the filter by following the directions in 2.2: Removing the Old Filter.
4. Add 5 to 7 drops of bleach to the bottom half of the housing.
5. Reconnect the top half of the housing without a replacement filter installed.
6. Turn on the water supply and allow the system to fill up with the water/bleach solution.
7. Turn on the faucet, and press the right button on the diverter valve to select the filtered water spout.
8. Once water begins to flow, press the left button to stop the filtered water spout.
9. Turn off the faucet, and let the system soak for at least 30 minutes.
10. After 30 minutes, with the faucet off, press the right button on the diverter valve to select the filtered water spout and flush the water and bleach out of the system.
11. When the flow of water stops, open, clean, and rinse out the inside of the system housing.
12. Proceed to 2.3: Installing the New Filter to install the new filter.

3 Additional Information

3.1: Warranty

Multipure 90-Day Guarantee: Multipure is confident in the performance of its Drinking Water Systems (DWS). If you should find this Drinking Water System unsatisfactory, let us know within 90 days of purchase for a prompt exchange or refund.

Multipure Warranty: Multipure warrants to the original retail customer its DWS and components to be free of defects in material and workmanship for use under normal care, and will repair or replace any system at no charge (excluding transportation to Multipure Corporate Headquarters) to the customer during the warranty period. The DWS housing is warranted for a lifetime (provided the filter has been changed at least once per year); all exterior hoses and attachments to the DWS are also warranted for defects in material and workmanship for one (1) year.

Multipure Solid Carbon Block Filters are warranted for defects in material and workmanship for use under normal care. The capacity of the filter cartridge depends upon the amount of impurities in the water to be processed.

Except as otherwise expressly provided above, Multipure makes no warranties, express or implied, arising by law or otherwise, including without limitation the implied warranties of merchantability and fitness for a particular purpose, to any person. This limited warranty may not be altered, varied, or extended except by a written instrument executed by Multipure. The remedy of repair or replacement as provided under this limited warranty is exclusive. In no event shall Multipure be liable for any consequential or incidental damages to any person whether occasioned by negligence of the manufacturer, including without limitation damages of loss of use, cost of substitution, property damage, or other monetary loss.

Warranty is valid only if the DWS is operated within conditions listed herein. The warranty begins from the date of purchase.

3.2: Troubleshooting

Issue	Solution
<p>Odor – rotten eggs, no discoloration on the filter</p>	<p>A rotten egg odor is a sign that H₂S (hydrogen sulfide) gas is present in your water source.</p> <p>If hydrogen sulfide gas is present in your water source, it is recommended that you rotate DWS usage between 2 filter cartridges. When the DWS emits the rotten egg smell, remove the filter and allow it to dry upside down to allow the gas to dissipate (the filter can be reused once dry). Use the second filter in the unit while the first filter is drying.</p>
<p>Odor – rotten eggs, with discoloration on the filter</p>	<p>A rotten egg odor is a sign that H₂S (hydrogen sulfide) is present in your water source. Filter discoloration can determine the source:</p> <ul style="list-style-type: none"> • orange/brownish colors – iron • blackish colors – manganese • slimy/blotchy colors – decaying organisms <p>When hydrogen sulfide comes from a source that discolors the filter cartridge and creates a strong rotten egg odor, the only recommended solution is to change the filter cartridge.</p>
<p>Color – milky color in the water</p>	<p>Milky color in the water is typically caused by air bubbles in the water. Higher than normal water pressure through the DWS can create these small air bubbles, but they do not affect system performance. Air in the water may also be the result of conditions in your municipal water supply.</p> <p>For countertop systems, turn on the water and engage the diverter valve while slightly reducing the water flow. Less water pressure through the system can prevent air bubbles from forming.</p>
<p>Color – black color in the water</p>	<p>Black color in the water is typically caused by residual carbon dust from the filter.</p> <p>Allow water to run through the DWS for approximately 20 minutes to flush the filter. Residual carbon dust may initially color the water black.</p>
<p>Flow rate – the water flow rate is slow</p>	<p>The filter is designed to restrict its flow rate when clogged with particulates or other solid contaminants.</p> <p>When the water flow rate slows to the point of inconvenience, it is time to replace the filter cartridge. If other water sources are on while using the DWS, turn them off to check if they are affecting the flow rate.</p>
<p>Taste/Odor – miscellaneous</p>	<p>The carbon block filter may have become saturated with the tastes and odors treated in your drinking water.</p> <p>To resolve this, change the filter.</p>
<p>Bypass lever – sticking (hard to move)</p>	<p>Minerals in the water can build up on the diverter valve, causing the bypass lever to stick and preventing the buttons from being pressed easily.</p> <p>A sticking bypass lever can be solved by lubricating it or by dissolving the mineral deposits.</p> <p><u>Lubrication</u> – requires vegetable oil; because lubrication does not dissolve the mineral deposits, it may need to be performed periodically.</p> <ol style="list-style-type: none"> 1. Unscrew the diverter valve and remove from the faucet. 2. Pour a small amount of vegetable oil in the inlet hole. 3. Push the left and right buttons on the diverter valve several times to lubricate it thoroughly. 4. Reconnect the diverter valve to the faucet. <p><u>Dissolving</u> – requires vinegar; may cause discoloration to the metal.</p> <ol style="list-style-type: none"> 1. Unscrew the diverter valve and remove from the faucet. 2. Soak the diverter valve in a bowl of vinegar for 10 minutes. 3. Rinse the diverter valve and reconnect to the faucet.
<p>Bypass lever – stuck (cannot be pressed)</p>	<p>The bypass lever can occasionally become stuck due to the presence of air in the tubing. This can prevent the buttons from being pressed.</p> <ol style="list-style-type: none"> 1. Unscrew the diverter valve and remove from the faucet. 2. Press the left and right buttons to test it. If they press in easily, then removing the diverter valve freed the air in the tubing. 3. Reconnect the diverter valve to the faucet.

3.3: Frequently Asked Questions

Question	Answer
Will low pH or acidic water affect the filter?	<p>No. Mineral components can determine the pH of water, and minerals dissolved in solution in the water pass through the system unfiltered.</p> <ul style="list-style-type: none"> • pH 7 = neutral • pH > 7 = alkaline • pH < 7 = acidic
Does deionized water or soft water have an effect on Multipure water?	<p>No. Because Multipure filters do not treat the natural minerals dissolved in water, the hardness or softness of water has no effect on the resultant filtered Multipure water.</p>
Can the Multipure system be connected to an icemaker?	<p>The Aquamini cannot be connected to an icemaker, although Multipure below sink Drinking Water Systems (Aquaversa, Aquaperform) can be connected to the sink, refrigerator, water dispenser, or icemaker</p>
Can the Multipure system be used during an emergency or when the water is turned off?	<p>Yes. During an emergency or when the source water is off, you can hand pump or siphon water through the Multipure system.</p> <p>CAUTION: The Multipure system is not intended for use where the water is microbiologically unsafe or with water of unknown quality without adequate disinfection before or after the unit. To disinfect questionable source water, add 1/4 tsp. of household bleach per gallon of source water; the Multipure system will remove this solution from the water during the filtering process. Hand pump kits and emergency kits are available from Multipure.</p>
What causes white particles to appear in Multipure water when it is frozen or boiled?	<p>Because the Aquamini does not reduce any natural minerals present in water, these minerals may solidify when the water is frozen and appear as white flakes or specks when the water is melted or boiled.</p> <p>Many natural minerals in water are beneficial to your health, and their existence in drinking water (in normal quantities) is not cause for alarm. Minerals can be removed by Reverse Osmosis technology, which is available through the Multipure AquaRO Drinking Water System.</p>
Why does the Multipure system reduce Volatile Organic Chemicals, but not natural minerals?	<p>Minerals are dissolved in solution and do not have an actual physical size; thus, the minerals pass through the system unfiltered.</p>
Should sediment be removed with a standard filter first?	<p>In areas with excessive sedimentation, pre-filtration can help extend the operational efficiency of the Multipure filter; however, in most areas it is unnecessary.</p> <p>Multipure Drinking Water Systems utilize a double-filter mechanic. The outer material is a pre-filter that protects the solid carbon block from prematurely clogging with large sediment.</p>
Why is the compressed solid carbon block filter more efficient than (loose) granular activated carbon filters?	<p>Multipure's densely compacted solid carbon block filters force water through microscopic pores of carbon – much smaller than those of granular activated carbon – thus more effectively reducing particulate matter and contaminants that affect the taste and odor of the water.</p>
What is the difference between a “water softener” and a Multipure Drinking Water System?	<p>Water softeners are not designed to treat drinking water for contaminants; instead, they are designed to adjust the hardness (mineral content) of the water.</p> <p>Soft water is often desirable for bathing and laundering purposes, and may extend the life of hot water heaters and boilers. However, soft water is not recommended for use on plants or lawns. Multipure recommends that you bypass a water softener when installing your Multipure Drinking Water System.</p>
Can the Multipure Drinking Water System be used with untreated water?	<p>Questionable water sources should be disinfected prior to use. To disinfect questionable source water, add 1/4 tsp of household bleach per gallon of source water; the Multipure system will remove this solution from the water during the filtering process.</p> <p>Multipure systems are designed to be used with municipally treated water; they are not intended to be used where the water is microbiologically unsafe or with water of unknown quality without adequate disinfection before or after the unit. Systems certified for cyst reduction may be used on disinfected waters that may contain filterable cysts.</p>

Be sure to replace your filter at least once a year or sooner, if needed.

Date of Installation: _____
Unit Model Number: _____
Filter Type: _____
Dates of Filter Change

To order a Replacement Filter

Call 800.622.9208

or

www.multipure.com/rf.htm



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