MULTIPURE®

Multipure Aquasource

Better Water Throughout the Home

Installation, Operation & Maintenance Manual

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About the Multipure Aquasource Whole House Water Treatment System

Thank you for your purchase of Multipure's Aquasource Whole House Water Treatment System. The Multipure Aquasource is designed to aesthetically improve the quality of the water used throughout your entire home. With proper installation and maintenance, this system will provide you with better water for years to come. If you have any questions or concerns, please contact our Customer Care Department by phone at 702.360.8880 or by email at customercare@multipure.com .

THE AQUASOURCE WATER TREATMENT SYSTEM MUST BE INSTALLED BY A LICENSED PLUMBER IN ACCORDANCE WITH ALL APPLICABLE PLUMBING CODE.

Before You Begin

Please read this manual before proceeding with the professional 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 www.multipure.com/products/replacement-filters/.
- If your water has a noticeable amount of large particulate matter (e.g., sand, dirt, leaves, etc.), Multipure recommends the installation of a Sediment Filter (purchased separately) before the Aquasource, which extends the useful life of the replacement filter cartridges.
- The concentration of the indicated substances in water entering the system was reduced to a concentration less than or equal to the permissible limit for water leaving the system.
- Multipure's water treatment systems are designed to be used where the water is microbiologically safe and has been adequately disinfected.
- Filter life will vary in proportion to the amount of water used and the level of impurities in the water being processed. For optimum performance, it is essential that the filters be replaced on a regularly scheduled basis as follows: (a) annually; (b) when the system's rated capacity has been reached; (c) the flow rate diminishes; or (d) the filters become saturated with bad tastes and odors.
- Do not allow water to sit in the system for extended periods of time (10 or more days) without being used. If the system is to be left unused for more than 10 days, drain all water from the system and remove the filters. Upon your return, reconnect the filters in the housing and continue use. In the event water does sit in the system for 10 or more days, the system should be flushed by allowing water to flow to waste for about 10 minutes; then continue use as normal.
- Do not allow water to freeze in the system. If the system is exposed to freezing temperatures, drain water from the system and remove filter.
- Multipure's stainless steel housings are warranted for a Lifetime (Provided that the filters be replaced at least once a year)
- While testing was performed under standard laboratory conditions, actual performance may vary.
- The system and installation must comply with state and local laws and regulations.
- The system is not intended to convert wastewater or raw sewage into drinking water.
- The Aquasource Whole House System is designed for cold water use only, and at a water pressure range of 30 psi (206.8 kPa) to 100 psi (689.5 kPa).
- The Aquasource housing operates in an upright position. Please leave at least 22" clearance above the housing for filter cartridge changes.

Important Notice

- The installation of a Whole House Water Treatment System will cause a reduction in the water flow rate or pressure. Flow rate/pressure drop will vary depending on a variety of factors, including but not limited to the size of the pipes in your home, the number of fittings and outlets, and the height to which the water must be delivered.
- You may encounter a noticeable water pressure drop if multiple water outlets (e.g., toilets, showers, dishwashers, etc.) are open at the same time.

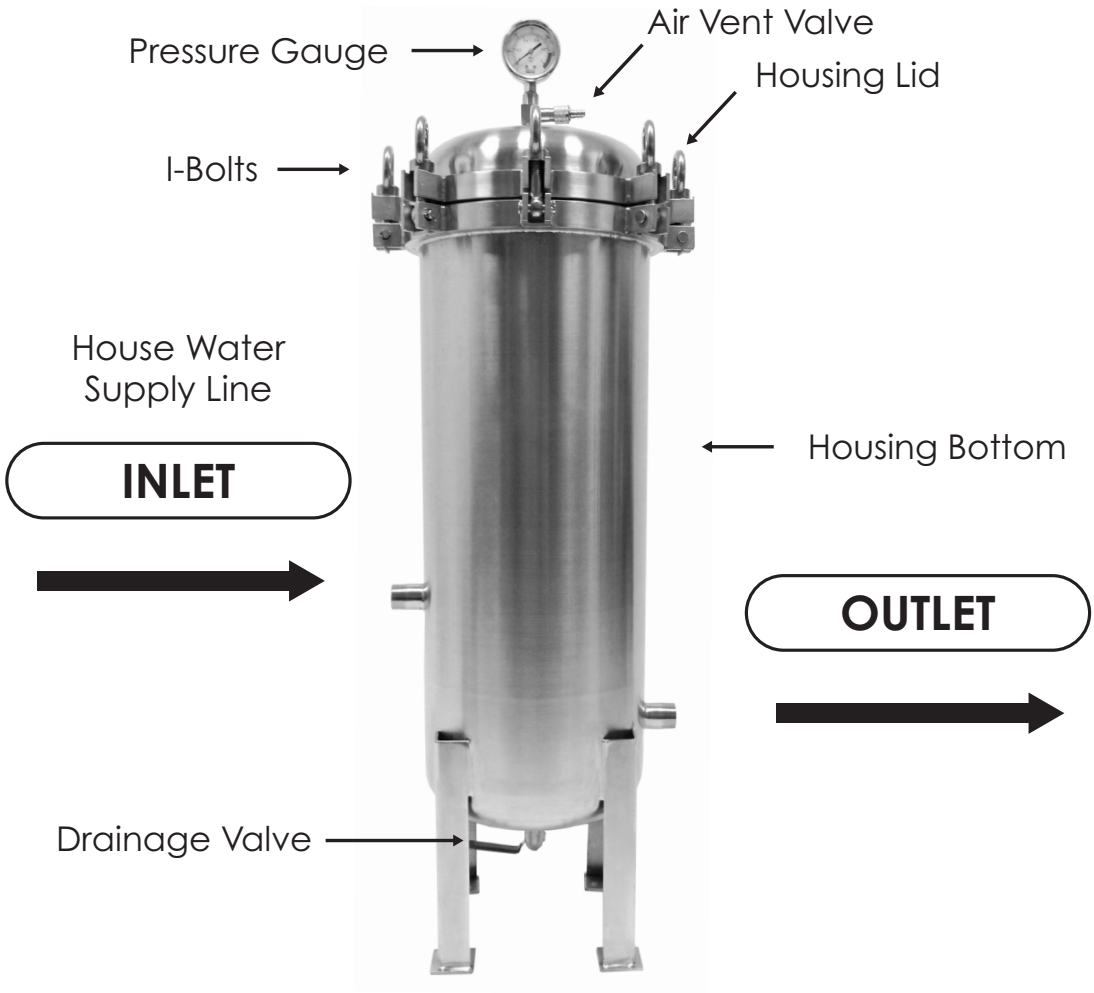
Specifications

Model Name	AQSOURCE3
Replacement Filter Type:	CB20HC
Approximate Capacity:	120,000 gallons (3 filters at 40,000 gallons each)
Approximate Flow Rate:	12 gpm
Pressure Drop @ 16 gpm:	5.7 PSI
Housing Composition:	304 Stainless Steel
Rubber Items:	Silicone
Inlet:	1"
Outlet:	1"
System Size:	41" h x 16" d
System Weight (without cartridges):	120 lbs.
Filter Cartridge Size (each):	20" h x 4.75" d
Filter Cartridge weight (each):	6 lbs
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
Certified By:	IAPMO R&T

Multipure Aquasource Parts List

- Housing lid, secured with 8 I-bolts
- Housing bottom
- (3) CB20HC Replacement Filter(s)
- Silicone gasket (not shown - fits in the groove at the flat top surface of the housing bottom)
- Pressure gauge
- Filter retention plate
- Threaded connecting rod and nut
- Drainage valve
- All other components must be supplied by purchaser or plumber

Multipure Aquasource
Installation Overview



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Installation

THE MULTIPURE AQUASOURCE WATER TREATMENT SYSTEM MUST BE INSTALLED BY A LICENSED PLUMBER IN ACCORDANCE WITH ALL APPLICABLE PLUMBING CODE.

The following are guidelines for installing the Multipure Aquasource to the main water supply line for the whole house. If you have questions regarding the installation of your Multipure Aquasource Whole House Water Treatment System, please contact your plumber and/or call Multipure Customer Care by phone at 702.360.8880 or by email at customercare@multipure.com .

Prepare the Multipure Aquasource for Installation

1. Turn each of the 8 I-bolts counter-clockwise to loosen (use a screwdriver, pliers, or other tool for leverage, if necessary). Pull the I-bolts up and away from the housing lid, and then turn them so that each I-bolt rests against the side of the housing bottom.
2. Carefully lift the housing lid up off of the housing bottom and set aside.
3. Turn the nut on the retention plate counter-clockwise to remove. Carefully remove the filter retention plate and set both the plate and the nut aside.
4. **Remove** the plastic wrapping and instruction wrap from all 3 filter cartridges.
5. Inspect each filter cartridge to make sure that all three have two (2) black O-rings properly seated in grooves on the nipple, and one (1) white gasket seated at the base of the filter nipple.
6. Install each filter cartridge inside the system housing, one at a time:
   a. Insert each filter cartridge, nipple-side down, into one of the 3 receptor holes located inside the bottom of the Multipure Aquasource housing.
   b. Make sure that all 3 cartridges are fully inserted, and that the white gasket around the filter cartridge nipple is in complete contact with the receptor hole.

   NOTE: All 3 filter cartridges must be used for proper function of the Multipure Aquasource. Failure to properly insert all 3 filter cartridges may result in water bypassing the filters and passing through the Multipure Aquasource unfiltered.
7. Align the filter retention plate so that the connecting rod fits through the center hole of the plate. Place the retention plate nut over the connecting rod and rotate clockwise to securely tighten the retention plate over the 3 filter cartridges.
8. Inspect the flat opening surface at the top of the housing bottom. Make sure that the silicone gasket there is undamaged and properly seated in the recessed groove.
9. Carefully place the housing lid on top of the housing bottom. Secure with the 8 I-bolts, turning each clockwise to tighten.
10. Connect the pressure gauge on top of the housing lid, rotating it clockwise into the threaded receptor. Use Teflon tape to ensure a proper seal.

Prepare the Multipure Aquasource and House Plumbing for Installation - (parts supplied by plumber in accordance with local plumbing codes)

1. Locate the main water supply line for the house. Locate the main water supply shutoff valve and rotate it counter-clockwise to close the water supply to the house.
2. Close all of the faucets in the house to avoid back flow of water.

3. Disconnect the water line. If a pressure regulator is installed, disconnect the line after the regulator.
4. If necessary, install additional plumbing to enable a valve connection to bypass the Multipure Aquasource system on the water supply line.
5. Connect the **outflowing** water line (the water line going into the house) to the 1" OUTLET port of the Multipure Aquasource housing. The OUTLET port is the lower of the two ports on the housing, closer to the bottom of the housing.
6. Connect the **inflowing** water line (the water line with the initial water supply) to the 1" INLET port of the Multipure Aquasource housing. The INLET port is the higher of the two ports on the housing, closer to the center of the housing.

Startup and Use of Your Multipure Aquasource Whole House Water Treatment System

1. Close the shutoff valve connected to the drainage valve.
2. Open the main water supply shutoff valve. Check for any possible leaks.
3. Purge the air from the Multipure Aquasource.
   a. Locate the air vent valve on top of the Multipure Aquasource housing lid. Rotate the air vent valve nut counterclockwise until it is removed.
   b. Once a steady stream of water escapes from the air vent valve, replace the air vent valve nut and turn clockwise to tighten.
4. Attach a garden hose to the drainage valve and open the valve to flush the system.
5. Allow water to flow through the Multipure Aquasource and out through the flushing hose for approximately 5-10 minutes. This will flush any carbon dust and debris from the pipes.
6. Close the drainage valve. Check all connections for any possible leaks.
7. Open the shutoff valve connected to the outflowing water line. Water can now flow through the Multipure Aquasource and into the house.

Additional Usage Notes

Your Aquasource Whole House Water Treatment System is now ready to provide cleaner, clearer water at every tap and appliance throughout your home. The Aquasource effectively reduces dirt, rust, sand, algae, and chlorine, improving the smell, taste, and overall quality of water for bathing, showering, and all other household water needs.

For the highest quality drinking water, Multipure recommends the installation and use of a Multipure Drinking Water System at the kitchen sink as a supplement to the Aquasource Whole House Water Treatment System. Multipure Drinking Water Systems provide additional filtration by reducing the presence of contaminants of health concern.

The Aquasource should not be installed downstream of an ion-exchange water softener, however the installation of an Aquasource upstream of (before) a water softener may improve the performance of the softener.

Maintenance

Regarding Filter Capacity

1. The Multipure Aquasource Whole House Water Treatment System uses **filter Model No. CB20HC**. Exact filter capacity varies in proportion to the amount of water used and the level of particulate matter in the water being processed.
2. For optimum performance and to maintain the lifetime warranty on your system housing, it is essential that the filters be replaced when the first of the following occurs: (a) when the system reaches its rated capacity, (b) when the flow rate diminishes, (c) when the filter becomes saturated with bad tastes and/or odors, or (d) every 6-12 months.
3. **For any questions regarding the replacement of your Multipure Aquasource filters, or to order Replacement Filters, please contact Multipure by phone at 702.360.8880 or online at www.multipure.com.**

Removing the Used Filter Cartridges

1. Locate the main water supply line for the house. Locate the main water supply shutoff valve and rotate it counter-clockwise to close the water supply to the house.
2. Close all of the faucets in the house to avoid back flow of water.
3. Relieve air pressure from the housing by rotating the air vent valve nut (located on top of the housing lid) counterclockwise until it is removed.
4. Attach a garden hose to the drainage valve and open the valve to flush the system.
5. Allow water to flow through the Aquasource and out through the flushing hose. This will drain the water from the system housing.
6. Close the drainage valve. Check all connections for any possible leaks.
7. Turn each of the 8 I-bolts counter-clockwise to loosen (use a screwdriver, pliers, or other tool for leverage, if necessary). Pull the I-bolts up and away from the housing lid, and then turn them so that each I-bolt rests against the side of the housing bottom.
8. Carefully lift the housing lid up off of the housing bottom and set aside.
9. Turn the nut on the retention plate counter-clockwise to remove. Carefully remove the filter retention plate and set both the plate and the nut aside.
10. Carefully remove each of the 3 used filter cartridges from the system housing. Allow them to dry for 24-48 hours before disposal.
11. To dispose of the used filters, place them in normal refuse.

Installing the New Filter Cartridges

1. **Remove** the plastic wrapper and instruction wrap from around the new filter cartridges.
2. Inspect each filter cartridge to make sure that all three have two (2) black O-rings properly seated in grooves on the nipple, and one (1) white gasket seated at the base of the filter nipple.
3. Install each filter cartridge inside the system housing, one at a time:
   a. Insert each filter cartridge, nipple-side down, into one of the 3 receptor holes located inside the bottom of the Multipure Aquasource housing.

b. Make sure that all 3 cartridges are fully inserted, and that the white gasket around the filter cartridge nipple is in complete contact with the receptor hole.

NOTE: All 3 filter cartridges must be used for proper function of the Multipure Aquasource. Failure to properly insert all 3 filter cartridges may result in water bypassing the filters and passing through the Multipure Aquasource unfiltered.

4. Align the filter retention plate so that the connecting rod fits through the center hole of the plate. Place the retention plate nut over the connecting rod and rotate clockwise to securely tighten the retention plate over the 3 filter cartridges.
5. Inspect the flat opening surface at the top of the housing bottom. Make sure that the silicone gasket there is undamaged and properly seated in the recessed groove.
6. Carefully place the housing lid on top of the housing bottom. Secure with the 8 I-bolts, turning each clockwise to tighten.
7. Close the shutoff valve connected to the drainage valve.
8. Proceed to 1.3: Startup and Use of Your Multipure Aquasource Whole House Water Treatment System to complete the installation.

Aquasource Performance Data

Multipure's Aquasource System is certified by IAPMO R&T to NSF/ANSI 42 (Aesthetic Effects) for the reduction of Chlorine, Taste & Odor. Multipure drinking water systems are designed to be used where the water is microbiologically safe and has been adequately disinfected.

NSF/ANSI 42 - Aesthetic Effects

Multipure's Aquasource has been certified by IAPMO R&T according to NSF/ANSI Standard 42 for the reduction of the following substances. The concentration of the indicated substances in water entering the system was reduced to a concentration less than or equal to the permissible limit for water leaving the system.

Contaminant	Average Percent Reduction	Influent challenge concentration (mg/L unless specified)	Maximum permissible product water concentration (mg/L unless specified)
CHLORINE	86.6%	2.0 ± 10%	≥ 50%

Footnotes

1. **Do not use with water that is microbiologically unsafe or with water of unknown quality without adequate disinfection before or after the system.**
2. Multipure's Aquasource has been certified, as indicated, by IAPMO for compliance to NSF/ANSI Standard No. 42.
3. Filter life will vary in proportion to the amount of water used and the level of impurities in the water being processed. For optimum performance, it is essential that the filter be replaced on a regularly scheduled basis as follows: (a) annually; (b) when the system's rated capacity has been reached; (c) when the flow rate diminishes; or (d) when the filter becomes saturated with bad tastes and odors.
4. Do not allow water to freeze in the system. If the system is exposed to freezing temperatures, drain all water from the system and remove the filter.
5. Do not allow water to sit in the system for extended periods of time (10 or more days) without being used. If the system is to be left unused for more than 10 days, drain all water from the system and remove the filter. Upon your return, reconnect the filter in the housing/pressure vessel and continue use. In the event that water sits in the system for 10 or more days, the system should be flushed by allowing water to flow to waste for 10 minutes; after the system is flushed, resume use as normal.
6. Multipure system housings are warranted for a Lifetime (provided that the filter is replaced at least once a year). All exterior hoses and attachments to the system are warranted for defects in material and workmanship for one year. Please see the Owner's Manual for complete product guarantee and warranty information.
7. Please see the Owner's Manual for operating procedures.
8. In compliance with New York law, it is recommended that before purchasing a water treatment system, NY residents have their water supply tested to determine their actual water treatment needs. Please compare the capabilities of the Multipure system with your actual water treatment needs.
9. While testing was performed under standard laboratory conditions, actual performance may vary.
10. The list of substances which the treatment device reduces does not necessarily mean that these substances are present in your tap water.
11. The system and installation must comply with state and local laws and regulations.
12. The system is not intended for use converting raw sewage or other waste/refuse sources

Aquasource Filter Options

Multipure offers 3 more Aquasource filter options designed to improve the quality of your water.

Chlorine + Limescale Reducer Filters - 3 Pack (SKU# CB20HC-LSIPK)* -** Same great Chlorine whole-house solution with limescale reducing feature.

Chloramine Filters - 3 Pack (SKU# CB20CLMPK)* -** The whole-house solutions that helps treat Chloramine.

Chloramine + Limescale Reducer Filters - 3 Pack (SKU# CB20CLMLSIPK)* -** Same great Chloramine whole-house solution with limescale reducing feature.

*** This filter option is not certified for performance by IAPMO R&T

Other Multipure Products

Multipure offers other drinking water and water treatment devices. The following products are just a sample of those available from Multipure.

Multipure Aquaversa (SKU# MP750) - This drinking water system features a stainless steel housing and is designed for installation versatility. This model includes a stand-alone chrome faucet and a below sink installation kit, allowing it to be attached to a cabinet wall below the sink with an included mounting bracket. The faucet requires a 0.5" hole available in the countertop or sink for installation. The below sink Aquaversa connects to the cold water line with an included Adapta Valve.

The below sink Aquaversa is intended for a more permanent installation, although it can be removed and converted for countertop use with additional parts. An optional acrylic base is available separately.

- Housing: 8.5"h x 5.75"w
- Filter Capacity: 750 gallons (up to 1 year)
- NSF certified to reduce a wide range of contaminants of health concern
- Compatible Replacement Filter: CB6

Multipure Aquashower (SKU# AQSH) - The Multipure Aquashower connects quickly and easily in-line with most existing showerheads, providing all the health benefits of Multipure dechlorinated water in your shower.

- Filter Capacity: 25,000 gallons
- Includes crystalline quartz technology in its filter media for an energized shower experience

For additional information on these product or for a complete listing of everything we offer, please visit **www.multipure.com**.

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

Date of Installation: _____

System Model Number: _____

Filter Type: _____

Dates of Filter Change

_____ _____ _____ _____

_____ _____ _____ _____

Multipure Warranty

Product Registration

To order a Replacement FIlter
Call 702.360.8880 or www.multipure.com

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