

AquaKinetic®

 Kinetico®
home water systems

A200 Drinking Water System A200 système d'eau de boisson Sistema de agua potable A200



Owner's Manual • Guide d'utilisation • Manual del usuario

A200 Drinking Water System

Owner's Manual



Congratulations for choosing the A200 Drinking Water System to improve the quality of your water. You will immediately begin to notice the numerous benefits of having quality water in your home and the benefits of having an A200 Drinking Water System.

Since 1970, Kinetico Incorporated has designed and manufactured products to improve the quality of your water. Kinetico offers a complete line of quality water systems to solve your water problems. Pioneers in non-electric, demand-operated water treatment, Kinetico continually sets the direction for the entire water quality industry.

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About the A200 Drinking Water System



Water is the most important resource liquid in the world. And although the water you use for drinking and cooking constitutes less than one percent of all water used in the home, its quality is probably most important to you.

Experts suggest you drink approximately eight, eight-ounce glasses of water per day. Now that you have an A200 Drinking Water System, you can rest assured you're drinking clean, high quality water. And it will taste great too. With an A200 Drinking Water System, drinking those eight glasses of water will be a pleasure, not a chore.

How To Use High Quality Drinking Water

Since A200 Drinking Water Systems significantly reduce heavy metals (such as lead), chemicals, minerals, and unpleasant tastes and odors in your water*, you may want to make some adjustments when using A200 Drinking Water when cooking.

* The contaminants listed are not necessarily in your water.

1 Let your taste buds decide how much water to use.

When mixing concentrated juices and drinks or making gelatin, tea or coffee, you may need to adjust the amount of water used. You may find that you can use less coffee or tea and still get the desired taste. Or in the case of concentrated drinks, you can add more water without getting a watered-down taste. Also, it probably won't be necessary for you to descale your automatic coffee maker with vinegar as recommended.



2 A200 Drinking Water is ideal for cooking and baking.

Don't forget to use water from your A200 Drinking Water System for cooking pasta, and washing fruits and vegetables. Whenever a recipe calls for water, reach for your special drinking water tap.

3 Use A200 Drinking Water in irons and small humidifiers/vaporizers.

For extended operation and easier maintenance, use A200 Drinking Water in irons and small humidifiers. You'll no longer have to buy distilled water or suffer the consequences of using common tap water in irons and humidifiers. Since water produced by your system has a reduced mineral content, it's ideal for use in these appliances and it's available right at your kitchen sink.

4 Make ice cubes with A200 Drinking Water.

If your refrigerator/freezer is equipped with an ice maker, you may want to consider running a line from your system to the ice maker. If you don't have an ice maker, be sure to fill your ice cube trays with Kinetico Drinking Water. Either way, you'll be able to enjoy better tasting and clearer ice cubes.

5 Houseplants and pets like Kinetico Drinking Water too.

Don't forget about your plants and pets. Just like you, they'll love Kinetico Drinking Water.



How Your A200 Drinking Water System Works

A200 Drinking Water Systems offer five stages of protection to ensure you're always getting good, clean water. The system significantly reduces the heavy metals, chemicals, minerals, and objectionable tastes and odors that may be in your water. See performance data sheet for individual contaminants and reduction performance.

Stage 1 – Prefilter

The first filtration stage, the prefilter (Part No: sediment 9309A, high capacity carbon / sediment 9461A), prepares the water for the reverse osmosis process. The five-micron filter captures sediment and small particulate matter, and reduces chlorine (high-capacity carbon / sediment only) protecting the reverse osmosis membrane and enhancing its performance.

Stage 2 – Reverse Osmosis Membrane

After prefiltration, the water travels to the reverse osmosis membrane cartridge where the primary cleaning is performed. Here, water is forced through a semipermeable membrane under pressure, many or most minerals, chemicals or objectionable matter that might have been in your water are flushed down the drain.

Stage 3 – Storage Tank

After the water is processed, it is stored in a tank until needed. Kinetico's storage tank turnover feature keeps the water from becoming stale.

Stage 4 – Postfilter Polisher

After leaving the storage tank, the water travels to the postfilter (Part No. 9306B). Containing activated carbon, the postfilter gives a final polish to your water, further reducing unpleasant tastes and odors.

Stage 5 – Faucet

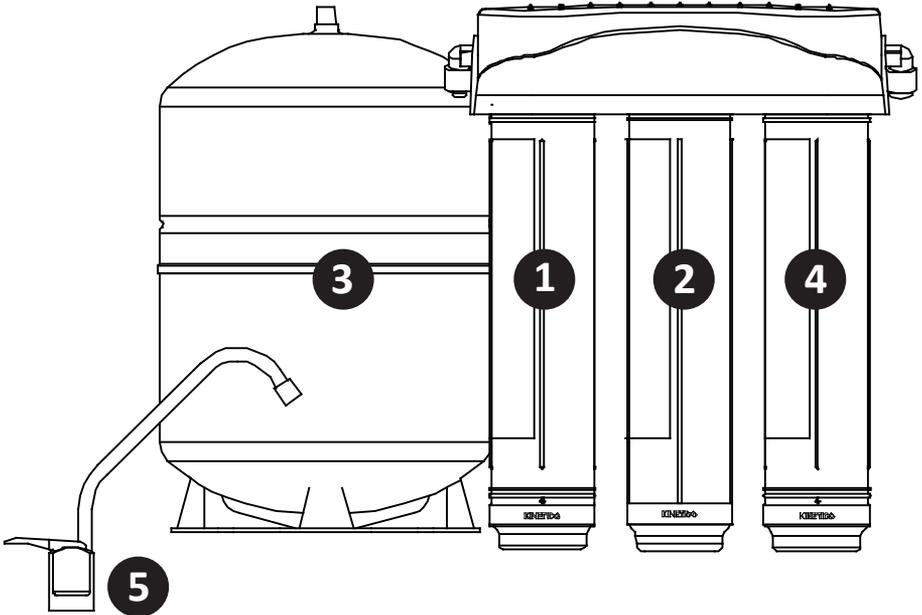
The final protection stage is a custom, decorator, lead-free tap, which is mounted on your sink. With this tap, you can be sure that lead won't be added into your drinking water.

Demand Operation Means Added Efficiency

A200 Drinking Water Systems are non-electric and demand-operated, which means they operate according to your usage. With demand-operation, A200 Drinking Water Systems produce high quality drinking water, while they maximize water efficiency and performance.

Automatic System Shutdown Conserves Water

When the storage tank is full, your A200 Drinking Water System shuts down. It will begin making water again when the storage tank has been partially emptied. A storage tank turnover feature ensures fresher, better-tasting water and prevents unnecessary continuous water production. Unlike other systems, processed water is not constantly sent to drain.



Quick Disconnect Filter Cartridges Make Maintenance Easy

Filter changes are a snap on the A200 Drinking Water System. After fully depressurizing your system, change cartridges simply by twisting them one-quarter turn and pulling downward. Detailed instructions are provided with each replacement cartridge. Additional information is supplied in this owner's manual under "Filter Changes."



System Accessories

Your system may also include the following upgrades, which are available from your local Kinetico dealer.

Decorator Finish, Lead-free Drinking Water Taps

If your system was upgraded with a Kinetico decorator tap, rotate the handle to dispense your drinking water. Decorator taps are available in Classic Chrome, Satin Nickel/ Stainless, Brilliant Nickel, Oil Rubbed Bronze, Polished Brass, Arctic White, Light Biscuit and Black Licorice.

Oversized Storage Tank*

A larger storage tank supplies more water on demand for larger families, but functions like the standard tank. There's no need to do anything special to your system. Simply enjoy your clean, clear drinking water.

*System accessory is not WQA certified.

Maintaining Your Drinking Water System

NOTE: *You must follow the A200 Drinking Water System's operational, maintenance and replacement instructions to ensure proper system performance. Recommended hardness is zero to 10 gpg for extended product life. Do not use where water is microbiologically unsafe or with water of unknown quality. Systems claiming cyst reduction may be used on disinfected water containing filterable cysts.*

The A200 Drinking Water System must be properly maintained to continue providing high quality drinking water.

Shutting Off the System

If you should ever discover a problem with your drinking water system, turn off the water supply to the system. Then call your authorized Kinetico dealer for service. If you plan to be away from home for more than a few days, shut off the water supply to your system to extend its life. You may also want to drain the drinking water storage tank upon your return to ensure the freshest water.

Booster Pumps

Some households require booster pumps to ensure that adequate feed pressure is being supplied to the system. Unplug or turn off the power supply to any pumps before attempting to service your system.

Filter Changes

An average family of four with average drinking water use can expect the prefilter and postfilter cartridges to last approximately nine months to one year. Kinetico recommends annual cartridge replacements for these cartridges. The reverse osmosis membrane cartridge should be replaced when the system stops properly reducing dissolved solids.

Your local, authorized Kinetico dealer will change your cartridges, completely sanitize your system, check your water and make sure your system is operating properly. If you choose to install your new cartridges yourself, follow the instructions carefully. Never attempt to remove any of the system's cartridges without first depressurizing the system. Be sure to completely sanitize your system by following the instructions provided in the "Sanitization Procedure" section of this owner's manual to prevent contamination from human contact.

Sanitization Procedure

If you choose to change the cartridges on your A200 Drinking Water System yourself, you must use a sanitization kit available from your Kineticco dealer. Follow the instructions to fully sanitize your system. Wash your hands thoroughly and do not touch any internal portions of the system. Or call your local, authorized Kineticco dealer who can change the necessary filters, disinfect your system and analyze your water to be sure it is of the best quality.

WARNING: To avoid possible injury and property damage. This system must be properly depressurized before attempting to remove any cartridge or other component.

NOTE: Be prepared to catch any water when disconnecting and sanitizing your system.

- A. Remove the decorative cover. Close the cold water supply valve. Open the drinking water tap to drain the storage tank. Wait until all the flow stops at the open tap before continuing (this may take several minutes).
- B. Remove the prefilter and postfilter cartridges **1**. Be prepared to catch accidental water spills when removing the cartridges. Discard the cartridges. Remove the membrane cartridge from the center of the bracket assembly **2**. Drain this cartridge into a pan or the sink and retain it for reinstallation later in this procedure.
- C. Fill the sanitizer cartridges full with clean water. Add 1 dropper (5 mL) of regular, unscented household bleach (5.25% sodium hypochlorite) to the center of each cartridge **3**. Install the sanitizer cartridges into the prefilter, postfilter and membrane heads **4**.
- D. Close the drinking water tap. Be sure the storage tank valve is open. Slowly open the cold water supply valve and allow chlorinated water to fill the storage tank for approximately four to five minutes.
- E. Close the cold water supply valve and the storage tank valve. Open the tap to depressurize the system. Remove the sanitizer cartridges **5**. Be prepared to catch accidental spills from these cartridges. Drain the cartridges. Set aside one of the cartridges for use in Step G. Retain the other two sanitizer cartridges for future use. Close the tap.
- F. Install the new postfilter cartridge into the postfilter head on the right-hand side of the bracket manifold. Install the membrane cartridge into the center of the bracket manifold **6**.
- G. Mix 1/3 cup clean water with one level teaspoon of Iron Out or sodium metabisulfite. Add this solution to the sanitizer cartridge left from Step E. A small, plastic household funnel or the dropper provided in Kineticco's sanitization kit may aid in adding solution to the cartridge. Be sure to thoroughly wash the funnel before using for any other purpose. Add enough clean water to this cartridge to fill it and install it to the prefilter head **7**.

- H. Disconnect the tubing from the storage tank valve and put the tubing end into a bucket or pan. Open the cold water supply valve and allow the product water to discharge from the tubing into the bucket or pan for 15 to 20 minutes. This should adequately flush the sanitization solution through the membrane. Close the cold water supply valve after this time. Reconnect the tubing to the storage tank valve. If the tubing end is scarred or scratched, cut away the damaged end before connecting it to the tank.

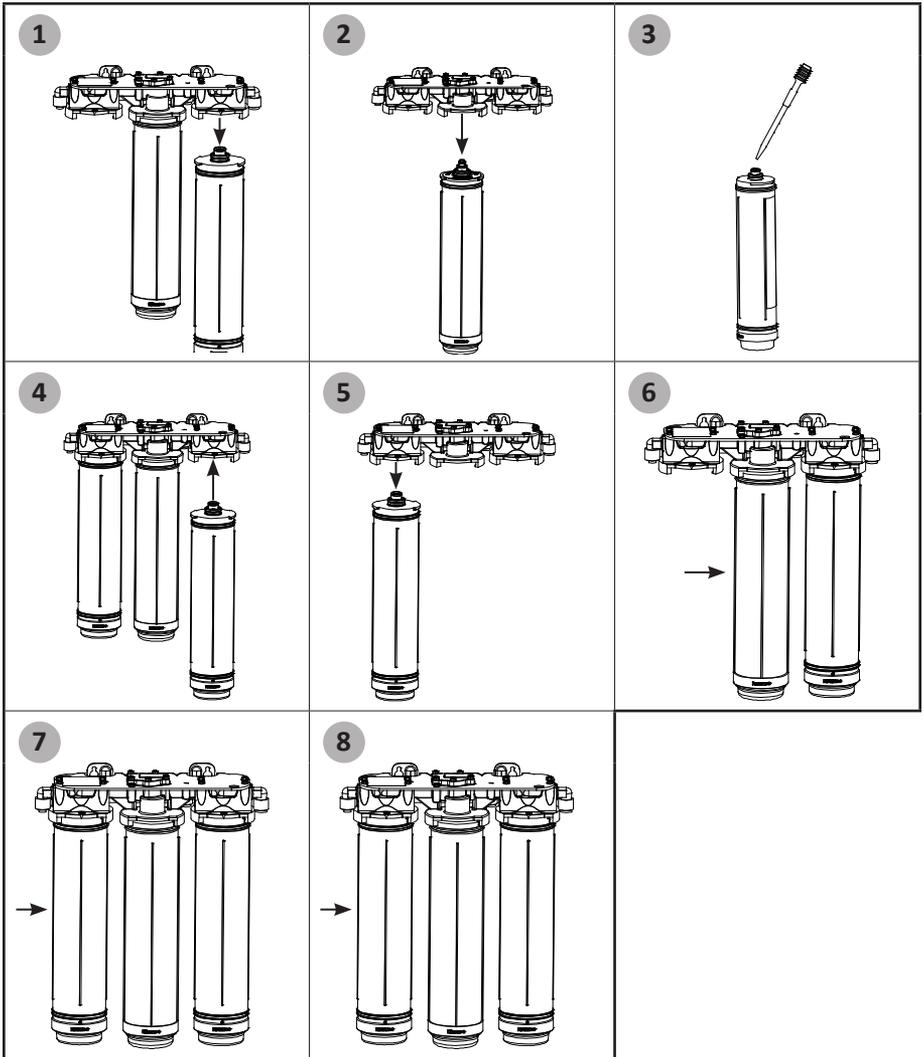
IMPORTANT: *You must properly rinse the membrane sanitizing solution from the membrane. DO NOT drink the water from the system during this rinsing procedure.*

NOTE: *The serial number is located on the data plate that is attached to the inside of the bracket cover. If your system is installed on a chlorinated water supply, use a high capacity carbon/sediment prefilter (Part No. 9461A) to remove the chlorine before the membrane. If your system is installed on a non-chlorinated water supply, use a sediment prefilter cartridge (Part No. 9309A).*

Using a carbon/sediment prefilter on an unchlorinated supply may cause a bacteria/odor problem.

A200 reverse osmosis systems can only be used for arsenic reduction on chlorinated water supplies containing detectable residual free chlorine at the system inlet. This chlorine must be removed with a high-capacity carbon/sediment prefilter (Part No. 9461A).

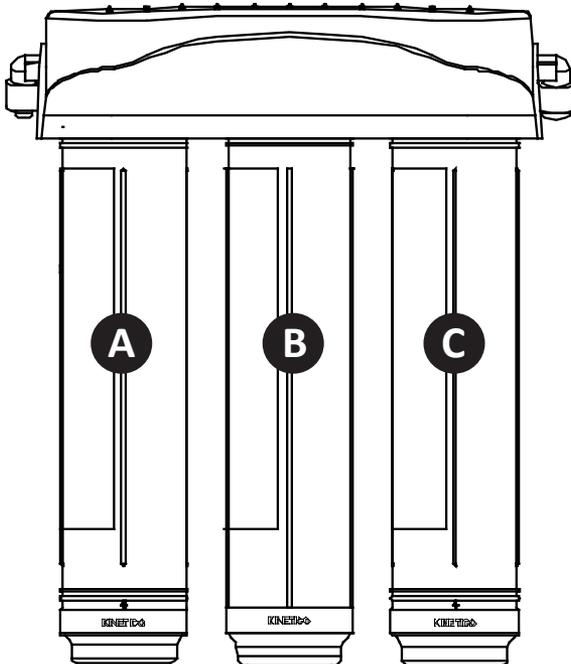
- I. Remove the sanitizer cartridge from the prefilter head on the left-hand side of the system and install the new prefilter cartridge **8**.
- J. Open the tap. Open the cold water supply valve.
- K. Open the valve on the tank. The tank should now be discharging water through the open drinking water tap. This will flush away any carbon fines from the new postfilter cartridge. When the flow slows to a drip, close the tap. Allow the system to fill the storage tank for several hours. Discard the water in the tank after this time. A four (4) tank flush is required per installation instructions. Allow the system to fill the tank and begin enjoying your clean, clear water.



Replacement Filter Cartridges

To ensure optimum performance, continued warranty coverage and that your system continues to comply with WQA certification standards, you must replace the prefilter and postfilter cartridges annually. Replace the RO membrane cartridge when the system stops adequately reducing TDS. TDS performance can be measured by your authorized Kinetico dealer. Use the following chart to determine which filters are appropriate for your system.

Location	Chlorinated Water Supply (City Water or Chlorinated Well)	Non-Chlorinated Water Supply (City Water or Chlorinated Well)
A Prefilter	High Capacity , Carbon / Sediment (Part No. 9461A)	Sediment (Part No. 9309A)
B RO Membrane	A200 RO Membrane Cartridge (Part No. 9428A)	
C Postfilter	Taste and Odor Postfilter (Part No. 9306B)	



System Specifications

TDS Maximum Level:	3000 ppm*
pH Range:	3-11
Pressure Ranges:	35-100 psi (241.3-689.5 kPa)
Temperature Range:	35°- 100°F (2°- 38°C)
Discharge Water/Product Water Ratio:	6 to 1
Rated Service Flow:	1.0 gpm (4.5 Lpm)
Rated Filter Capacity (postfilter):	500 gal (1892.7 L)
Typical Daily Production Rate:	10.9 gpd (41.3 L)
Maximum Daily Production Rate:	30 gpd** (113.5 L)

* Note: TDS levels above 1,500mg/L must have greater than 50 psi.

** Manufacturer’s calculated max. rate with open storage tank, ideal inlet water pressure of 100 psi, temperature of 98°F and 100 ppm TDS conditions.



The A200 Drinking Water System is tested and certified by WQA against NSF/ANSI Standard 42 and 58 for the reduction of claims specified on the Performance Data Sheet. Also conforms to CSA Standard B483.1 - Drinking Water Treatment Systems (Refer to the Performance Data Sheet for individual contaminants and reduction performance).

Dealer Name: _____

Dealer Address: _____

Web Address: _____

Email Address: _____

Dealer Phone: _____

Salesperson's Name: _____

Serial Number: _____

Other Equipment: _____

Model Number: _____

Date Installed: _____

Number of People in Household: _____

Hardness: _____ gpg

Ferrous Iron: _____ ppm

Ferric Iron: _____ ppm

pH: _____

TDS: _____ ppm

Temperature: _____

Pressure: _____

Hydrogen Sulfide (H₂S): _____ ppm

Notes
