Important
The Drinking Water Filter with MACguard will not make biologically unsafe water safe to drink since activated carbon will not kill bacteria. When applying the filter to non-chlorinated water supplies, additional treatment steps may be necessary to assure the water’s bacterial makeup is compatible with activated carbon final treatment.

Do not use with water that is microbiologically unsafe or of unknown quality without adequate disinfection before or after the system.

NOTE: Read all steps, guides and rules carefully before installing and using the Kinetico Drinking Water Filter with MACguard.

PRE-INSTALLATION CHECKLIST

Before starting installation, check the contents of the box for the following components: See Figure 1

► Drinking water faucet assembly*, consisting of:
  • Faucet base assembly (1)
  • Faucet spout (1)
  • Small black rubber gasket (1)
  • Chrome escutcheon (1)
  • Large black rubber gasket (1)
  • Black locating washer (1)
  • Metal washer (1)
  • 9/16" brass nut (1)
  • MACguard head with bracket (1).

► Taste and odor reduction cartridge Product No. 9306B for Model 7000 (1).

► Lead, VOC, and cyst reduction cartridge Product No. 9308A for Model 7500 (1)

► Decorative cover with PureMometer® indicator window (1)

► Tubing hook-up kit, consisting of:
  • 5/8" bracket mounting screws (2)
  • 1/4" tube x 1/4" tube faucet connector (1)
  • 3/8" tube x 3/8" tube x 1/4" tube tee (1)
  • 1/4" NPT x 1/4" tube elbow (1)
    (Model 7500 uses flow control elbow)
  • 1/4" NPT x 1/4" tube elbow shutoff valve (1)
  • 1/4" O.D. tubing (not pictured)

* Included with certain models only.
Installation Instructions

INSTALLATION INSTRUCTIONS

Installation must comply with state and local codes and regulations.

Tools/Items Required

- Utility knife or tubing cutter
- Teflon® tape
- Pliers
- Drill
- Phillips-head screwdriver
- 9/16" Wrench or basin wrench

NOTE: It is recommended that before purchasing a water treatment unit, you have your water tested to determine your actual water treatment needs.

The Kinetico Drinking Water Filter with MACguard must be mounted in a vertical position, and the total hookup distance should be limited to not more than 15 feet.

1. (For systems installed with a faucet.)
   Determine the best location for the drinking water faucet on the sink using an existing sprayer hole or other pre-drilled hole. If you have to disconnect and remove your faucet sprayer, follow the instructions provided by the faucet manufacturer.

   **WARNING**
   If you do not have an existing hole that can accommodate the drinking water faucet, you will have to drill one yourself or have one professionally drilled. Do not attempt to drill a hole into your sink unless you have previous experience doing so and have the necessary tools. Contact the manufacturer of your sink for instructions on how to drill a separate hole. If you need further assistance, your local Kinetico dealer can install the system for a nominal charge.

   Follow these steps to install the faucet on the sink top.
   - Slide the small black rubber gasket onto the threaded shaft on the faucet base.
   - Slide the chrome escutcheon onto the threaded shaft to the small black rubber gasket.
   - Slide the large black rubber gasket onto the threaded shaft to the escutcheon.
   - Insert these assembled parts into hole in sink top.
   - Working from under sink, slide plastic locating washer (small diameter up) onto threaded shaft and hold in place.
   - Slide metal washer onto threaded shaft and hold in place against locating washer.
   - Thread the 9/16" brass nut onto the threaded shaft. Hold faucet base on sink top firmly and tighten nut up to the metal washer.
   - Remove plastic tubing insert from top of faucet base. Firmly insert the spout into the faucet base.

   ![Faucet Installation Diagram]
Kinetico Drinking Water Filter
with MACguard®
Undersink Models 7000 and 7500

Installation Instructions

CAUTION
Over tightening of any threaded fitting could result in damage to the fitting or the filter head.

2. Apply Teflon tape to the plastic male elbow (See Figure 2), and install it into the outlet on the right side of the filter head/bracket assembly (See Figure 3).

![Flow Control Elbow](image1)

![Standard Elbow](image2)

Figure 2. Elbows

Figure 3. Elbow Installation

NOTE: Model 7500 uses a Flow Control elbow to ensure your water has adequate contact time with the carbon inside of the filter cartridge. Model 7000 uses a standard elbow.

3. Apply Teflon tape to the male end of the shutoff valve provided and install it into the inlet on the left side of the filter head (See Figure 4). Hand tighten the valve until it is firmly in place.

![Shutoff Valve](image3)

Figure 4. Shutoff Valve Installation
4. Remove the plastic wrapping from the filter cartridge. Remove the small plastic cap from the top of the filter cartridge (See Figure 5). Install the cartridge into the filter head/bracket assembly by firmly inserting it and rotating it counterclockwise until it stops.

![Figure 5. Filter Cartridge Cap Removal](image)

5. Determine the desired location for the filter system. It should be easily accessible for cartridge replacement. Be sure to leave adequate clearance under the filter to facilitate cartridge changes and allow for easy viewing of the PureMometer filter life indicator.

NOTE: Do not install in direct sunlight. The screws provided are for use with structurally sound wood surfaces. You may need other mounting hardware if you are mounting on other surfaces.

**Warning**

Do not use the fittings provided on chrome tubing. If your plumbing type requires different fittings than those provided, you may obtain them at a local hardware store or home improvement center.

6. Using the bracket mounting screws, mount the filter system in the location you have chosen (See Figure 6).

7. Locate the cold water line you will tap into to supply water to the filter system. DO NOT USE THE HOT WATER LINE. Turn off the water to the cold water feed line. Plumb in a hookup with the ability to connect to ¼” tubing (See Figure 7). A tee fitting is provided to accommodate most installations.

NOTE: The installation must comply with state and local codes and regulations.

**SPECIFICATIONS:**

- **Service Flow Rate:** Model 7000: 3.75 Lpm (1.0 gpm)  
  Model 7500: 2.84 Lpm (0.75 gpm)
- **Min./Max. Operating Pressure:** 137.9 - 827.4 kPa (20 - 120 psi)
- **Min./Max. Operating Temperature:** 2 - 38°C (35 - 100°F)
- **Capacity:** 1,892 L (500 gal)
Installation Instructions

8. Insert one end of the ¼" tubing provided into the ¼" outlet on the fitting plumbed into the cold water line (See Figure 8). You may need to trim the length of the tubing to accommodate your installation. Insert the other end into the elbow/shutoff valve fitting on the inlet on the left side of the filter head/bracket assembly (See Figure 9).

9. Push one end of the ¼" tube x ¼" tube faucet connector onto the ¼" tubing that is attached to the faucet assembly (See Figure 10).

   **Note:** Depending on the installation, the tubing that is attached to the faucet assembly may reach the outlet elbow of the filter head/bracket assembly without using the faucet adapter and an extra length of tubing. Be sure this line is not pinched or stressed at the fittings.

10. Install a length of ¼" tubing from the faucet connector into the outlet elbow on the right side of the filter head/bracket assembly (See Figure 11).
11. Turn on the water to the cold water feed line. Open the shutoff valve on the system (See Figure 12).

12. Open the drinking water faucet for approximately 15 minutes to purge any air and carbon fines (particles) from the system. Carbon fines are present in all carbon cartridges and are a result of normal manufacturing.

13. Close the drinking water faucet and check all connections for leaks.

14. Place decorative cover onto filter head/bracket assembly (See Figure 13).

Replacement filter cartridges are available from your local authorized Kinetico dealer, at www.kinetico.com or by calling 1-800-944-WATER (9283).