

## **Kinetico Arsenic Guard Filtration System**

Congratulations for choosing Kinetico to improve the quality of your water. You will immediately begin to notice the numerous benefits of having quality water throughout your home and the benefits of having a Kinetico Quality 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.

## **System Introduction**

The Kinetico Arsenic Guard Filtration System was designed to reduce arsenic levels in your water supply to drinking water standards. The system uses two tanks operating in series to provide optimum contact time between your water and the UltrAsorb<sup>™</sup> filtration media. The UltrAsorb media in your system was specifically selected for your water conditions and provides water essentially free of arsenic. The system also utilizes the Kinetico Mach<sup>®</sup> Series water distribution system to provide easy monitoring, maintenance and management of your water.

## **How the System Works**

The system directs your water supply to the cartridge filter first to remove sediment and other solid material from the incoming water. Then the water passes in and out of the first media tank for the initial removal of arsenic. Water from the first tank is then sent to the second media tank for additional contact polishing of trace arsenic amounts.

## **Operating instructions**

### **For Filtered Water**

Set the system by-pass handle to the position labeled "Service" (green symbol). Water is automatically directed through the cartridge filter and media tanks for arsenic removal.

### **For Unfiltered Water**

Set the system by-pass handle to the position labeled "By-pass" (yellow symbol). Water is directed around the system without being filtered for arsenic.

---

## Maintenance

### Cartridge Filter

The cartridge filter will require cleaning or replacement when you notice a drop in pressure. To clean / change the cartridge filter:

1. Turn the system by-pass handle to the "By-pass" (yellow symbol) position.
2. Open the pressure relief valve on the top of the filter outlet.
3. Remove the filter housing by turning it clockwise with two hands, and rinse with water.
4. Remove and clean or replace the cartridge by turning it clockwise.
5. Install clean or new cartridge by turning it counterclockwise on the filter head.
6. Clean and inspect the housing seal near the top, and lubricate with silicone<sup>1</sup> if needed.
7. Install the housing by turning it counterclockwise until it stops.

**IMPORTANT** - Check alignment of arrows on housing to assure proper assembly.

8. Close the pressure relief valve on the top of the filter outlet.
9. Turn the system by-pass handle to the "Service" (green symbol) position.

### Filtration Media Replacement

The UltrAsorb filtration media has a finite capacity for arsenic reduction and must be replaced periodically. The frequency of media replacement is determined by influent water quality, the size of the media beds and your total water consumption.

## When to Call for Service

### Water Testing

In order to assure system performance, the water quality must be tested periodically. The frequency of testing is determined by influent water quality, the size of the media beds and your total water consumption. Contact your authorized Kinetico dealer for the recommended water tests at the intervals suggested.

### UltrAsorb Filtration Media Replacement

When the capacity of the filtration media has been reached, the media must be replaced. Contact your authorized Kinetico dealer for this service.

**NOTE:** Some state or local codes do not allow the use of by-pass valves on systems. Consult your Kinetico dealer for information.

---

<sup>1</sup> USE A SILICONE LUBRICANT ONLY. The use of any other lubricant, including a petroleum-based lubricant, to install the O-rings is not in accordance with Kinetico's installation recommendations and may void the applicable Limited Warranty.