

# INSTALLATION INSTRUCTIONS

### System Specifications

Service Flow Rate:	2.84 Litres/min
Min/ Max Operating Pressure:	137.9 - 827.4 Kpa (20 - 120 psi)
Min/ Max Operating Temperature:	2°C - 38°C (35°F - 100°F)

### Important

The Kinetico Scale Reducing Filter will not make biologically unsafe water safe to drink as the media inside 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.

## SAFETY / INSTALLATION GUIDELINES

**NOTE:** Read all steps, guides and rules carefully before installing and using the Kinetico Scale Reducing Filter.

## PRE-INSTALLATION CHECKLIST

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

- Drinking water tap assembly, consisting of:
  - Tap base assembly (1)
  - Tap 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)
- Tubing hookup kit, consisting of:
  - 5/8" bracket mounting screws (2)
  - 1/4" tube x 1/4" tube tap connector (1)
  - 1/4" NPT x 1/4" tube elbow with flow control (1)
  - 1/4" NPT x 1/4" tube elbow shutoff valve (1)
  - 1/4" O.D. tubing (not pictured)
  - Saddle valve (not pictured)
- Filter head with bracket (1).
- Taste, odour and scale reduction cartridge (Product No. 11609B)

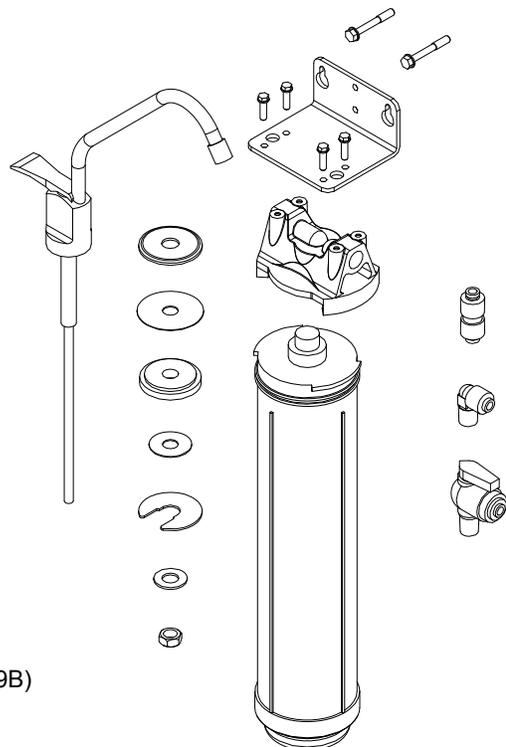


Fig. 1. Typical Package Contents

**IF ANY ITEMS ARE MISSING PLEASE CALL FREEPHONE 0800 015 1380 BEFORE ATTEMPTING THE INSTALLATION.**

## INSTALLATION

Installation must comply with all applicable codes and regulations.

### Tools/Items Required

- Utility knife or tubing cutter
- Teflon<sup>®</sup> tape
- Pliers
- Drill & 15mm drill bit
- Phillips-head screwdriver
- 9/16" Wrench or basin wrench

### Installation Procedure

*Mount the Kinetico Scale Reducing Filter in a vertical position, and limit the total hookup distance to not more than 15 feet.*

1. Determine the best location for the drinking water tap on the sink or countertop.

#### WARNING

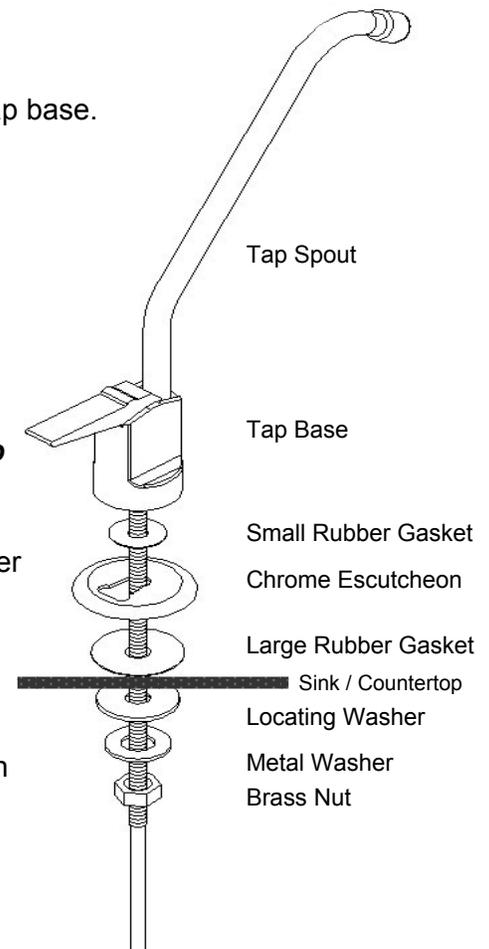
**IF YOU DO NOT HAVE AN EXISTING HOLE THAT CAN ACCOMMODATE THE DRINKING WATER TAP, YOU WILL HAVE TO DRILL ONE YOURSELF OR HAVE ONE PROFESSIONALLY DRILLED. DO NOT ATTEMPT TO DRILL A HOLE INTO YOUR SINK UNLESS YOU HAVE PREVIOUS EXPERIENCE DOING SO AND HAVE THE NECESSARY TOOLS. CONTACT THE MANUFACTURER 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 tap on the sink/countertop.

- Slide the small black rubber gasket onto the threaded shaft on the tap 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/ countertop.

**Note:** *It will be helpful at this time to have an assistant hold the tap base on the sink/countertop.*

- 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 tap base on sink/countertop firmly and tighten nut up to the metal washer.
- Remove plastic tubing insert from top of tap base. Firmly insert the spout into the tap base.

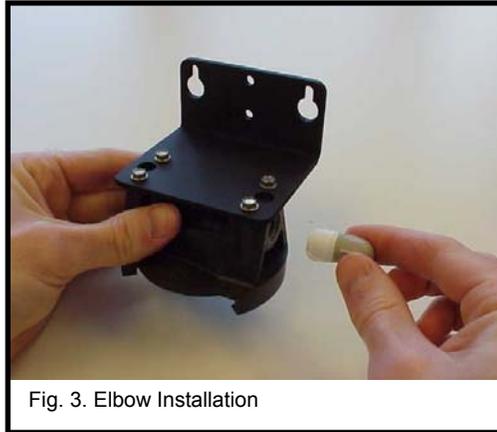


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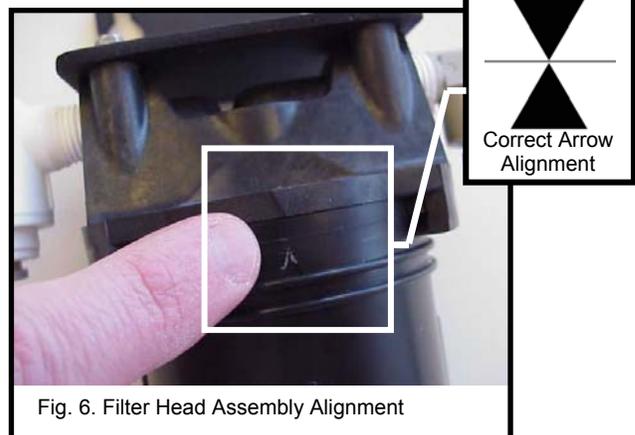
## CAUTION

OVER TIGHTENING OF ANY THREADED FITTING COULD RESULT IN DAMAGE TO THE FITTING OR THE FILTER HEAD.

- Apply Teflon tape to the threaded male side of the plastic elbow (Figure 2), and install it into the outlet on the right side of the filter head/bracket assembly (Figure 3). Hand tighten until it is firmly in place.



- Apply Teflon tape to the threaded male end of the shutoff valve provided and install it into the inlet on the left side of the filter head (Figure 4). Hand tighten the valve until it is firmly in place.
- Remove the plastic wrapping from the filter cartridge. Remove the small plastic cap from the top of the filter cartridge (Figure 5). Install the cartridge into the filter head by firmly inserting it and rotating it until the arrows on the cartridge top and filter head are aligned (Figure 6).



- 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.**

**NOTE:** Do not install in direct sunlight.

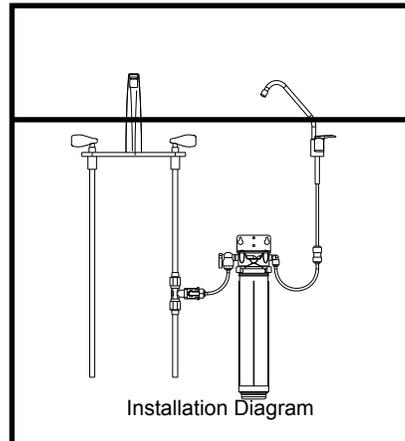
**INSTALLATION INSTRUCTIONS**

*The screws provided are for use with structurally sound wood surfaces. You may need other mounting hardware if you are mounting on other surfaces.*

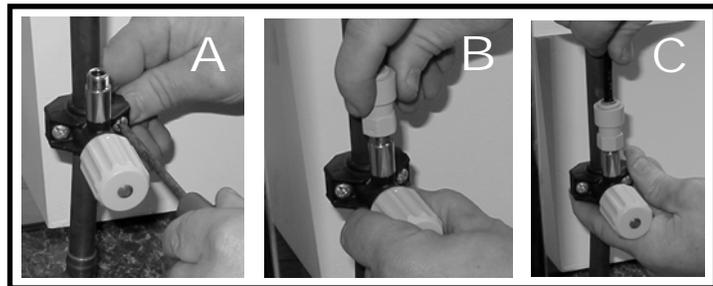
6. Using the bracket mounting screws, mount the filter system in the location you have chosen (Figure 7).



Fig. 7. Filter Bracket Installation



7. Locate the cold water pipe you will tap into to supply water to the filter system. **DO NOT USE THE HOT WATER PIPE.** Turn off the water to the cold water feed pipe. Attach (A) self piercing saddle valve to the cold water pipe per instructions included within the valve packaging ensuring you have adequate room to connect the 1/4" tubing. Attach connector (B) to the saddle valve and insert 1/4" tubing (C).



**Note: Installation must comply with all applicable codes and regulations.**

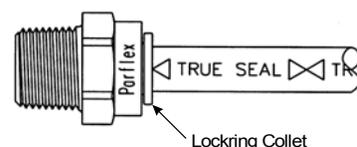
8. Insert the other end of the 1/4" tubing into the elbow/shutoff valve fitting on the inlet on the left side of the filter head/bracket assembly (Figure 8). You may need to trim the length of the tubing to accommodate your installation.



Fig. 8. Cold Water Supply Connection

**Tip for easy installation**

A bow-tie pattern is printed on the tubing to indicate when the tubing is fully inserted. Prepare tubing by cutting through centre of bow tie nearest the end of the tubing. When tubing is properly inserted, only half of the next bow tie will appear. To remove, depress the lock ring collet and pull tubing out. **Do not use with metal tubing.**

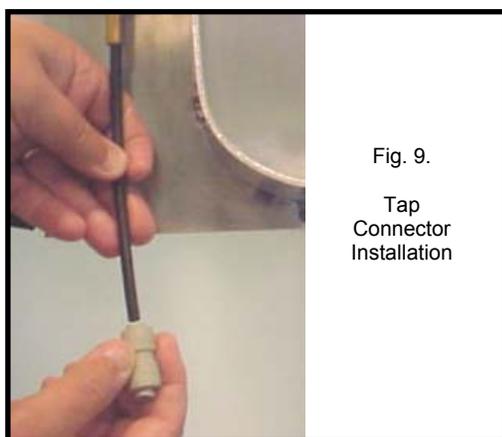


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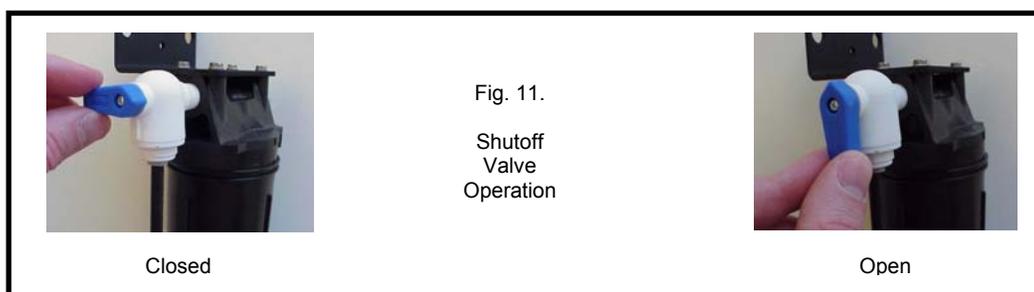
9. Push one end of the 1/4" tube x 1/4" tube tap connector onto the 1/4" tubing that is attached to the tap assembly (Figure 9).

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

10. Install a length of 1/4" tubing from the tap connector into the outlet elbow on the right side of the filter head/bracket assembly (Figure 10).



11. Turn on the water to the cold water feed pipe. Open the saddle valve to feed water to the filter (if it is not already opened). Open the shutoff valve on the system inlet (Figure 11).



12. Open the drinking water tap for approximately 5 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 tap and check all connections for leaks.

Replacement filter cartridges are available from your local authorised Kinetico dealer.