

### Tools Required

Screwdriver, Adjustable Wrenches, Pencil, File, Pipe Cutter or Hacksaw.

### Materials Required

Depends on type, size, and location of pipe on which system will be installed. See instructions that relate to your particular installation, or consult your local hardware store or plumbing supplier to find out more about your particular installation needs.

### Precautions

1. It's important to seat the O-ring properly in the groove or water leakage may occur.
2. The filter must be protected against freezing. Failure to do so may result in cracking of the filter and water leakage.
3. FOR COLD WATER USE ONLY (40-100°F), DO NOT INSTALL ON HOT WATER.
4. Do not use with water that is microbiologically unsafe or of unknown quality.
5. Do not install if water pressure exceeds 90 psi (for big filter housing) and 125 psi (for standard housing). If your water pressure exceeds the maximum pressure, you must install a pressure limiting valve.
6. For prolonged periods of non-use (such as during a vacation), it is recommended that the system be flushed thoroughly. Let water run for 5–6 minutes before using.
7. The filter cartridge has a limited service life. A decrease in water flow indicates that the cartridge should be replaced.

### Whole House Installation

(1/2 inch or 3/4-inch main cold water line)

#### Materials Required:

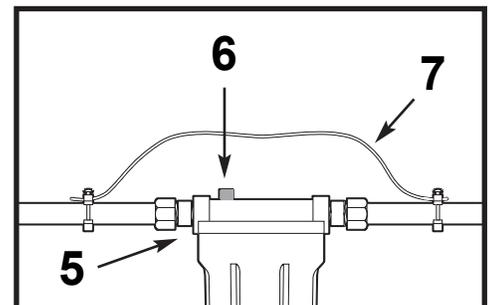
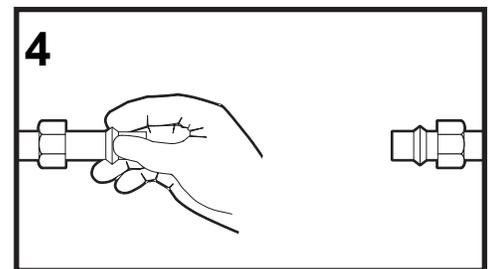
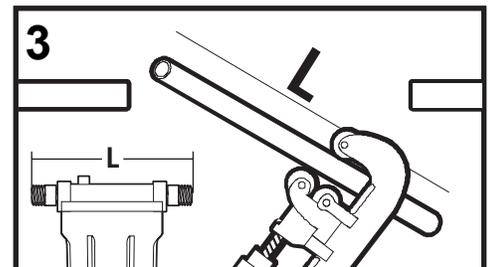
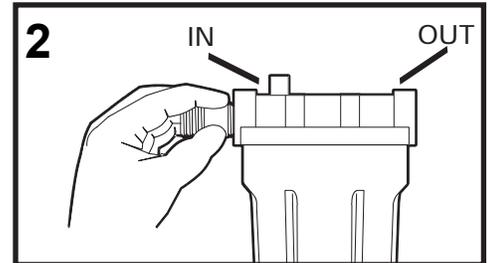
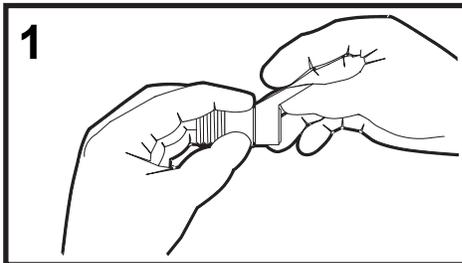
3/4-inch or 1-inch NPT compression fittings

Teflon® tape

Reducing adapters (if necessary)

#### NOTES:

- Reducing adapters can be used to adapt the filter to different pipe sizes. See your local hardware store or plumbing store for help in selecting the necessary adapters and compression fittings for your installation needs.
  - Galvanized fittings must be used with installation on galvanized pipe.
  - Filter must be installed after water meter or pressure tank.
1. Turn off cold water supply and open nearest faucet to drain pipes before starting installation. Wrap about 6 inches of tape in clockwise direction around pipe threads of each compression fitting.
  2. Start compression fittings into cap by hand and use a wrench to tighten firmly. DO NOT OVERTIGHTEN. Remove compression nuts from fittings.
  3. Measure length (shown as L on Figure 3) across assembled fittings and subtract 1 inch if you are installing on 3/4-inch pipe or 1-1/2 inches if you are installing on 1/2-inch pipe. Mark section of pipe to be removed. Use a pipe cutter or hacksaw, cut pipe and remove marked section of pipe. File or sand sharp edges on remaining pipe.
  4. Slip compression nut and ferrule onto each end of pipe.
  5. Align filter assembly with ends of pipe, making certain cap opening marked "IN" is facing your incoming water supply. It will be necessary to spread ends of pipe apart to install filter assembly. Using two adjustable wrenches, hold incoming adapter securely with one wrench and tighten nut with second wrench. Repeat process for outgoing adapter.
  6. Slowly turn on the water supply to allow filter to fill with water, pressure-relief button on top of filter to release trapped air. Open nearest faucet and flush water through cartridge for 5 minutes. Check for leaks before leaving installation.
  7. CAUTION: If water pipes are used to ground electrical systems, appliances, or phones, be certain to install a jumper wire. Contact a qualified electrician with any questions about your home's electrical system.



## Undersink Installation (3/8-inch cold water line)

### Materials Required:

- Teflon<sup>®</sup> tape
- Plastic tubing
- (2) 3/8-inch compression fittings
- (2) 3/8-inch compression elbows (with ferrules and tubing inserts)
- (2) 3/8-inch to 3/4-inch & 1-inch NPT reducing adapters

### NOTE:

- Reducing adapters can be used to adapt the filter to different pipe sizes. See your local hardware store or plumbing store for help in selecting the necessary adapters and compression fittings for your installation needs.
1. Turn off cold water supply and open nearest faucet to drain pipes before starting installation. Place a tray or towel under the cold water line to catch excess water. Wrap about 6 inches of tape in clockwise direction around pipe threads of each fitting /adapter.
  2. Attach the mounting bracket:  
Mark location under sink where filter is to be mounted. Allow 1½ inches under filter to enable cartridge changes.
  3. Assemble fittings/adapters. Start fitting/adapter into inlet of cap by hand, then tighten with a wrench. DO NOT OVERTIGHTEN. About one thread should remain visible. Repeat for outlet on filter cap.
  4. Using a pipe cutter or hacksaw, remove a 3-inch section of pipe from the cold water line. Deburr ends of remaining pipe with a file.
  5. Determine the lengths of tubing needed to connect the inlet and outlet sides of the filter to compression elbows on the cold water line. Measure tubing short enough to prevent kinking. Using two wrenches, tighten compression nuts 1½- to 2-turns.
  6. Turn on water supply to allow filter to slowly fill with water, then press the pressure-relief button on the housing to release trapped air. Open faucet and flush filter with water for 5-minutes. Check for leaks and tighten fittings as needed.

## Cartridge Replacement

- A. Turn off water supply to filter. Depress red pressure-relief button to relieve the pressure, then twist off bottom of housing.
 

**NOTE:** If turning off water supply to filter will also turn off water supply to the rest of the home, be sure to fill a bucket of water first to allow you to clean housing after it has been removed.
- B. Locate and remove large O-ring, wipe clean of lubricant, and set aside. Discard used cartridge. Rinse out bottom of housing and fill about 1/3 full with water. Add about 1 tablespoon of bleach and scrub cap and bottom of housing with nonabrasive sponge or cloth. Rinse thoroughly. Lubricate O-ring with clean silicone grease. Clean groove and connection point on cap. Insert O-ring back into groove and smooth into place with finger.  
Insert new cartridge over standpipe in bottom of housing.
- C. Screw bottom of housing onto the cap and hand-tighten. DO NOT OVERTIGHTEN. Make certain cap standpipe slips into cartridge. Slowly turn on the water supply to allow filter to fill with water and then press the red pressure-relief button on top of the filter to release trapped air. Open faucet and flush filter with water for 5-minutes. Check for leaks before leaving installation.

