

# FILTER KIT

## EWF112, TWF112 WATERSENTRY™ I KIT (Sediment, Taste & Odor Reduction)

## EWF152, TWF152 WATERSENTRY™ V KIT (Lead, Sediment, Taste & Odor Reduction)

These filter kits are designed to be used with the following Elkay and Cordley/Temprite products.

1. EDS, TDS, EDG, TDG, EDH, TDH Series Point-of-Use Water Coolers.
2. EBS, TBS Series Water Coolers with FV-122 Float Kits.
3. LKH-190 Hot Water Dispensers
4. LK-2156 Dispensing Valve with or without a chiller unit.
5. LK-1141 Bubbler with or without a chiller unit.
6. Independently in an undersink application. For undersink applications, it is recommended that water be dispensed through a dedicated valve or faucet instead of the sink faucet due to the reduced flow through the filter.

### General Installation Instructions

1. These filter kits must be installed in compliance with all state and local laws and regulations governing the installation and use of this product. Maximum inlet water temperature 100°F (38°C).
2. Mount filter head in a suitable location, using the filter mounting bracket and screws supplied. Allow enough room under the filter head for installation and removal of filter cartridge (13" minimum).
3. Connect the cold water supply to the filter through a shut-off valve and 3/8" O.D. tubing (supplied by the installer). For ease of servicing, the shut-off valve should be located within easy reach of the filter.  
**NOTE: The inlet and outlet fitting supplied as part of the filter head are John Guest Superseal fittings that accept 3/8" O.D. tubing on the filter inlet and 1/4" O.D. tubing on the outlet. They may be used with copper, stainless steel, or semirigid nylon or polypropylene tubing, with a rated working pressure equal or greater than encountered in application. Do not use soft or braided tubing.**
4. **CAUTION: If supply pressure will ever exceed 100 psi, install a pressure regulator to limit the inlet pressure to the filter to 100 psi or below. DO NOT ATTACH HOT WATER LINE TO FILTER.** To make connections on the filter head, loosen locknut. Push the tube end past both o-rings to a positive stop in the filter head recess - approx. 1", locknut may have to be backed out a little more. Screw the locknut hand tight to seal (See Fig. 1). Ends of tubing must be cut square and free of burrs and sharp ends that could cut or nick the o-rings.
5. Connect the outlet of the filter to the inlet of the union using the 1/4" O.D. poly tubing and 1/4" union supplied.
6. Remove filter from carton, remove protective cap, attach filter to filter head by firmly inserting into head and rotating filter clockwise.
7. Follow the applicable instructions below for correct flushing procedure and to complete the installation. The flushing procedure must be followed to purge air and fine carbon particles from the system.

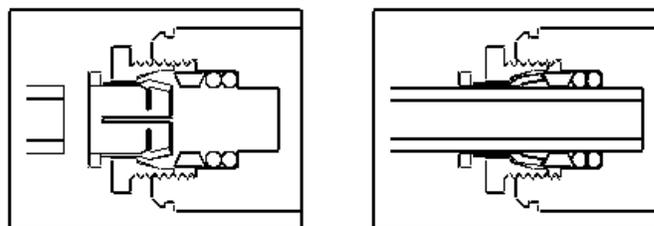


FIG. 1

### OPERATION OF QUICK CONNECT FITTINGS

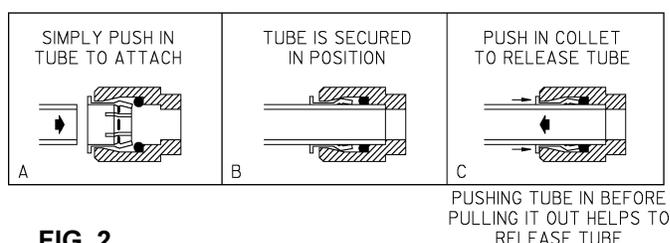


FIG. 2

8. Read and follow instruction for the installation of the product to be used with the filter kit.

### EDS Series Point-of-Use or EBS Series water cooler with FV-122 float kit.

1. If water reservoir contains any water, drain completely through cold water faucet.
2. Turn on water supply and immediately open cold water dispensing faucet on cooler, holding faucet open until approximately 1 gallon of water is dispensed. This flushing procedure purges air and fine carbon particles from the filter. When 1 gallon of water has been purged through the cooler, allow the faucet to close and the reservoir to fill.
3. Carefully inspect all water connections for leaks.
4. Dispense approximately 1/2 gallon of water through the hot faucet. Unit is now ready for operation.

### LKH-190 Hot Water Dispenser, LK-2156 Dispensing Valve with or without a chiller tank, LK-1141 Bubbler with or without a chiller unit, under sink application.

1. Open inlet water supply valve, open dispensing valve or bubbler and allow approximately 1 gallon of water to be dispensed. This flushing procedure purges air and fine carbon particles from the filter.
2. Turn dispensing valve off and carefully inspect all water connections for leaks.
3. Unit is now ready for operation.

**Filter Replacement\***

1. Turn inlet water valve off.
2. Open dispensing valve to relieve pressure build-up in the system.
3. Remove filter from head by rotating filter counterclockwise.
4. Remove new filter from carton, remove protective cap; cap may be placed on old filter to reduce the chance of water spilling from filter housing.
5. Attach filter to filter head by firmly inserting into head and rotating filter clockwise.

**\*Optional Filter Monitor (Part No. 92640-C)**

counts gallon usage and provides an audible alert when filter needs replacement. Alert is sounded only when water is being dispensed; beeping is not continuous. Requires 9VDC alkaline battery.

**NOTE:** The filter head contains an automatic shut-off valve that stops the flow of water. If the filter is removed inadvertently without shutting off the incoming water.

Listed below are filters that will fit into the filter head supplied with this dit. The labels on the filters are color-coded as noted. Make certain that the correct filter is being used for application. See Performance Data Sheet supplied with each filter for complete list of claims.

<b>Table A</b>		
<b>5 (PLA&amp; (M (1 T) ,LT( 5 S</b>		
<b>Part No.</b>	<b>Color</b>	<b>Description</b>
51295C	White	Filter Lead Reduction C.T.O
51296C	Light Blue	Filter Chlorine, Taste, Odor, and Sediment Reduction
51297C	Pink	Filter VOC, Taste, Odor, and Sediment Reduction

Table B lists the approximate inlet pressure to the filter at which the flow rate through the system will exceed 0.5 gallons per minute with a new filter installed.

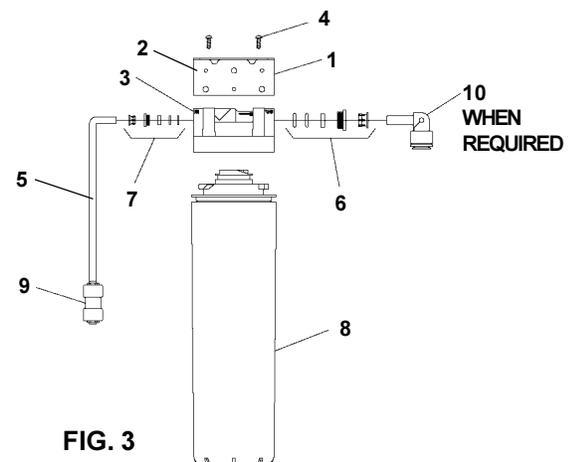
**Table B**

<b>Filter Connected To:</b>	<b>Pressure At Which Flow Exceeds .5 gpm</b>
LKH-190 + Faucet	34 psi
LK-2156 + ERS1	18 psi
LK-2156	15 psi
LKH-1141 set @ full flow	15 psi
LKH-1141 set @ .5 gpm @ 60 psi	60 psi
LKH-180 + Faucet	53 psi
Float Assembly	45 psi
Filter Alone	3.0 psi

NOTE: In order for the filter to meet the specification in the Performance Data Sheet, the water flow through the filter cannot exceed .55 gpm. If the flow exceeds this flow rate, install a flow restrictor, Elkay Part No. 50967C, to limit the flow to .5 gpm.

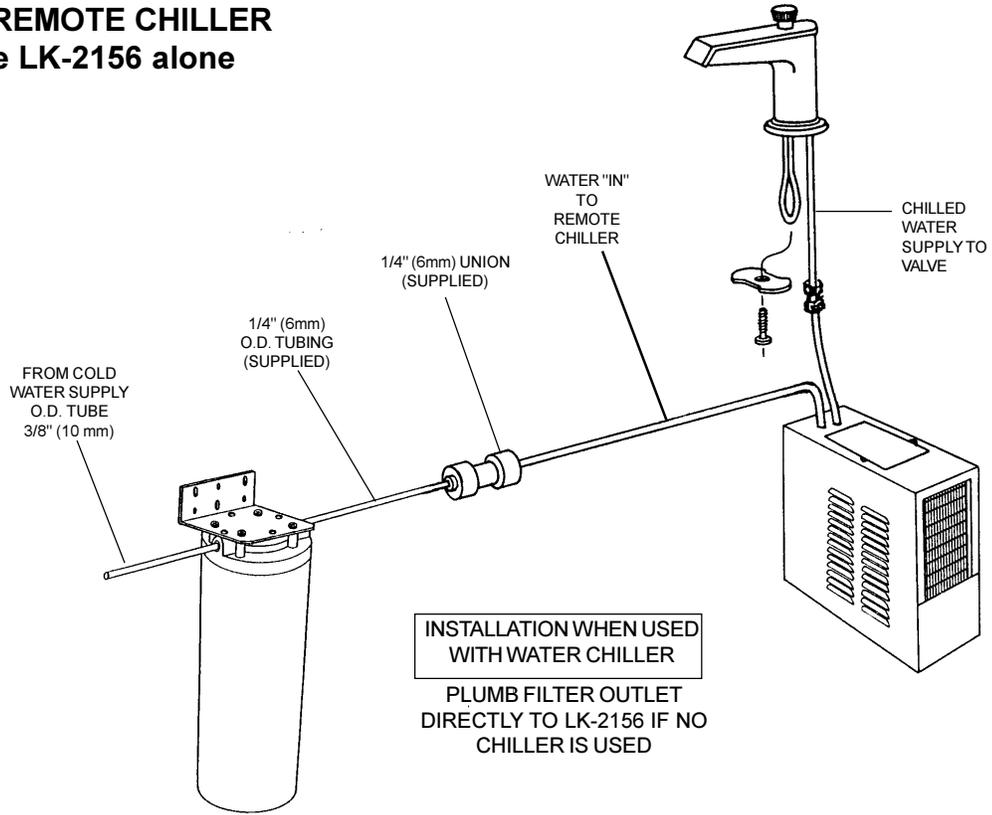
<b>ITEMIZED PARTS LIST</b>		
<b>Item No</b>	<b>Part No.</b>	<b>Description</b>
1	22490C	Bracket - Filter Mounting
2	38417002	Screw #8-18 x .50 (13mm) LG. HHSM
3	51469C	Filter Head & Bracket Assembly
4	70792C	Screw #8-18 x .75 (19mm) LG PH
5	50801C	Tubing - Poly 1/4" (6mm) x 24" LG
6	70823C	Fitting - Superseal 3/8" (10mm)
7	70822C	Fitting - Superseal 1/4" (6mm)
8	See Table "A"	Filter Assembly
9	70683C	Union - 1/4" (6mm)
10	70819C	Elbow Adapter 1/4" x 3/8"

\*Item No(s): 1, 4, 6, & 7 included with Item No. 3.

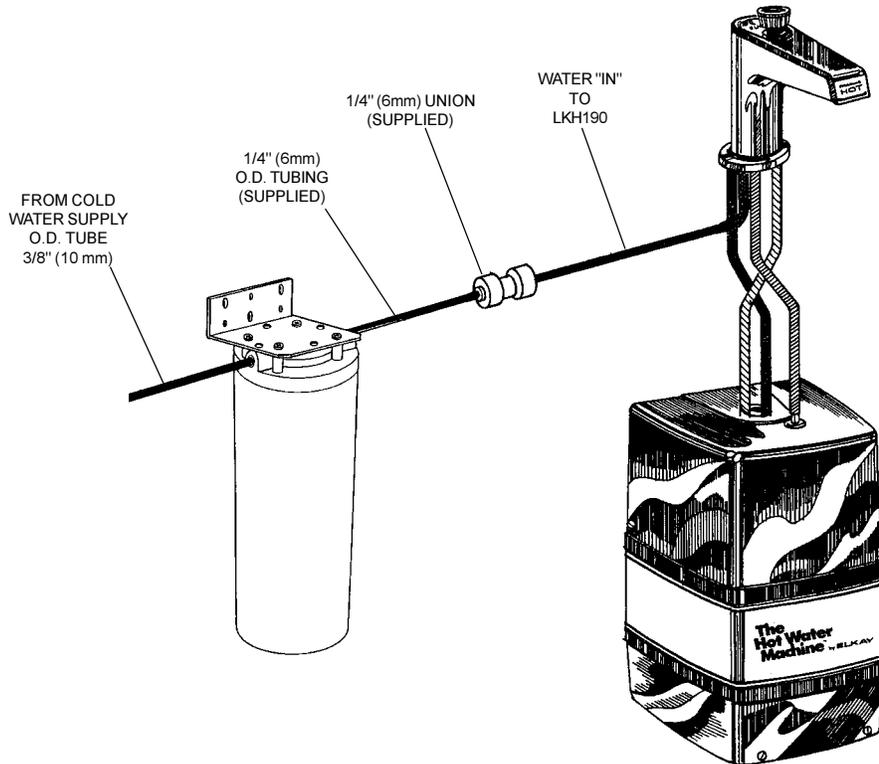


**FIG. 3**

**LK-2156 & REMOTE CHILLER  
(Alternate LK-2156 alone)**



**PICTURE OF LKH-190 HOOK-UP**



**See page 4 for replacement information.**

