



INSTALLATION INSTRUCTIONS UNDERSINK CONNECTOR KIT MODEL CK3

(Please read carefully *BEFORE* proceeding. Please save for future reference.)

INTRODUCTION

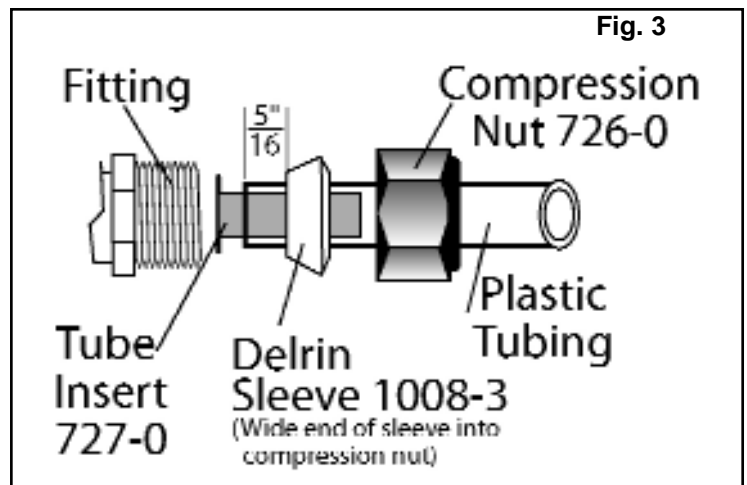
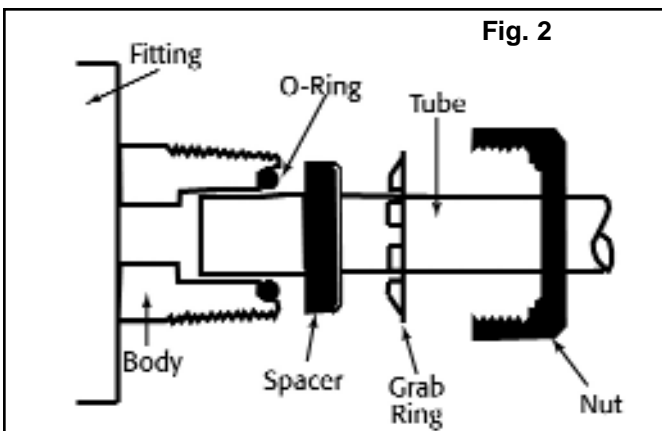
This kit is designed to hook up most water filters (with 3/4" inlet and outlet) to a faucet under a kitchen, bathroom or bar sink. The incoming cold water line must be 1/2" (5/8" OD) copper pipe and the supply tube running to the shank of the faucet must be 3/8" (3/8" OD) copper or plastic tube. If the 1/2" copper cold water line runs right to the shank of the faucet, then you will require a 5/8" compression x 3/8" compression union (available at most plumbing outlets) in place of the 3/8" x 3/8" compression union supplied.

TOOLS REQUIRED

Pipe/tube cutter, two adjustable wrenches or pliers, Phillips screwdriver, knife.

INSTRUCTIONS

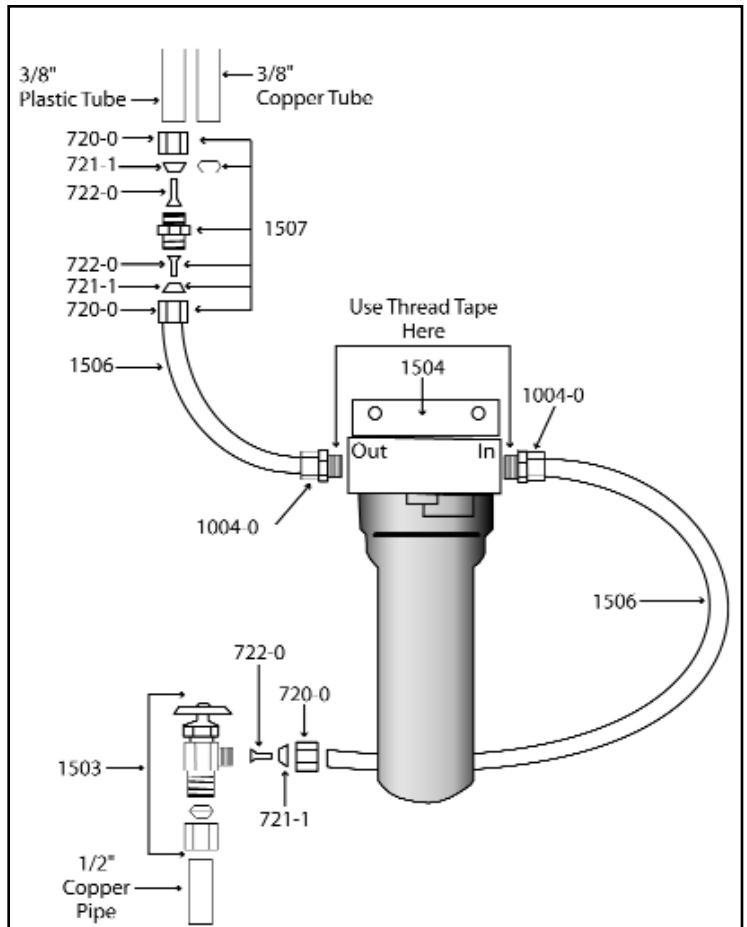
1. Shut off main water supply and drain pipes. This can be achieved by turning on a faucet that is lower than the one you are working on (i.e. laundry tub in basement). Choose and mark place on 1/2" cold water pipe and further up on the 3/8" supply tube where you will cut them.
2. Hold 3/4" x 3/8" straight fitting (1004-0) with 3/4" threaded ends facing you and tightly wrap several turns of thread tape (1501) on each of the 3/4" threads in a clockwise direction. Thread fittings into inlet and outlet of filter head and tighten with an adjustable wrench. **DO NOT OVERTIGHTEN.**
3. Mount bracket (1504) on side of cabinet, using screws provided and sit filter in bracket. Make sure that the tubes (1506) will reach from marks made on pipe and tube to filter inlet and outlet and that the filter housing has 3" clearance above and 3"+ clearance below.
4. Using pipe/tube cutter, cut 1/2" copper pipe and 3/8" copper or plastic supply tube at marked locations and remove burrs. Remove large brass nut and brass sleeve from valve (1503) and slide over 1/2" pipe. Slide valve body onto pipe until it bottoms and with 3/8" outlet arm facing the water filter, tighten the nut securely using the two adjustable wrenches (one to hold the valve body and one to tighten the nut).
5. Loosen nuts on both fittings (1004-0) two turns (until three threads show), **BUT DO NOT REMOVE.** Make a pencil mark 1" from end of one 3/8" x 24" tube (1506). Wet end and firmly push tube into **INLET** fitting hole about 1" until it bottoms on fitting and pencil mark is inside or very near the fitting. **See Fig. 2** for exploded schematics of this fitting if you need to disassemble fitting. **HAND TIGHTEN NUT FIRMLY.**
6. Take second 3/8" x 24" tube (1506) and install 3/8" x 3/8" compression union (1507) on one end, using brass nut (720-0), plastic sleeve (721-1, and tube insert (722-0) (**See Fig. 3**). Be sure to hold tube all the way into fitting while tightening nut using two adjustable wrenches. Make a pencil mark 1" from other end of tube, wet end and firmly push tube into **OUTLET** fitting hole as in Step 5. above. **HAND TIGHTEN NUT FIRMLY.**
7. Hang filter housing on bracket. Connect free end of INLET tube to 3/8" outlet arm of valve (1503) using brass nut (720-0), plastic sleeve (721-1) and tube insert (722-0) (**See Fig. 3**) and tighten using two wrenches. Connect open end of union (1507) on OUTLET tube to 3/8" copper supply tube using brass nut (720-0) and brass sleeve and tighten with two wrenches. **Note:** If 3/8" supply tube is plastic use brass nut (720-0), plastic sleeve (721-1) and brass insert (722-0) (**See Fig.3**) and tighten with wrenches.
8. Ensure that water filter housing is properly assembled and that all connections are tight. Open valve fully and back off one half turn and turn on cold water side of faucet. Turn on main water supply and check for leaks with water running and with faucet off. Tighten fittings and connections if necessary. Remember use both wrenches. To help identify leaks, place a few pieces of dry paper towel under the area and check for water on paper towel.



Parts List

Description	Part #	Qty
Brass Compression Nut	720-0	3
3/8" Plastic Sleeve	721-1*	3
3/8" Tube insert	720-0	3
3/4" x 3/8" Straight Fitting	1004-0	2
Thread Seal Tape	1501	1
5/8" OD x 3/8" OD Valve (complete)	1503	1
Mounting Bracket & Screws	1504	1
3/8" x 24" Pressure Tube	1506	2
3/8" x 3/8" Compression Union (complete)	1507	1

*Note: There are 3 plastic sleeves; one in valve (1503), one in union (1507) and one loose.



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