

ELF-1ML-SYSTEM

Installation

ELF-1ML-System Installation Instructions For 3/8" riser tubes

Step 1. Shut-off cold water supply at the cold water shut-off valve.

Step 2. Relieve the pressure by opening the cold water faucet on the sink.

Step 3. (Optional) Mount the filter to the side of the cabinet with 2 screws. (Not supplied)

Step 4. Cut riser tube a few inches above the cold water shut-off valve using a copper tubing cutter, plastic tubing cutter or razor knife. Make sure tubing has straight cuts on each end.

Step 5. Cut supplied 3/8 plastic tubing into 2 lengths.

Step 6. Connect a supplied 3/8 quick-connect elbow fitting to each length of 3/8 tubing. See diagram.

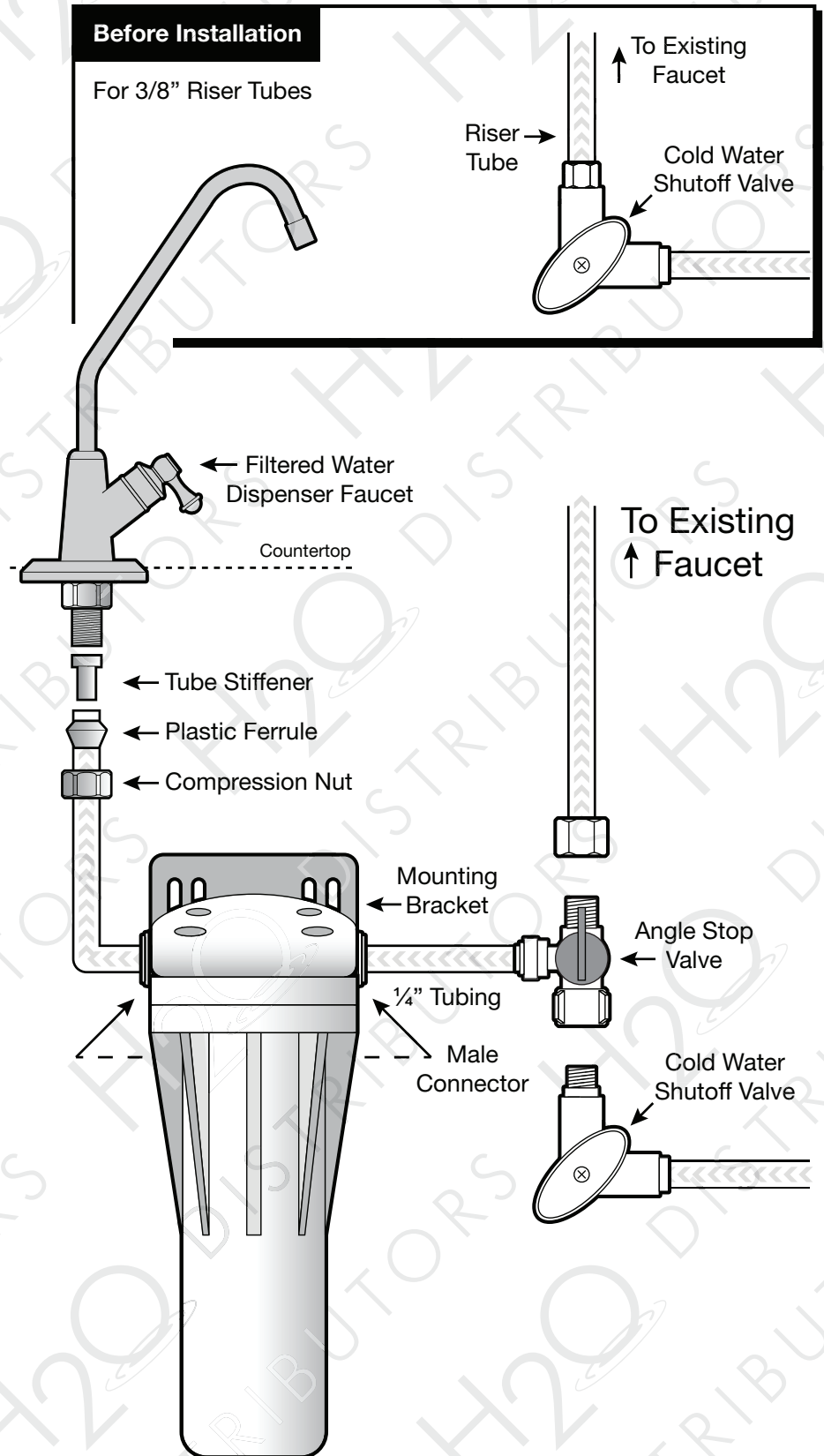
Step 7. Connect the other side of 3/8 quick-connect elbows to each tube end created by the cut made in the riser tube.

Step 8. Connect tube originating from cold water shut-off valve to the inlet port of the filter.

Step 9. Connect the outlet side of the filter to the tubing connected to the riser tube.

Step 10. Turn on the cold water and flush water through the system for 5 minutes.

Step 11. Turn off the faucet and check all connections for leaks.



ELF-1ML Cartridge

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Faucet Installation

If the sink has a sprayer, it may be disconnected for faucet installation. A pipe cap or plug will be necessary to seal the sprayer connection or sprayer can be left connected under the sink.

To make the faucet-mounting hole (if sprayer hole or other existing hole is not used), check below to make sure the drill will not interfere with anything below. A 2" flat surface is required, not exceeding 1-1/4" thickness.

The faucet should be positioned so it empties into the sink and the spout swivels freely for convenience. If the sink has a hole that can accommodate the RO faucet, no drilling is required. Proceed with mounting the faucet.

Installation procedures for Porcelain, Enamel, Ceramic on Metal, or Cast Iron:

Precautions must be taken to penetrate the porcelain through to the metal base and prevent chipping or scratching.

Mark the center with center punch for the 1/4" pilot hole. Carefully drill pilot hole with masonry bit through porcelain and stop when metal shows. (Use light pressure and slow speed). Switch the bit to a standard metal cutting bit to continue to cut through the metal below the porcelain surface. Continue to enlarge the pilot hole with larger masonry & metal cutting bits until the hole is 1/2".

Installation procedures for stainless steel sinks

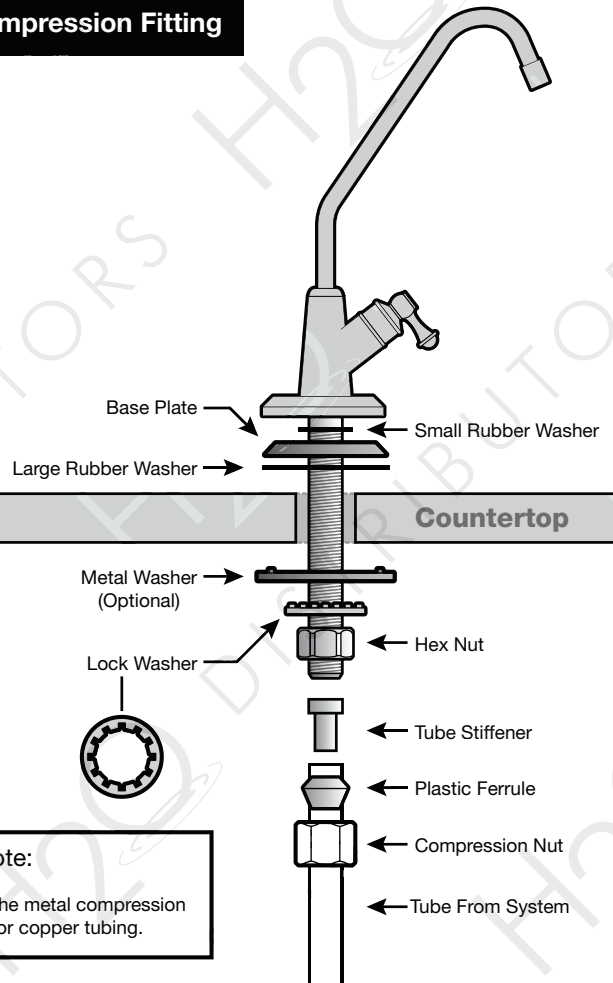
Mark the center with center punch for the 1/4" pilot hole. Drill the pilot hole. Continue to enlarge hole with larger size drill bit until it is 1/2". Clean up sharp edges. Note: Air Gap Faucets are required by some municipalities. These faucets require a 1-1/4" hole in the sink rather than the 1/2" hole required by the standard faucet included with the RO system. To make a 1 1/4" hole to accommodate an air gap faucet requires special tools such as a chassis punch (stainless steel) or a Relton cutter (porcelain) if a large enough hole is not already available. Ask your local dealer for more information.

Mounting the Faucet

Reverse Osmosis Installation - Mounting a Faucet Diagram
Disassemble hardware from the threaded shank. Chrome base plates and rubber washers slide up the shank to the faucet body.

Feed threaded shank through the sink hole and orient the faucet. From below sink, slide lock washer and hex nut over threaded shank and tighten with a wrench.

Compression Fitting



Note:

Use the metal compression ring for copper tubing.

Section 1: Compression Fitting

Step 1. Slide compression nut and sleeve (small side first) over tube.

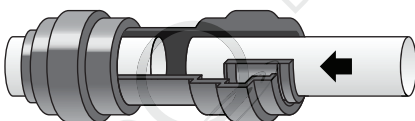
Step 2. Insert tube stiffener into end of the tube.

Step 3. Insert tube into compression fitting and slide sleeve & nut up to threads.

Step 4. Hand tighten & then tighten with a wrench until sleeve is slightly visible through nut.

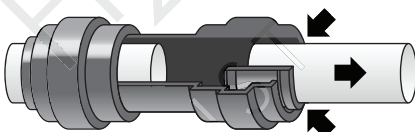
Section 2: Faucet Adaptor Fitting

1.) HOW TO CONNECT QUICK-CONNECT FITTINGS



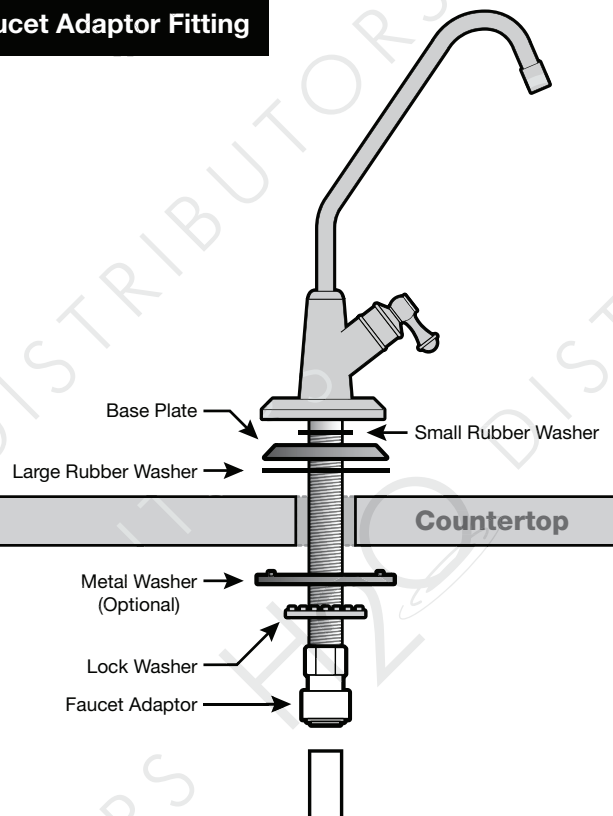
Insert tube and push through the o-ring to the tube stop

2.) HOW TO DISCONNECT FITTINGS



Push in collet against face of fitting and hold. Remove tube. Fitting can be reused

Faucet Adaptor Fitting

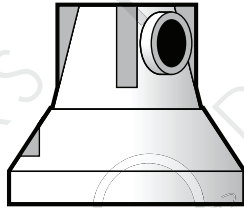


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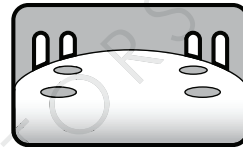
Enclosed Parts List



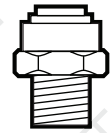
1×
ELF-1ML Block GAC Filter



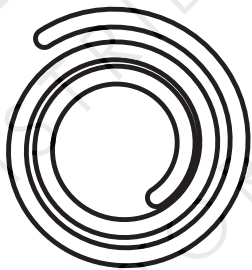
1×
ELF-NVH-CC Head



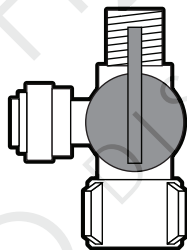
1×
ELF Bracket



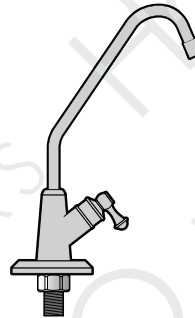
2×
PI010823S Male Connectors



6'
1/4" Tubing



1×
PASVPP1 Angle Stop Valve

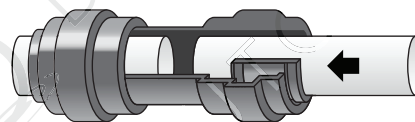


1×
N-109-1-LF Faucet

Replacement Parts:

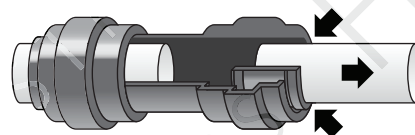
ELF-1ML

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2.) HOW TO DISCONNECT FITTINGS



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