

Buckeye Field Supply

Congratulations on your decision to purchase of a water purification system from Buckeye Field Supply – you’ve made the right choice! In addition to purchasing a Value or Premium system, you may need some accessories to carry water to and from the system.

Water Supply

You’ll need to tap into your home’s plumbing to supply water to the RO or RO/DI system. There are many ways to accomplish this task. Because some are likely to work better than others for your particular installation, Buckeye does not supply one particular option with new systems.

If you’re an avid “do-it-your-selver,” tap into your home’s copper tubing and solder in a valve ending in a ¼” compression fitting. Such valves, copper pipe, and copper fittings are available at any hardware store. Run ¼” tubing from the valve to the sediment filter “in” port.

There are a number of more convenient options that don’t require advanced plumbing skills. Its likely one of the following options will work for you.

Option 1: If there is a hose bib available, for instance near your washing machine, consider using a hose bib adapter to tap into the cold water supply. Use a hose bib adapter that is solid brass or that has a brass insert. A hose bib splitter may also be useful.



Hose bib adapter and hose bib splitter



Option 2: If there is exposed copper pipe available, consider using a self-piercing needle valve.

Option 3: You’ll find faucets are often connected using 3/8” copper or plastic tubing. If you can access this tubing easily, consider using a quick-connect 3/8” x 3/8” x 1/4” reducing tee. With this option, you’ll want to install a quick connect shut-off valve anywhere convenient in the tube between the reducing tee and the “in” port on the sediment filter.

Self-piercing needle valve



Option 4: Under most sinks you’ll find a short length of ½” copper pipe ending in a chrome-plated shut-off valve. It is from a compression fitting on this valve that tubing extends to feed the faucet. In most cases, the threads on the compression fitting are 9/16” male. In this option, simply remove the compression nut, wrap the threads on the shut-off valve with teflon tape, screw on an under-sink adapter, and screw the compression nut back onto

3/8” x 3/8” x 1/4” reducing tee and quick connect shut-off valve



the top of the under-sink adapter. As with Option 3, you'll want to install a quick connect shut-off valve anywhere convenient in the tube between the under-sink adapter and the "in" port on the sediment filter. Because the under-sink adapter can be removed easily and does not require modification to any pipes or plumbing, this option is particularly popular with customers in apartments.



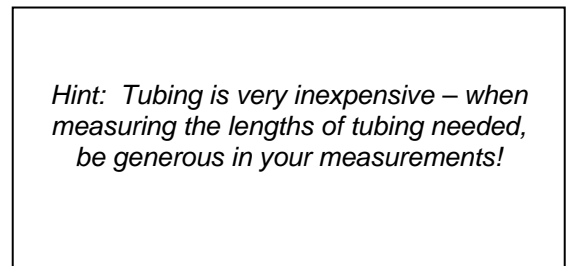
Tubing

With any of the options listed above implemented, you're ready to connect the supply, drain, and purified water tubing to your RO or RO/DI system. The length of tubing runs in each system installation is unique. Sound complicated? No worries! Even the most inexperienced DIY'er can complete this task with ease.

You'll need three lengths of 1/4" tubing:

- one to go from the supply point to the unit,
- one to go from the unit to a drain, and
- one to carry purified water away from the unit.

Simply measure how much you'll need, taking into account how you'll want to route the tubing. You may want to choose a different colored tubing for supply, drain, and purified water runs.



You'll find detailed information regarding attaching each of these tubing runs to your RO or RO/DI unit in the directions supplied with your new system.

Other Accessories

Whenever an RO or RO/DI system is purifying water, it produces waste water. This waste water can be routed to a sink or other drain, or to a location where the water can be put to a good use (e.g., washing machine, flower bed). If you'd like to plumb the waste tube to a drain beneath a sink, try a convenient drain saddle.



Where RO or RO/DI systems are used to supply water for aquariums, purified water is often routed to an un-pressurized sump or similar storage container. In these applications, a float valve with an integrated bulkhead fitting is useful.

