

# Installing your nozzles on fences

- **Fences:** When running lines on wood fences, mount your lines in such a way that squirrels won't be able to run across them (under stringer if possible) or if mounting on top of stringer, tucked tightly in the crease between the fence boards and the stringer. When running lines under the stringer, you can drill a 3/8" hole through the fence post to run your line through so you don't have to wrap the tubing line around the front. If the finished side of your fence is in, use a hole saw to drill a .75 or .875 holes and run the tubing on the back side of the fence. When branching off using union tees, always leave extra slack so you have enough line to make your connections and securely fasten the tee without kinking the tubing. Every connection can't be perfectly tight, so pick inconspicuous locations such as under the top stringer or on a fence post. If using brick walls, you must pre-drill and use anchors in the mortar line so that the tubing can be recessed as much as possible. Plastic tie wraps (zip ties) work well on iron fences.

**when we move in... they move out.**



# Nozzle positioning- Fence examples



**when we move in... they move out.**



# Installing your nozzles in trees

- **Trees:** When running nozzles to trees, it is easier to mount the nozzles in the tree from the top securing the nozzle or nozzles and work your way down. If you have a tree with a large span, mount your nozzles on the outer most branches and work your way to the center where you can use a union tee or tees to connect all of the tree lines prior to continuing down the base of the tree. Using soft copper available at most hardware stores will provide protection from squirrels. If using copper, use a tube cutter (hardware store item) and then remove all sharp edges on the tube end with emery cloth (hardware store item) prior to gently inserting into the fitting. If you have a leak it's because the o-ring inside the fitting was damaged by the copper edge and the fitting needs to be replaced. Run the copper down the base of the tree and cut it off about 12-15" from the ground and install a straight union fitting that you will connect to your nylon supply line later. If using Palm trees, do not use screws, if a screw penetrates too deep you will kill the tree as palms cannot heal from the inside. Use large tie wraps. Use common sense with other trees. When using screws in trees, do not screw them all the way in. Leave room for the tree to grow. You can periodically check on your fasteners and make adjustments.

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# Nozzle positioning- Tree installation techniques, materials and fittings.



Nozzles placed in trees can provide excellent coverage.

Copper tubing will provide protection from squirrels.



The straight union fitting connects the nylon tubing to the copper tubing. The Nylon tubing can be sleeved in a stainless steel tubing sleeve for protection from ground to surface points. Outdoor rated PVC conduit will provide maximum protection for your buried lines.



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