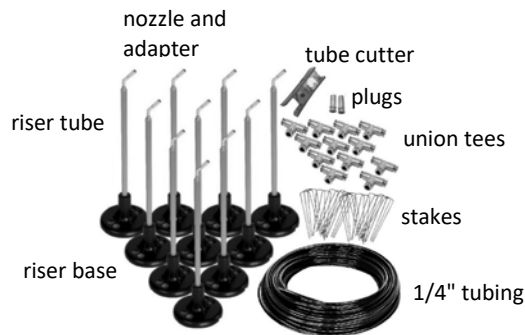




Riser Kit Assembly & Installation



Riser Assembly:

1. Insert the bottom of riser tube (with the 1/4" tubing sticking out) into the center of the riser base. Push through until about 1/2" of the tubing is showing through the bottom of the base.
2. Insert the tubing sticking through the base into the center hole of a union tee by pushing the tubing into the tee and then swiftly pulling back to lock tubing in place.
3. Pull the riser tube up through the base until the union tee fits into the grooves of the base and the riser tube cannot move up further.
4. Insert the nozzle and adapter into the coupling at the top of the riser tube. Secure the adapter by pushing it all the way in and then swiftly pulling back to lock the adapter in place. Repeat for all risers.

Creating a Riser Circuit:

The most effective nozzle circuit is one that forms a barrier around the area you want to protect. Risers are typically placed 8 - 10 feet apart.

There are 2 preferred ways to create a nozzle circuit:

1. **LOOPED CIRCUIT - Nozzle circuit makes a complete circle and terminates back at the cube.** Insert the end of the tubing coming from the nozzle circuit fitting out of the Cube into the center hole of a union tee. Insert a piece of tubing into one of the sides of the union tee and begin placing the nozzles. Attach all nozzles to the circuit (directions below). At the last nozzle, insert the tubing from the union tee of the last nozzle into the remaining open hole of the union tee coming out of the nozzle circuit fitting attached to the enclosure, completing the loop.
2. **TEE'D CIRCUIT-Nozzle circuit branches in two directions.** Insert the end of the tubing coming from the nozzle circuit fitting out of the Cube into the center hole of a union tee. Insert a piece of tubing into one side of the union tee and attach half the nozzles (directions below). Repeat for the other half of the nozzles coming out of the other hole on the union tee and running in the opposite direction. Insert a plug in the union tee of the last nozzle to end each run.

Attaching the Risers:

Connect the risers through the union tees under each base. Using the tube cutter, cut the tubing to desired length, usually 8 -10 feet. Insert the end of the 1/4" tubing into one side of the union tee. Push the tubing into the tee and then swiftly pull back to lock tubing in place. Continue cutting the tubing to the desired length and attaching to the remaining union tees under the bases to create the riser circuit.

Secure risers into the ground with the included stakes or on a hard surface with weighted bags (filled with sand) to keep them from falling over. For a permanent riser circuit bury the tubing in pvc pipe or similar material to protect it.

NOTE: When running tubing at ground level, protect it in pvc pipe or similar material 18" up for every transition from the ground to a structure, i.e. fence, house, etc... to avoid cuts from feisty squirrels and weed whackers.