



45° Nozzle Kit Assembly & Installation



Nozzle Assembly:

Insert the 45° nozzle adapter into the center hole of a union tee by pushing the adapter into the tee and then swiftly pulling back to lock the nozzle and adapter in place. To release nozzle or tubing hold collet on fitting down and remove nozzle or tubing.

Creating a Nozzle Circuit:

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

To create a nozzle circuit, start by inserting the end of the 1/4" tubing coming from the nozzle circuit fitting out of the Cube, by pushing the tubing in all the way and then swiftly pulling back to lock tubing in place. Using the tube cutter, cut the tubing to desired length.

There are 2 ways to create a nozzle circuit:

1. **LOOPED CIRCUIT –Nozzle circuit makes a complete circle and terminates back at the system.** 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 desired amount of nozzles (directions below). Repeat for the rest 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 Nozzles:

Using the tube cutter, cut the tubing to desired length, usually about 10 feet between nozzles. 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 sides of the remaining union tees that are attached to the nozzles to create the nozzle circuit.

Secure nozzles with the included tube clamps. Place a tube clamp every 3 -5 feet to hold the tubing in place and one on the tubing on each side of the nozzle to hold the nozzle in place. Be sure to pull tubing snug before tightening the clamp to keep the tubing from sagging. **NOTE: If installing on Stucco, take precautions to ensure water does not seep into the Stucco. Contact Pynamite for specific instructions.**

Fittings:

- **union tee:** used to connect nozzles to the tubing AND to branch the nozzle circuit into different directions (i.e. to the flower beds to add risers, to a tree in the middle of the yard).
- **plug:** used to terminate a run by inserting into a union tee. Every run must terminate into something, in order for the system to hold pressure.

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.