



### Faucet connection:

Begin the installation at the water source by attaching the backflow preventer to your faucet ①, and then attach the 25-PSI preset pressure regulator ② to the backflow preventer. Connect the poly tubing to the 3/4" swivel adapter ③ and attach it to the pressure regulator by turning "clockwise" until hand tight.

If you wish to automate the system, please select a DIG battery or solar powered timer (model B09D, B092A or EVO100), available online or in a store near you.

### Drip tubing layout:

Before installing the 1/2" poly tubing, uncoil the roll and lay it out in direct sunlight (if possible) for 30 to 40 minutes. This will make it more pliable and easier to work into the compression fittings during installation.

Lay out the 1/2" poly tubing and run it next to as many plants as possible. Secure the drip tubing to the soil with the 1/2" drip tubing stakes. Install the poly tubing in a gentle S curve to allow for contraction at low to high temperatures.

### Connect the 1/2" drip fittings

Use 1/2" tees (part #C35) and elbows (part #C36) throughout the layout as needed. To install the 1/2" compression fittings, cut the poly tubing with a hand pruner, being careful to keep dirt from entering the line. Hold the fitting in one hand and the poly tubing in the other and force the poly tubing into the compression fitting by moving it from side to side.

**Note:** Open the faucet and flush out the poly drip tubing through the ends before installing the drip emitters.

### Drip emitter installation:

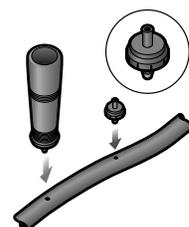
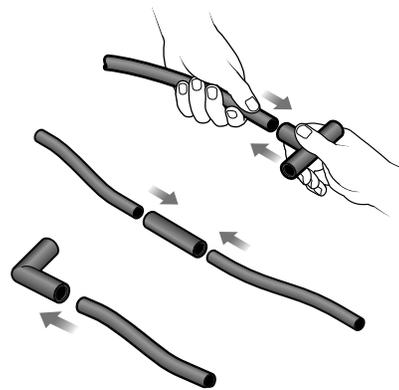
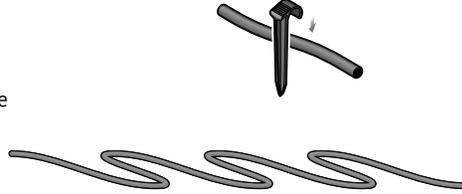
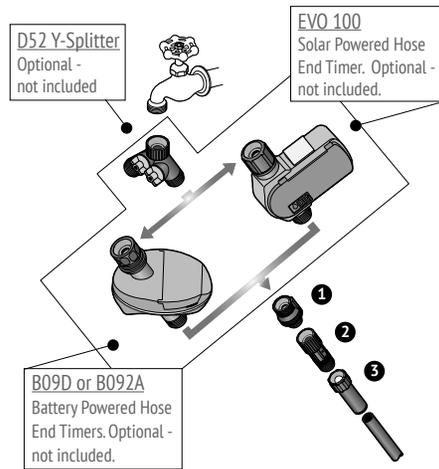
The drip emitters can be installed along the poly tubing at varying or specific spacings, depending on the layout of the plants. To ensure high uniformity, take care not to exceed the recommendations provided in the kit specifications.

To install the drip emitters, use one or both of the two options:

#### Option 1:

#### Installing the drip emitters into the 1/2" poly tubing

Insert the drip emitters directly into the 1/2" tubing: Punch a hole into the side of the poly tubing using the small punch (part #D44). Snap the barbed side of the drip emitter into the hole after the lines have been flushed.



#### Option 2:

#### Installing the drip emitters into the 1/4" micro tubing

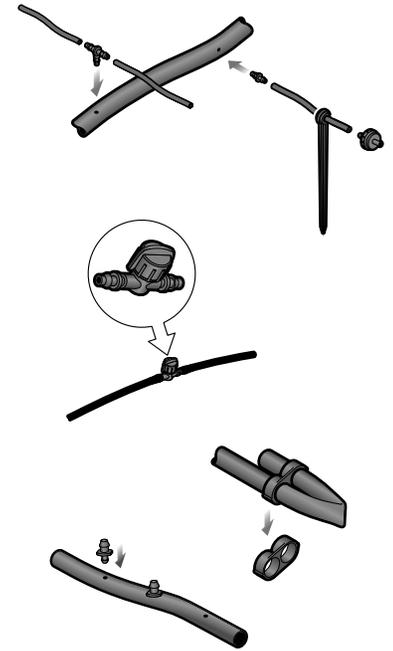
Extend the drip emitters using 1/4" micro tubing to reach plants that are not near the 1/2" poly tubing: First, run a length of micro tubing from the 1/2" poly tubing to the plant and cut it. Then, insert a 1/4" barbed connector (part #H80A) into the micro tubing. Punch a hole into the 1/2" poly tubing and insert the 1/4" barb into the poly tubing. At the other end of the micro tubing, insert the barbed side of the drip emitter after the lines have been flushed. Add a stabilizer stake and secure to the ground.

Use the 1/4" barbed valve for manual control of individual line of micro tubing.

#### Initial system start-up

Turn the water on again and flush the line[s]; this will flush out any dirt or debris that may be in the line[s]. Close the end of the poly tubing with the figure "8" hose end (part #F68B).

Test and inspect the system to identify if there are any leaks in the drip tubing laterals. If there are any leaks from the barbed fittings or drip emitters, remove the fittings or drip emitters and insert a goof plug to close the hole. Reinsert the barb fittings or drip emitters nearby.



### WATERING SCHEDULE

Open the faucet for 45 minutes to 1 hour every 2 to 3 days, depending on your location, weather and soil type. Faster draining, lighter soils will need to be irrigated more frequently than heavy, soild soils with high clay content. After a few days, check the soil and the health of the plants, and adjust the watering schedule as needed. If you have an irrigation controller and additional time is required, adjust the irrigation controller program with a longer watering duration and/or additional start times.

### SPECIFICATION

- Operating pressure: 10 to 45 PSI
- Recommended operating pressure: 25 PSI (use with model D46 25-PSI pressure regulator)
- Flow rates and color codes:
  - 1 GPH (4 L/H) color code - black
  - 2 GPH (8 L/H) color code - green
  - 4 GPH (12 L/H) color code - red
- Maximum recommended flow rate: 220 GPH (3.7 GPM)
- Poly tubing length and size: 50' x 1/2" with .600" ID x .700" OD
- Micro tubing length and size: 50' x 1/4"
- Total flow rate for this kit: 32 GPH (.53 GPM)

### TYPE OF PLANTS

### RECOMMENDED NUMBER OF DRIPPERS AND SPACING

Flowers	In sandy or loamy soil, place one, 1-GPH dripper every 10" to 12". In clay soil, place one, 1-GPH dripper every 16" to 20".
Vegetables	In sandy or loamy soil, place one, 1-GPH dripper every 10" to 12". In clay soil, place one, 1-GPH dripper every 16" to 20"
Small shrubs and roses (up to two feet high)	In sandy or loamy soil, place one, 2-GPH dripper per plant. In clay soil, place two, 1-GPH drippers per plant 16" to 20" apart.
Medium shrubs and trees (two to four feet high)	In sandy or loamy soil, place two, 1-GPH drippers per plant 10" to 12" apart. In clay soil, place two, 1-GPH drippers per plant 16" to 20" apart.
Large shrubs and trees (four to six feet high)	In sandy or loamy soil, place three to four, 1-GPH drippers per plant 10" to 12" apart. In clay soil, place three to four, 1-GPH drippers 16" to 20" apart.