

## DRIP IRRIGATION SUPPLY BASICS

### Hose Faucet Connection Set-up

**Backflow Preventer:** A backflow prevention device is used to protect potable water supplies from contamination or pollution due to backflow.

**Faucet Splitter:** Allows the use of a garden hose or sprinkler, independent of the automated irrigation system.

**Pressure Regulator:** Helps maintain optimum pressure and water flow to the drip line and emitters

**Automated Timer:** Allows for customizable, automated start/stop times. With an automated system, you no longer need to worry about going away for a weekend in the summer and losing all your plants to heat stress!

**Hose Adapter:** This piece will convert from faucet/hose thread to the standard ½ inch tubing or ¼ inch tubing needed to run the length of your irrigation area.

### Tubing

**½ Inch Poly Tubing:** Serves as the main water line in the installation of a drip irrigation system. This is the line that most of your 1/4" poly and drippers will connect to and branch off from.

**¼ Inch Poly Tubing (Distribution Tubing):** Can be used as the main line in small systems, but more often is used to branch off from the ½ inch tubing to direct the flow of water precisely to plants.

**¼ Inch Emitter Tubing:** Flexible 1/4" Emitter Tubing is ideal for extending watering to narrow planting areas, container plants and encircling large shrubs or trees. Each emitter is spaced 12" apart and emits 1 GPH (gallons per hour) of water.

**¼" Soaker Tubing:** Used for even saturation of planting areas.

### Emitters

**Spot Emitter:** Can be used directly off ½" tubing or attached to ¼" lines. Branching from main 1/2" tubing line to reach trees, potted plants or other targeted areas.

- Ideal for extending irrigation to widely spaced plants or trees.
- Increases flow to selected plants as needed anywhere in your landscaping.
- 1.0 GPH Emitter ideal for Loamy, absorptive soils.
- 2.0 GPH Emitter Ideal for Sandy, clay soils.

**Spray Emitter:** Ideal for hillsides, groundcovers. Viable as a lawn watering solution as well. Full and half circle patterns available. The diameter of the spray pattern ranges upwards of 10 feet across.

### Tubing Connectors

The "L" "Straight" and "T" connector pieces help you design a clean and functional system suited to your specific needs.

Use "L" pieces to round hard corners without kinking the line.

Use "T" pieces to branch off in multiple directions from the same line

Use "Straight" pieces to extend or repair your main line

### Other Tools and Hardware

**End Closure:** Effectively seal off the end of your drip system

**Staking:** "U"-Pins can be used to anchor the lines to the soil to keep them out of the way and secure

¼ Inch Support Stakes are useful to direct ¼" lines keep them securely held in position, and to precisely direct emitters

**Tubing Cutter:** Make the task of cutting tubing to size easy and precise.