

## Cannabis Irrigation Supply

### KH5516 Kit

### Home Grower Kit for up to 30, 10 Gallon Pots

#### Installing the KH5516 Kit

- 1) Take the ½" poly tubing and run it through your grow in a central location. You want it to pass near as many plants as possible.

**NOTE:** Tubing can be difficult to work with when cold. Consider leaving the tubing (½" and ¼") in direct sunlight for 10-15 minutes prior to working with it. If direct sunlight is not available, warm or hot water may be used instead.

- 2) Measure out a length of ¼" vinyl tubing (the small tubing WITHOUT bumps) that will reach from your ½" main line up into one of your pots. Give yourself a couple of extra inches, just to be safe.
- 3) Insert one of the ¼" barbed tees into one end of the vinyl tubing. Be sure to insert the bottom of the tee, NOT one of the arms.
- 4) Insert one of the ¼" barbed connectors (the straight barbed pieces) into the other open end of the tubing. You can insert either side of the connector.
- 5) Measure out a length of the ¼" dripline (the small tubing WITH bumps) that can loop around the inside of your pot. Try to make sure the tubing runs about halfway between the base of your plant and the edge of your pot. Attach each end of the dripline to one arm of the ¼" tee.
- 6) You should now have a self-contained loop of dripline in the pot that is attached to the vinyl tubing via the tee. The vinyl tubing should run out of the pot and down to the ½" main line, and have a ¼" barb at the end. Think of this as a "dripline assembly"
- 7) Using the provided tool, punch a hole in the ½" main line and stick the ¼" barb at the end of the dripline assembly into that hole. You will hear a *snap* when the barb is firmly in place.

**NOTE:** If you punch a hole in the wrong place, don't worry! Use one of the included goof plugs to plug the hole, and move on like nothing happened.

- 8) Take one of the small hold-down stakes and use it to hold the loop of dripline in place by sticking it into the dirt, making sure that the dripline is held firmly by the stake.
- 9) Repeat steps 2 thru 8 for each pot in your system.
- 10) Use the included ½" compression end cap to close the system off. One end is open and smooth, and the other end has a screw-on cap. Force the end of the ½" tubing (the one opposite from the water source) into the smooth, open end by pressing it in and moving the tubing up and down. The connection is secure once about half an inch of tubing has been inserted, and it cannot be pulled apart by hand.

## Connecting to Your Water Source

- 1) Take the swivel fitting and force the open (non-swivel) end of it over the remaining open end of the ½" tubing by pressing the tubing in and moving it up and down.

**NOTE:** No Teflon tape or wrenches/tools are required for any of the fittings included in this kit. Simply hand tighten the fittings until they are firm and you're good to go!

- 2) Screw the male part of the pressure regulator (remaining cylindrical piece) into the female end of the swivel adapter.
- 3) Screw the male end of the filter (large, T-shaped piece) into the female end of the pressure regulator.
- 4) Use the female swivel fitting on the filter to attach it to your garden hose or hose spigot.
- 5) If your ½" main line is resting on dirt, use the included ½" hold down stakes to hold it in place by placing one stake every 5 feet or so. Make sure not to push the stakes in too far, as crimping the ½" tubing will adversely affect the effectiveness of your system.
- 6) Your system should now run from your hose or hose spigot past all of your plants, and be closed at the end with the end cap. Each pot should have a dripline assembly in it that is attached to the main line.
- 7) Remember to flush the system before pressurizing it. To flush the system, unscrew the end cap and turn the water on. This will ensure that any debris that got into the system during installation does not get caught in the dripline and cause a clog. Turn the water off after the system has been thoroughly flushed.
- 8) Screw the end cap back on, and pressurize the system. Check all connections for leakage.

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