

Drip Irrigation Kit Installation Manual

Drip Irrigation Kit for Container Gardening - Patios - Decks

Models:

- Starter Kit: 10 Containers Medium Kit: 30 Containers (DK-CGM)
 - Large Kit: 60 Containers

Description

This kit contains everything you will need to go from hose bibb (faucet) to your potted plants. It is designed to water groups of flower pots, planter boxes, and hanging baskets. The number of containers is an estimate based on each container receiving one drip emitter. Larger containers should get two drip emitters. *If you want to automate your drip system, a [Hose End Timer](#) (DD-HEDT) can be purchased separately.*

Maximum Flow Rate Required when kit is fully installed (all drippers): Small Kit: 5 gph, Medium Kit: 15 gpm, Large Kit: 30gph.

Installation: Overview

You will attach a Hose Vacuum Breaker, Filter, and Pressure Regulator to the faucet or garden hose. The supply line is 1/4" Solid Drip Tubing and is run to each container. Small containers (around 10") will get one drip emitter and stake. Containers over 10" should get two drip emitters. We've included deck mounting clips for the tubing and 1/4" flow control valves for each container so that you can fine-tune (or shut off) the water flow to individual containers.

Installation: Step-by-Step

Roll the tubing out near the containers to soften. Weigh it down and let the sun heat the tubing. This will make it easier to work with.

Step one: Connecting to the Hose Bibb

1. Screw the **Hose Vacuum Breaker** (DD-HVB) onto the faucet. Note: If you have the Large kit, begin with the **Y Ball Valve** (DD-YBV75). *If you purchased the optional [Hose End Timer](#) (DD-HEDT), screw it on before the Hose Vacuum Breaker.*
2. Screw the **Filter** (DD-HIF75) onto the Hose Vacuum Breaker.
3. Screw the **Regulator** (DD-HPR25-HQ) onto the Filter.
4. Screw the **1/4" Swivel Adapter** (DD-CHS250) onto the Filter.

Step Two: From the Hose Bibb to the Containers

1. Attach the **1/4" Drip Tubing** (DD-DH250) to the 1/4" swivel adapter and run it close to the containers.
2. The **1/4" mounting clips** (DD-MC250B) will allow you to nail down the 1/4" tubing to decking fascia, underpinning, posts etc. so that it is safely tucked away. At each container, cut the tubing with scissors and insert a tee so that it points toward the top of the container.

Step Three: Watering Each Container

1. Cut a length of tubing that will run from the 1/4 barbed tee to the middle of the container. **Turn on the water and FLUSH THE LINE until all lines are clear of debris.**
2. Insert a **Deluxe Drip Emitter** (DD-PCE5) into the end of the 1/4" drip tubing. Use DD-SR360S Adjustable Flow Bubblers for Larger Pots or plants that need a wider coverage of water. Medium Kit Only.
3. Press the 1/4" tubing into the groove of the **Micro Tubing Holder Stake** (DD-S2) and push the stake into the soil next to the plant.
4. Use a **Goof Plug** (DD-GP) to cap off the end of the 1/4" tubing. You have extra goof plugs to cap off additional sections of 1/4" tubing (if needed).
5. **1/4" Connectors** (DD-C250) can be used to connect lengths of 1/4" tubing. Damaged tubing can be repaired by making clean cuts and then connecting with a 1/4" connector.
6. Turn on your system and check each pot for water output.

Maintenance Tips

WINTERIZING

If you live where it freezes, it is a good idea to drain the water from your drip lines and the components connected to the water source. Here's how:

1. Turn off the hose bibb.
2. If you have a hose-end timer installed, let the system run through a watering cycle. This will open the timer and let any remaining water drain out of the timer and other components & into the drip tubing.
3. If you do not have a timer installed, unscrew the drip system from the hose bibb for a few minutes to let air into the line. Reattach the line after a minute or two.
4. **Note:** *We do not recommend blowing compressed air through a drip system.*

FLUSH THE LINE ANUALLY

Since drip systems operate at low pressures, sediment can settle in the line over time.

1. Flush the line annually by pulling out the goof plug at the end of the line or cutting it off and replacing after flushing.

2. Check filter screen for debris and clean if necessary.
3. Turn on the hose bibb until the water runs clear from the end of the line.
4. Replace the goof plug.
5. Turn on the hose bibb and check the entire system for leaks.

REPAIR BREAKS & LEAKS

1. Small holes in the line can be plugged with a goof plug.
2. For larger breaks or holes in the drip tubing, make a clean cut around the damaged area.
3. Reconnect the lines with a 1/4" barbed connector.

DRIP IRRIGATION TUTORIALS

[Expert Advice](#)

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