

## DIG CORPORATION 3 YEAR WARRANTY

DIG CORPORATION warrants these products to be free from defects in material and workmanship for a period of three years from date of purchase. This warranty does not cover damage resulting from accident, misuse, neglect, modification or improper installation. This warranty shall extend only to the original purchaser and user of the product. The obligation of DIG CORPORATION under this warranty is limited to repairing or replacing at its factory this product. This product must be returned to the factory within three years after the original purchase and upon examination, is found to contain defects in material and workmanship.

DIG CORPORATION SHALL IN NO EVENT BE LIABLE FOR ANY INCIDENTAL OR CONSEQUENTIAL DAMAGES OF ANY KIND; THE SOLE OBLIGATION OF DIG BEING LIMITED TO REPAIR OR REPLACEMENT OF DEFECTIVE PRODUCTS. SOME STATES DO NOT ALLOW THE EXCLUSION OR LIMITATION OF INCIDENTAL OR CONSEQUENTIAL DAMAGES, SO THE ABOVE LIMITATION OR EXCLUSION MAY NOT APPLY TO YOU.

Unattended use for prolonged periods without inspection to verify proper operation, is beyond the intended use of this product. Any damage resulting from such use shall not be the responsibility of DIG CORPORATION. There are no warranties which extend beyond the description on the face hereof. In the case of purchase of the product for use other than for irrigation purposes, DIG CORPORATION hereby disclaims any implied warranties, including any warranties of merchantability and fitness for a particular purpose. In the case of the purchase of the product for personal, family or household purposes, DIG CORPORATION disclaims any such warranties to the extent permitted by law. To the extent that any such disclaimer or implied warranties shall be ineffectual, then any implied warranties shall be limited in duration to a period of three years from the date of the original purchase for use by the purchaser. Some states do not allow limitation on how long an implied warranty lasts, so the above limitation may not apply to you.

In order to obtain performance under this warranty, the unit must be returned to the factory, along with proof of purchase indicating original date of purchase, shipping prepaid, addressed as follows:

DIG CORPORATION, 1210 Activity Drive, Vista, CA 92081. Repaired or replaced units will be shipped prepaid to the name and address supplied with the unit returned under warranty. Allow four weeks for repairs and shipping time. Repair of damaged units, not otherwise within warranty may be refused or done at a reasonable cost or charge at the option of DIG CORPORATION.

This warranty gives you specific legal rights, and you may also have other rights which vary from state to state.

1.800.322.9146 FAX: 760.727.0282



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## INSTALLATION INSTRUCTIONS

### Patio Drip Watering Kit

#### Model FM01AS with Backflow Preventer

### INTRODUCTION

Thank you for purchasing the DIG model FM01AS Drip Watering Kit. Please take the time to read through the enclosed instructions and follow them step by step. If you have any questions, please call our customer service line at 1-800-344-2281. Use model FM01 or FM01AS Patio Drip Watering Kit to maximize your efficient use of water and to promote abundant growth in your planters, potted plants or baskets. If you decide to expand your system, all the necessary parts are available individually from a DIG distributor.

### ABOUT YOUR PATIO DRIP WATERING KIT

The FM01AS Drip Watering Kit is designed to irrigate plants in hanging baskets, pots and planters. This kit contains all the necessary parts to install a drip system for up to 10 pots or baskets. Note that two emitters should be used for larger pots (12"-18"). This drip kit can be easily expanded to irrigate up to 15 pots or baskets. Before the installation, familiarize yourself with all the parts in this kit. See the part list and description at the end of this instruction manual and on the back of the box.

### PLANNING SUGGESTION

Determine the number of pots or baskets you need to water, taking into account that pots greater than 12" need two or more drip emitters.

**Option 1:** For baskets up to 10", use one dripper per pot. To do this, run the 1/4" micro tubing mainline to the pot or basket. Cut the micro tubing near the pot or basket and add a 1/4" tee. To the tee, add an additional section of micro tubing, which becomes the feederline. Run the micro tubing feederline into the pot or basket about 1" from the plant. Insert a dripper into the end of the micro tubing and secure the dripper with a tubing holder stake.

**Option 2:** For larger baskets (12"-18"), install two drippers per pot. To do this, run the 1/4" micro tubing mainline to the pot or basket. Near the pot or basket cut the micro tubing and add a 1/4" tee. To the tee, connect a length of micro tubing, which becomes the feederline. Run the micro tubing feederline into the pot or basket. Inside the pot or a basket, split the micro tubing into two feederlines using an additional 1/4" tee and two pieces of micro tubing, 3"-5" length. At the end of each micro tubing feederline, add one dripper and secure the dripper using the tubing holder stake.

Ideally when everything is connected and running, each pot on a system should begin to drain water at about the same time. If this is not happening, it is usually because there are various pot sizes. A 1/4" valve can be added to control the flow to each pot or section of pots. When planning out your system, it is common to group like-size containers on one line, sectioning out the pots. In this situation, a single 1/4" valve can control the flow to a number of similar sized pots. If this is not possible because of the layout of the pots, which is common, a 1/4" valve can be added to each line to individually control the water to the pots. This ball valve will allow you to adjust the flow by turning the knob to either side.

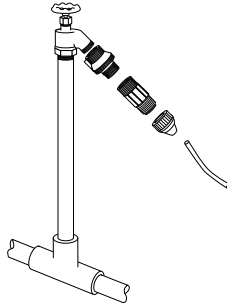
**Note:** There are two ball valves available in the kit. If more ball valves are needed, use Model D33A, Part #65.

## INSTALLATION

### Step 1: Faucet (Hose End)

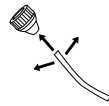
Begin the installation at the water source by attaching the 3/4" FHT backflow device to the faucet (Model FM01AS). If automating the system, connect the hose end timer (not included) into the faucet and connect the backflow device to the hose end timer. To the backflow device, connect the 3/4", 25-PSI preset pressure regulator and then thread the 3/4" FHT x 1/4" compression adapter with screen.

**Note: This Kit is intended for outdoor use only, do not install indoors. Maximum incoming pressure is 80 PSI. Tighten threaded fittings by hand only. No wrench or teflon tape are required.**



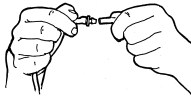
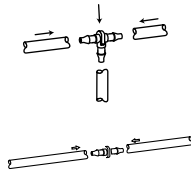
### Step 2: Microtubing Placement & Connection

Unroll the 1/4" micro tubing and lay it out in the area of the planters, containers or baskets to be watered. Connect the micro tubing to the adapter by forcing the micro tubing end directly into the compression side of the adapter while moving the micro tubing from side to side. No barb is needed.



### Step 3: Connecting the 1/4" Tees

The micro tubing serves as the primary line that runs water to all the plants. Near each planter, container or basket cut the 1/4" micro tubing and insert a 1/4" tee (soaking the micro tubing in hot water will ease installation). Leave the end of the 1/4" micro tubing open so you can flush the line before completion. Run a piece of 1/4" micro tubing from the center of each pot, container or basket and connect each to the 1/4" tee. Use a 1/4" barbed elbow or connector as needed.



### Step 4: Connect 1/4" Ball Valve (optional)

To control the flow rate, 2"-4" from a large container or basket, cut the feeder line (micro tubing) and attach a 1/4" ball valve to allow flow adjustment for individual containers or baskets.

Note: if containers of similar sizes are grouped on one section of line, a single valve can be placed at the head of the micro tubing feeder-line section to control the flow to multiple baskets.

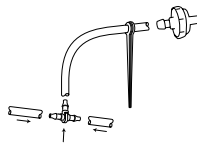


### Step 5: Flush the Line

Turn the water on, and flush the line for 10-20 seconds to flush out any debris inside the system.

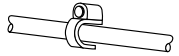
### Step 6: Installing the Drip Emitters

For small containers and near the plant, insert a drip emitter into the end of the micro tubing. Attach a holder stake to the micro tubing and secure it to the pot. For larger planters and containers, see option 2 in the planning suggestion section.



### Step 7: Secure Micro tubing

Secure the micro tubing to the patio, containers or planters using the 1/4" C-clamps.















### Step 8: System Start Up

Begin by turning the water on. If used, adjust the flow of the 1/4" ball valve as needed by turning the knob.

NOTE: If each pot drains at different times (probably because they are different sized pots) you may want to consider using a 1/4" valve on each line. This will help control the flow so that each pot drains at the same time regardless of size.

When watering on a regular basis, it is ideal to allow very little water to drain out of the pots. This helps conserve water and generally keeps the area cleaner. After initial start up, determine how long the system should run each time to sufficiently irrigate the pots without excess runoff. To do this, run the system checking to see how long it takes all the pots to drain. Set the irrigation schedules 1-2 minutes less than it takes for the pots to drain. For example, if it initially took the pots 5 minutes to all begin draining, set the system to run for about 3-4 minutes each time. The watering can be automated by using a battery- or solar-powered timer such as our B09D or EVO100. After a week, check the soil and the health of the plants and adjust the watering time as needed.

## KIT CONTAINS

	Product Description FM01AS	Quantity
	3/4" FHT x MHT Backflow Device	1
	3/4" FHT x MHT 25-PSI Preset Pressure Regulator	1
	3/4" FHT x MHT Compression Adapter	1
	1-GPH PC Dripper	10
	60' of 1/4" Micro Tubing	1
	1/4" Barbed Connector	2
	1/4" Barbed Elbow	10
	1/4" Barbed Tee	9
	1/4" Holder Stake	10
	1/4" Tubing C-Clamps	10
	1/4" Barbed Ball Valve	2
	Instruction Manual	1

All parts are also sold separately at DIG retailers.