

AUTOMATIC FERTILIZING SYSTEM GARDEN HOSE AND DRIP CONNECTION



INSTALLATION AND OPERATING GUIDE

Model: EZ 2020-HB

**Low Pressure Garden Hose & Drip Feeder
2 Gallon Liquid / 10 LB Dry Capacity**

CAUTION: Installing your system improperly can cause risk of water contamination and pose health risks. Do not attach your feeder to a hose bib or sprinkler line that does not have a hose vacuum breaker (pictured), anti-siphon device, or back flow preventer. Back flow preventer is not included with system.

Do not install system into an irrigation main line before a zone valve. Do not install or leave system under constant pressure (with water on and no flow out of your garden hose or drip system) or if pressure exceeds 50 PSI. Flush hose after each use to vent chemicals and pressure. Empty tank when freezing conditions are present.

For additional information or to contact EZ-FLO go to our website
www.ezflorfertilizing.com or call 866-393-5601

Installing your EZ-FLO: Garden Hose & Drip Systems

Setting up your EZ-FLO is “EZ” just follow the simple steps below:

Step 1: Determine the type of installation that is correct for your system (hose or drip) and insert the correct FLO disc if necessary (see “**Flow Requirements Section**”)

Step 2: Install the EZ-FLO hose bib adaptor in the correct position as shown in the illustrations.

Step 3: Attach tubing to the hose bib adaptor fitting. Slide the Black tubing over the barb next to the blue mark carefully to avoid stressing the fitting. Repeat with the Clear tubing next to the Green mark.

Step 4: Attach tubing to the green tank cap.

Do not remove the blue and green cap

connector nuts. Slightly loosen each nut and insert the Black tubing through the center of the Blue nut until it stops. Once it stops hand tighten the blue nut. Repeat with the Clear tubing and the Green nut.

Additional Installation Notes:

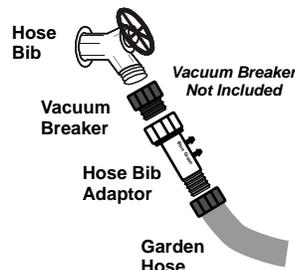
If one is not already installed a hose vacuum breaker must be installed to use an EZ-FLO system per local plumbing codes (**not Included**) Back flow prevention may not be required on well irrigation systems but is still recommended.

When possible the hose bib adaptor fitting should always be the last component installed in any configuration. Timers, filters, & pressure regulators should not be installed after the hose bib adaptor.

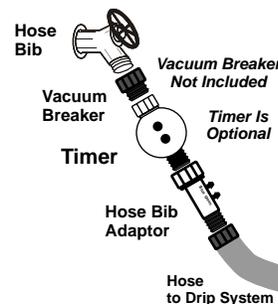
The included tubing shut off valves may be used to shut off the unit. These can be installed in the clear and black tubing at any point. Tubing valves normally drip under pressure, this will not affect the operation of the EZ-FLO.

Unit includes 5 ft of clear and 5 ft of black tubing, you may trim tubing to necessary length.

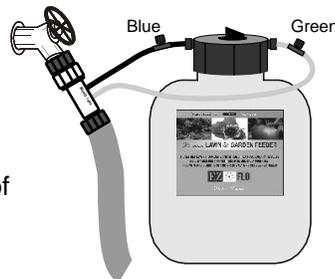
Garden Hose



Hose Drip System



Completed Installation



Flow Requirements: Low Flow Hose & Drip Systems

Drip systems with less than 120 gallons per hour (GPH) water flow may require an EZ-FLO *Flo-Disc* in order to inject solution into the drip system. There are three discs provided for these conditions.

Important: You must have colored fertilizer in the EZ-FLO tank or food dye to adjust the system. Let the system run for a few minutes to make sure the fertilizer is not flowing before installing or changing the Flo-Disc. If there is not color in the clear tube, the system is not flowing and a more restrictive Flo-Disc is required for operation.

White Flo-Disc	120 to 60 gph
Black Flo-Disc	60 to 30 gph
Red Flo-Disc	30 to 7.5 gph

When using a Flo-Disc, pre-dilute products 4 parts water with 1 part product (25% Strength).

Step 1. Estimate your water flow by multiplying the number of drip emitters on your system by their gallons per hour flow rating. (If you do not know your water flow you can use trial & error starting without a Flo-Disc. If no color is present in the clear line insert a Flo-disc starting with the white)

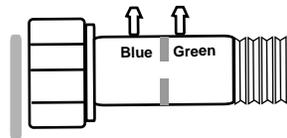
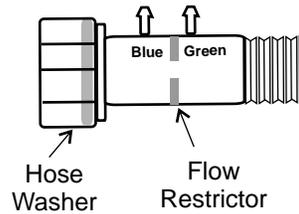
Step 2. Remove the washer from the swivel nut on the hose bib adaptor. For easy removal, use pliers to grab the O-Ring tab or a plain end screw driver.

Step 3. Push the proper *Flo-Disc* into the hose bib adaptor until it presses firmly against the flow restrictor in the center of the hose bib adaptor. The water flow will hold the disc in place.

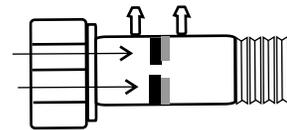
Step 4. Replace the hose bib adaptor hose washer and follow steps 2 through 4 in the “*Installing your EZ-FLO*” in these instructions.

Note: The Flo-Disc is not intended for pressure reduction and cannot be used for this purpose. The Flo-Disc will create additional bypass through the tank when necessary to speed up injection.

Hose Bib Adaptor



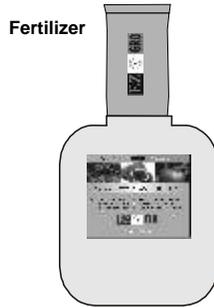
Remove Hose Washer



Push FLO-Disc firmly against
Flow Restrictor and replace
hose washer

Adding Fertilizer & Feeding Settings

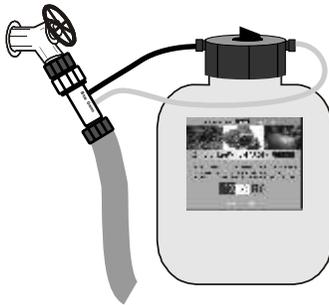
**MAX CAPACITY:
10 Lb Dry Powder
2 Gallon Liquid**



Step 1. Add the fully concentrated product and select the appropriate cap setting based on the manufacturers recommended coverage rate. **Products do not require dilution or premixing unless using a Flo-Disc or the manufacturer's recommendation**

EZ-FLO does not provide application recommendations for products not listed in the catalog or website

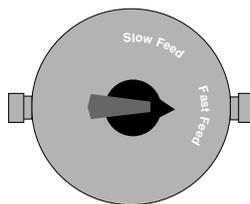
Step 2. Fill the tank with water until all air is out of the tank. The system will mix the products automatically when the water is turned on.



Step 3. Screw tank cap on the tank and connect tubing to the cap and hose bib adaptor. Connect blue to blue and green to green. The tubing slides over the connectors on the hose bib adaptor and into the connector on the cap.

Step 4. Set the flow adjustment on the cap to fast feed for quick feeding and to slow feed to feed slowly every time you water. You can also feed at these approximate rates

Slow	1000:1	2/3 tsp. per gallon
#1	500:1	1 1/3 tsp. per gallon
#2	250:1	1 Tbsp. per gallon
Fast	100:1	2 Tbsp per gallon



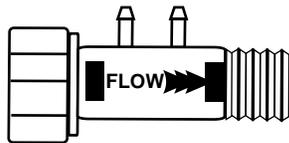
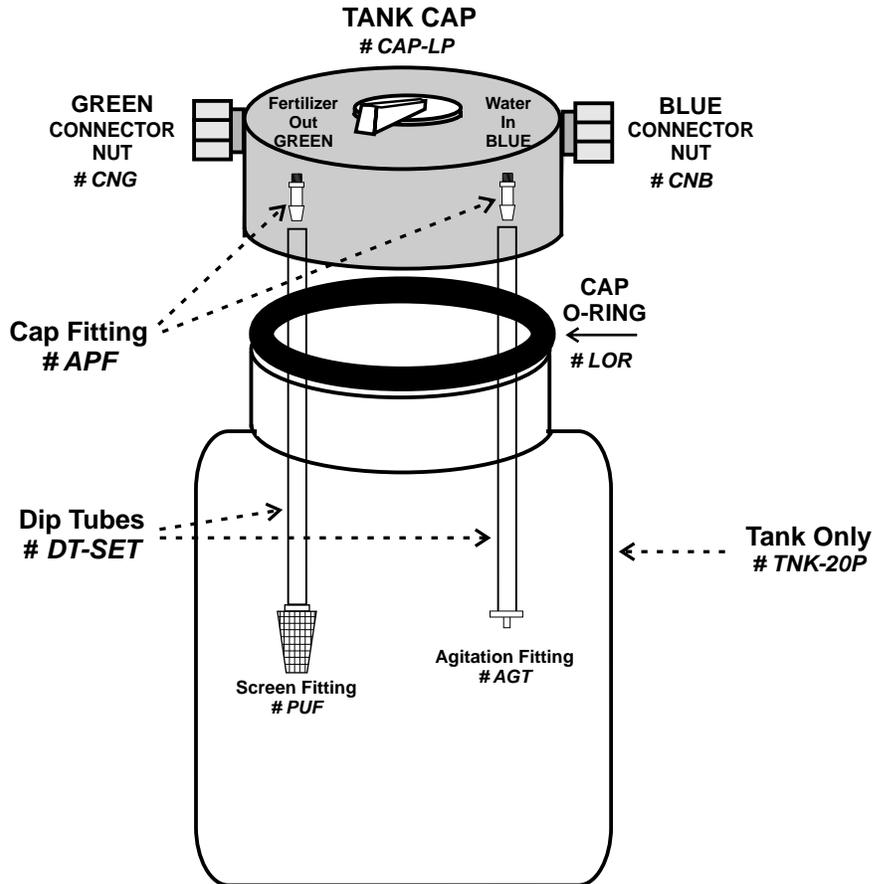
To refill - shut off pressure to tank, unscrew tubing from the cap, pour the water out of the tank and go to step one above.

Notes: All feed rates are approximate and not guaranteed by EZ-FLO due to the high amount of variables resulting from differences in irrigation system configuration, product quality, viscosity, and specific gravity. Feed rates and ratios are provided for convenience only. EZ-FLO feeders should be used for general application of liquid and water soluble products only and are not marketed as a direct replacement for chemical siphon feeders.

For safe fertilizing practices EZ-FLO recommends the plants be fed at half or 50% of the manufacturers recommended amount for the first application to prevent any damage to the plants or landscape.

GARDEN HOSE & DRIP CONNECTION TANK ASSEMBLY & PARTS LIST

Replacement Parts available through EZ-FLO distributors only



1 - Hose Bib Connector
3060

5 - Feet 1/4" Clear Tubing
CT5



Hose Vacuum Breaker
(Not Included)



2 - Tubing Valves
TVLV

Tubing Valves normally drip when under pressure.

5 - Feet 1/4" Black Tubing
BT5



Flo Disc Set
K-INSKFD

RED Flo Disc
BLACK Flo Disc
WHITE Flo Disc

EZ-FLO FREQUENTLY ASKED QUESTIONS

WHAT PRODUCTS CAN I USE WITH THE SYSTEM?

Any liquid or water soluble powder may be used in the system. Water soluble powders do not need to be dissolved to work in the system. The **EZ-FLO** process dissolves, mixes, and measures for you. If your product is clear you must add food coloring or dye so the product will be visible in the clear output tube.

HOW DO I KNOW WHEN THE FERTILIZER IS GONE?

When the system is operating (water flowing) the clear tube will fill with the color of your fertilizer. When the systems is operating and the tube is running clear, the system is out of fertilizer.

MY FERTILIZER IS GONE BUT THE TANK IS FULL OF WATER

The **EZ-FLO** system will always be full of fluid since it replaces the product with fresh water utilizing a patented process to layer the incoming water over the heavier fertilizer solution. This process is similar to oil on water or whipped cream on gelatin.

HOW DO I KNOW THE SYSTEM IS WORKING?

When water is flowing through your garden hose or drip system, the color from the fertilizer will completely fill the clear tube. The color depends on the fertilizer or dye color. The color in the tube may be lighter or darker depending on how much fertilizer was put into the tank and/or the injection setting selected on the cap. If you have a full tank of fertilizer and do not see color in the clear tube, refer to the **Installation** and **Flow Requirements** sections of this guide.

MY SYSTEM IS RUNNING BUT THE LINE IS STILL CLEAR

First check that your system has water flowing and is not just under pressure. The tube will only show color when the water is flowing.

Make sure the tank was filled with the proper amount of fertilizer and dye was added if the fertilizer did not contain a dye. Also, confirm all air was removed from the tank by topping off with water.

Check that the included hose bib injection fitting is installed according to the **Installation** section. You may need to rearrange your filter, pressure regulator, and/or timer so our injector fitting is last.

Check the **Flow Requirements** section to determine if you need a **Flo Disc** or that the correct **Flo Disc** was selected.

If installed in a sprinkler line adjust the ball valve connector (CBV) according to the instructions provided with the connector. If the system was installed in a sprinkler line and a coupling ball valve (CBV) connection was not used, one must be installed for proper function.

MY SYSTEM IS FEEDING TOO FAST

Check that you have selected the appropriate feed setting. Also, if you used a Flo Disc during installation, make sure the proper disc was selected. Any Flo-Disc will speed up the injection rate of the system.

If using a coupling ball valve connection (CBV) for irrigation pipe, make sure the valve is properly calibrated. Opening the valve will slow the feed rate for your system.