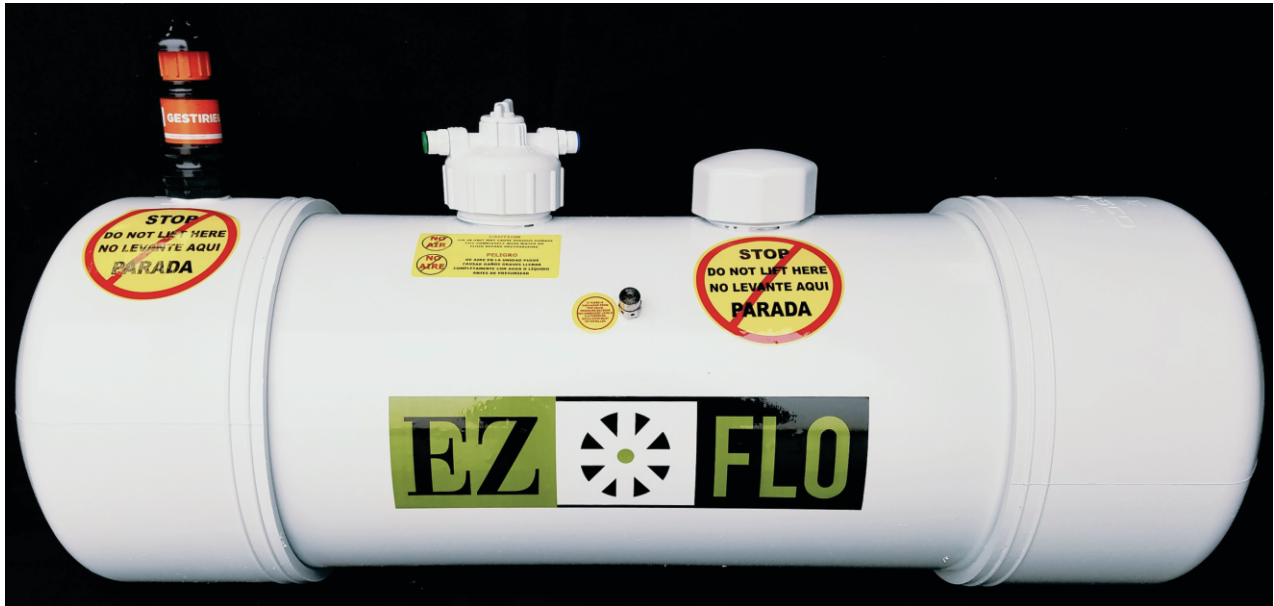


INSTALLATION AND OPERATING GUIDE HIGH CAPACITY SYSTEMS



MODELS: EZ010-HC, EZ017-HC, EZ025-HC
(EZ010-HC PICTURED)

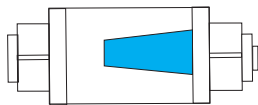
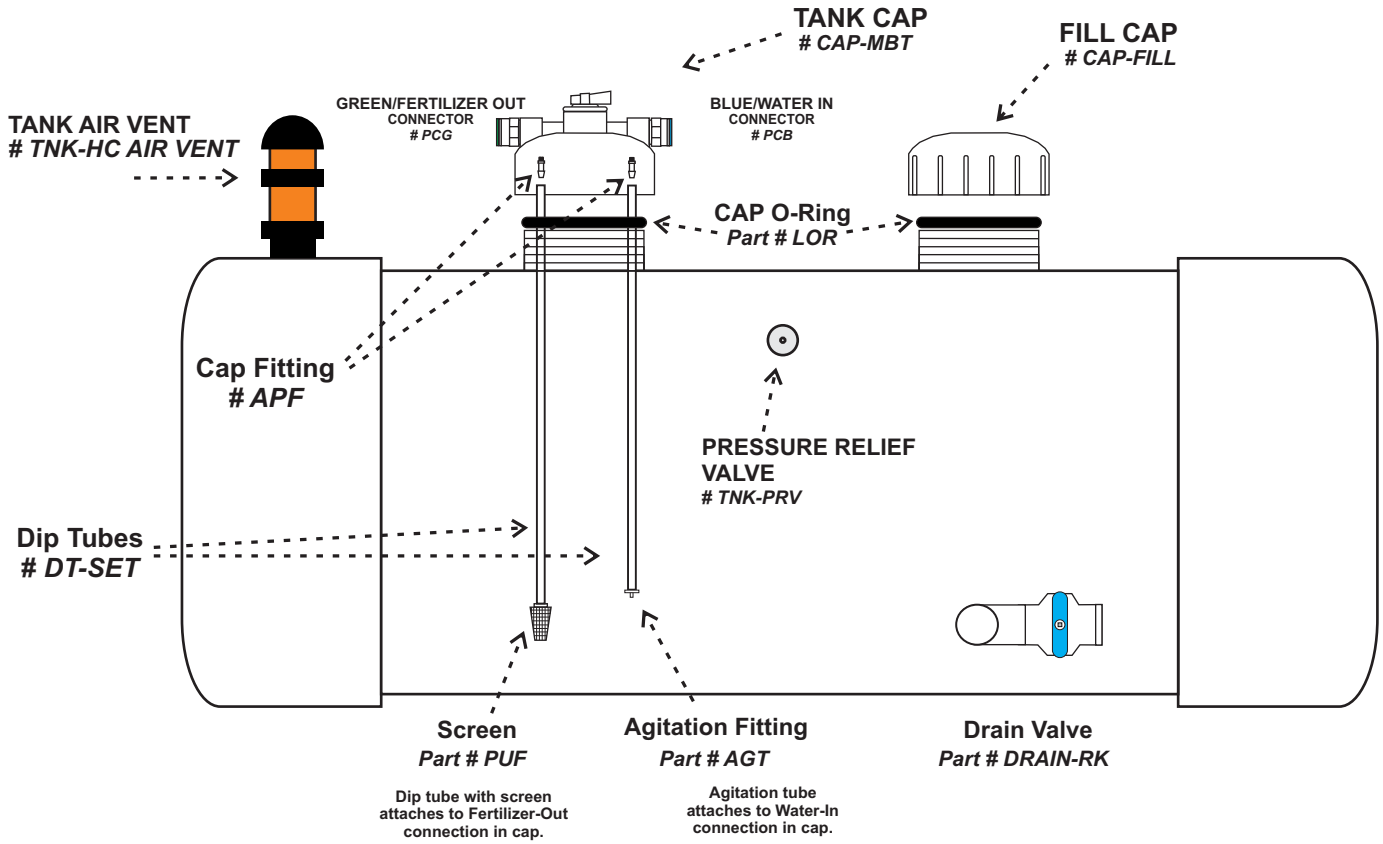
*** IMPORTANT ***

***READ INSTRUCTIONS BEFORE INSTALLING THE SYSTEM
TO INSURE PROPER INSTALLATION***

**EZ-FLO Coupling Ball Valve Required for Installation
Sold Separately**

- Do not connect to an irrigation system that is not protected by an approved back flow prevention device
- Do not install if pressure exceeds 80 PSI
- Use only with non-hazardous products
- Minimize exposure to direct sunlight to maximize service life
- Protect against freezing to avoid tank fracture

HC TANK ASSEMBLY & PARTS LIST



2 - Shut Off Valves
Part # SOV (with 2 washers)



3 - Tubing Clamps
Part # RTC (1 Extra)

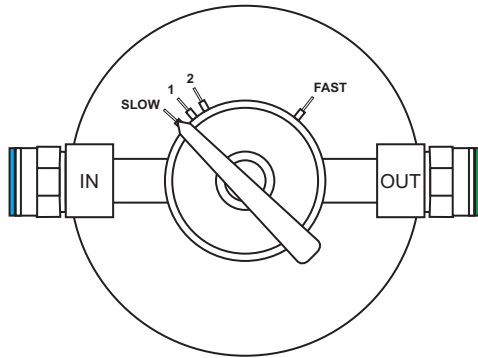
5- Feet 1/4" Black Tubing
Part # BT5

5- Feet 1/4" Clear Tubing
Part # CT5

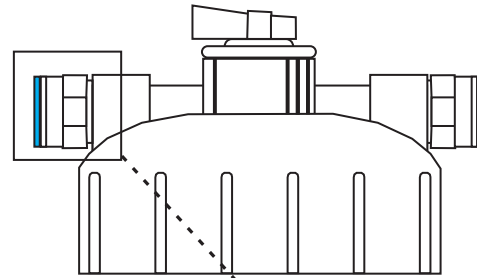
For EZ-FLO Warranty information visit our website at: www.ezfloinjection.com

Cap Tubing Fittings: Insert and Release

Top View



Side View

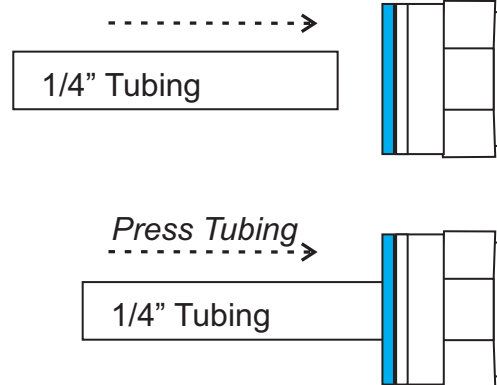


The EZ-FLO system uses push connect fittings to connect the clear and black 1/4" tubing to the cap.

To Insert:

Step 1. Insert the end of the tubing into the appropriate side (Clear to Green/Out and Black to Blue/In) by pressing into the hole/Collet. Press gently until the tubing stops.

Step 2. Gently tug the tubing to insure it is locked into place.



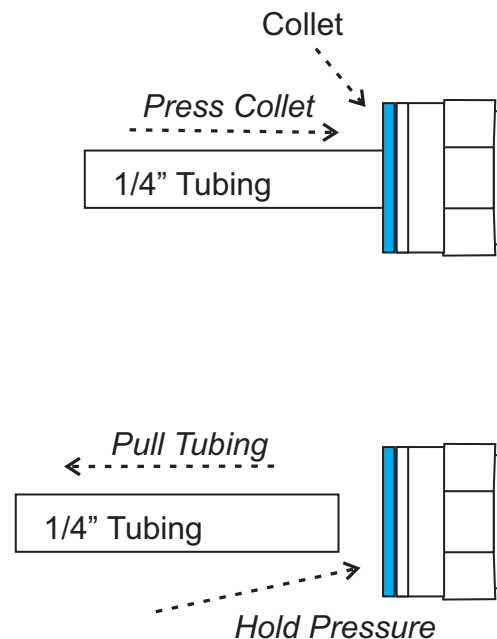
To Remove:

Step 1. Shut off pressure to the system.

Step 2. Apply gentle pressure to the Green or Blue Collet with your fingers.

Step 3. While holding pressure, gently pull the tubing away from the fitting to release.

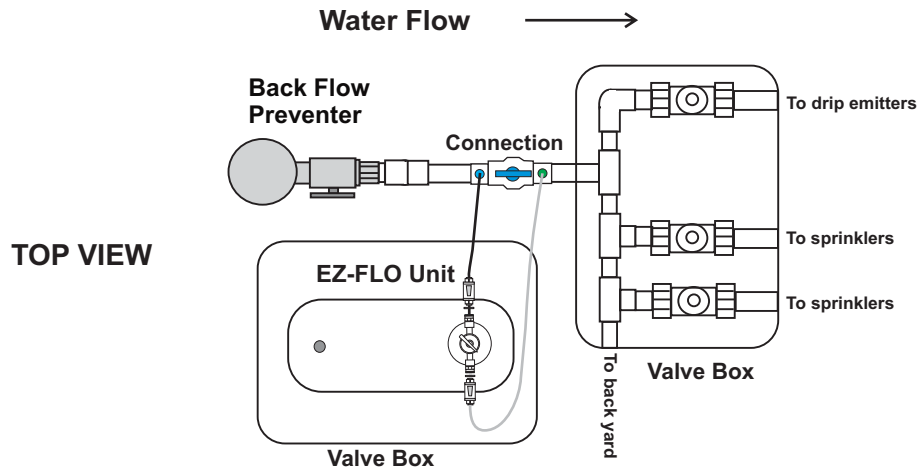
Note: Make sure to direct the fitting away from your face and body. A small amount of residual pressure may be in the tank and cause a momentary release of fluid.



System Installation: Location Selection

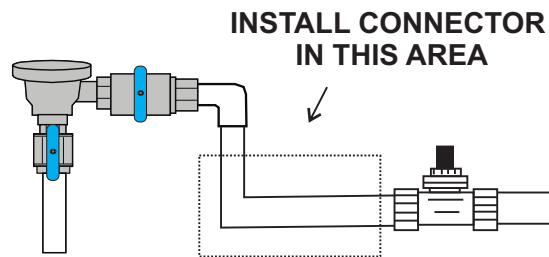
Typical installation

The system is normally installed in a valve box, connected to the main line of the irrigation system after the back flow preventer and before the sprinkler valves. One unit will feed both drip and sprinkler zones without changing any connections or nozzles. It will feed both the front and back yard landscapes.

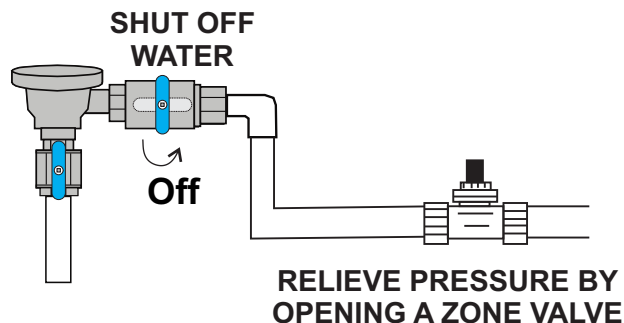


Step 1 - Locate the installation point

Connection must be made after an approved back flow prevention device. The connection can be made either **vertically or horizontally** in the irrigation main line. The connection may be installed above or below the tank without issue.

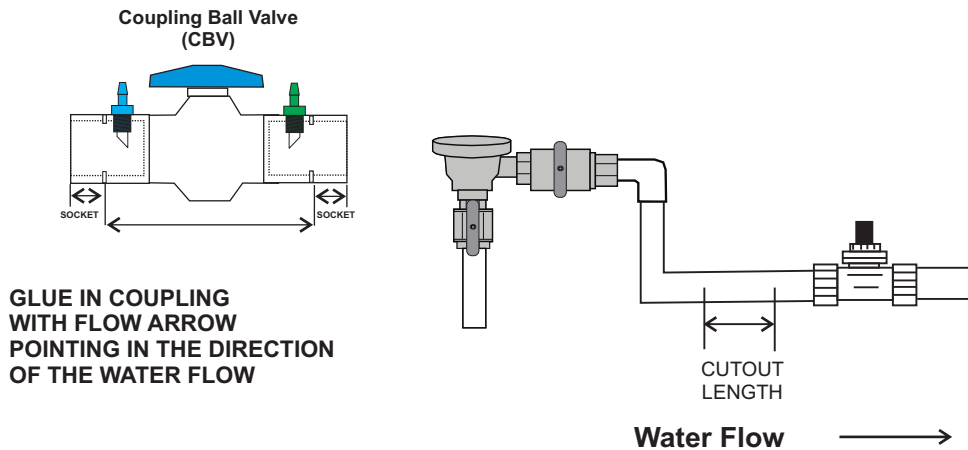


Step 2 - Shut off water and relieve pressure

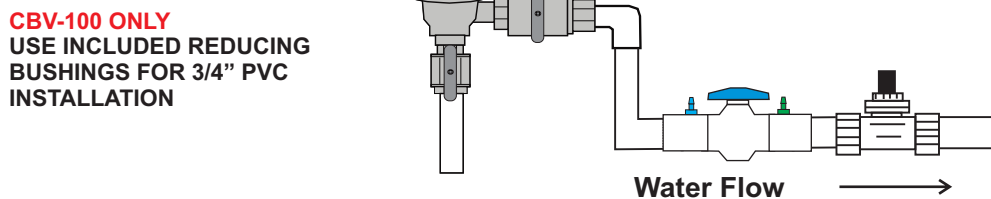


System Installation: Connection

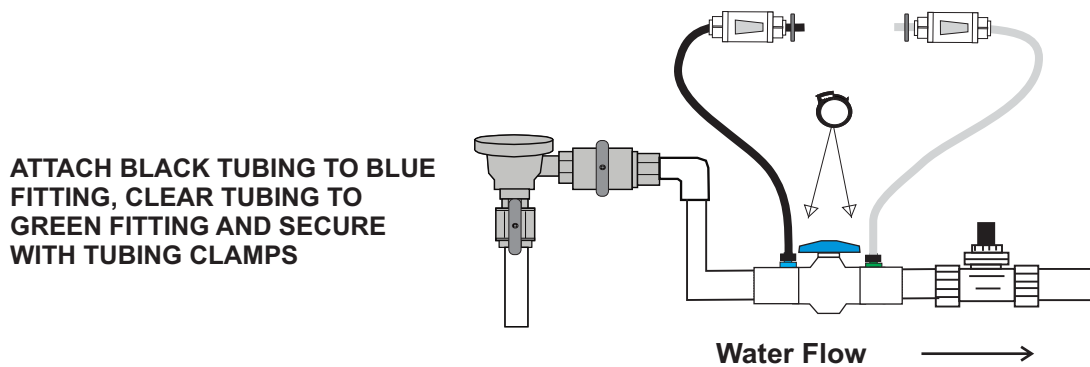
Step 3 - Cut out a section of pipe slightly larger than the cut out length of the coupling.



Step 4 - Glue the coupling into the line.



Step 5 - Attach tubing to the coupling.



*Instructions for calibrating the CBV connection is on page 8.

System Installation: Initial Fill

Step 6 - The EZ-FLO system can be filled with any liquid or water soluble product. EZ-FLO MAXX-PRODUCTS are specifically designed for use with all fertigation and irrigation systems.

Fill the tank based on the product's coverage recommendations.

Typical Fertilizer Coverage Rates:

Liquid- 1 Gallon per 10,000 sqft every 4 to 6 weeks
 Powder- 1 Pound per 1,000 sqft every 4 to 6 weeks

Model	Tank Size	Maximum Capacity
EZ010-HC	10.0 Gallon	75 lbs dry or 10.0 gal liquid
EZ017-HC	17.5 Gallon	150 lbs dry or 17.5 gal liquid
EZ025-HC	23.0 Gallon	225 lbs dry or 23.0 gal liquid

* ALL TANK CAPACITIES ARE APPROXIMATE *

Step 7 - Prepare the system for filling with Maxx Products or alternate fertilizer.

Remove the Fill Cap from the tank (older versions will have a ball valve) by simply using hand pressure and turning to the left.

Retain the cap and O-Ring near the tank in a clean space.

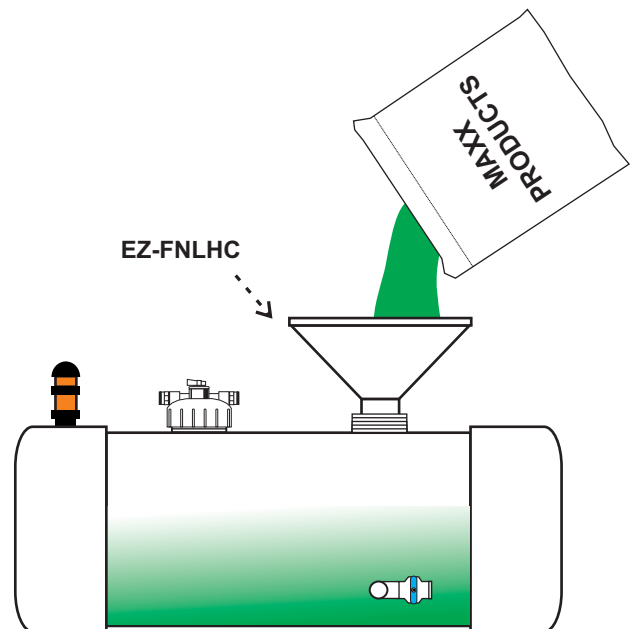
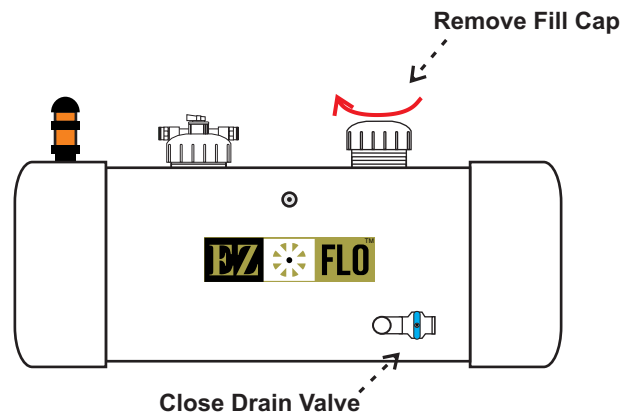
Confirm the Drain Valve is in the closed position.

Step 8 - Insert the EZ-FLO High Capacity Funnel into the fill port on the tank (optional).

Pour in the desired product or combination of products.

The system may be filled to 100% of capacity with liquid and/or water soluble products.

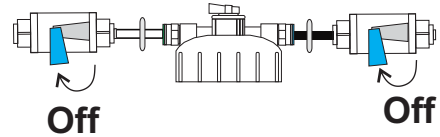
*If the product is not colored, add dye, blue or green dye is generally the most visible.



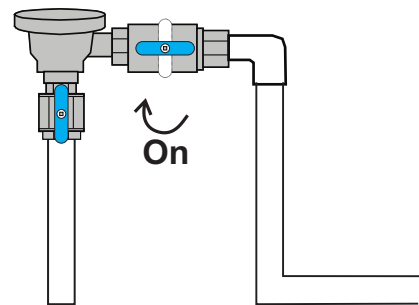
System Installation: Initial Fill

Pressurize System

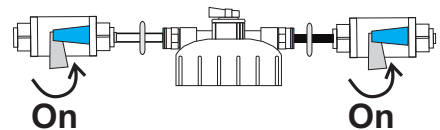
Step 9- Reconfirm the Shut Off Valves are in the off position.



Turn water on at back flow preventer opening valve slowly to minimize hydraulic shock / water hammer.



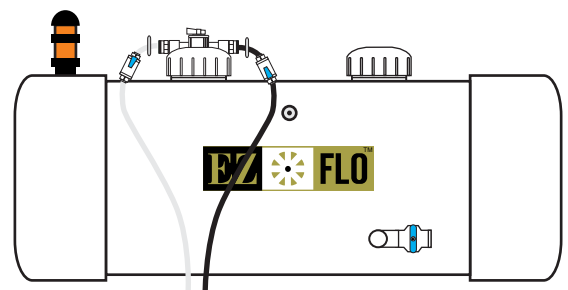
Turn on both Shut Off Valves at the proportioning cap.



Allow the tank to pressurize and view all connections for leaks.

IF LEAKING CHECK O-RINGS FIRST

Located under fill cap and proportioning cap

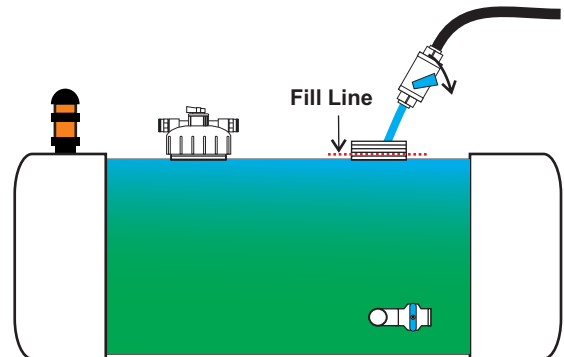


System Installation: Initial Fill

Step 10 - Remove the fill funnel (EZFNL-HC) and **fill any remaining room with fresh water.**

Water soluble powders will leave air space in the tank and must be topped off with a fluid. The fluid may be a compatible liquid product such as Hydro-Maxx, fresh water, or a combination.

If using only liquid products, this step may be skipped if the tank is filled to its maximum capacity.

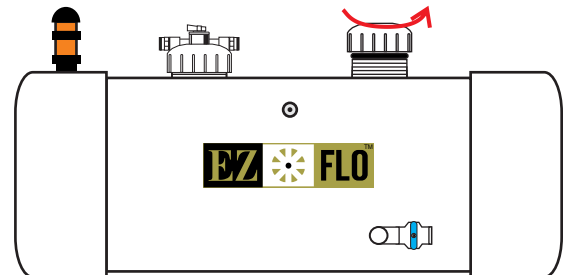


**DO NOT LEAVE AIR IN THE TANK
MAY CAUSE FRACTURE**

Step 11- The Fill Cap and O-Ring may be put back in place and secured by hand tightening only.

With the O-Ring seal and proprietary thread design, the Fill Cap can be sealed with minimal effort. **Do not use a wrench.**

IF LEAKING CHECK O-RING

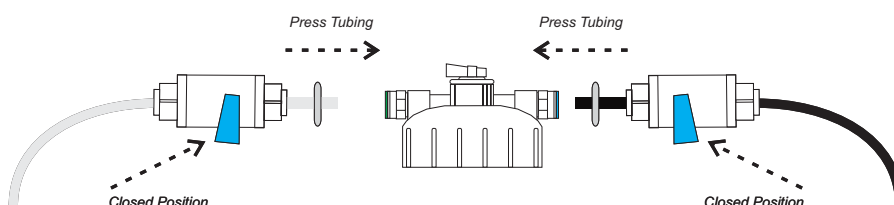
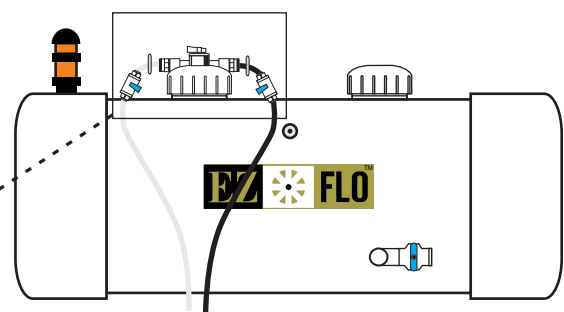


The system is now ready to be connected to the irrigation system.

Step 12 - Attach tubing to the cap:

Clear to Green / Out & Black to Blue / In

Make sure the Shut Off Valves are in the closed position

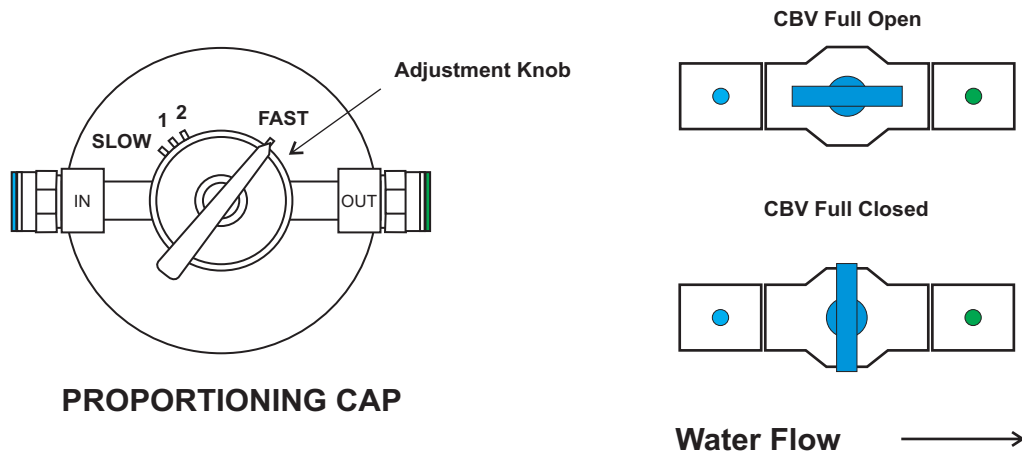


Connector Calibration- Coupling Ball Valve

The CBV connection must be calibrated to the flow rate of your irrigation system. If the irrigation system is higher flow, primarily composed of spray heads or larger drip irrigation zones, adjustment to the CBV may not be required.

The EZ-FLO system must be full of fertilizer which provides a color that can be used to indicate flow through the clear line. If your fertilizer is not colored, add blue or green dye to the tank.

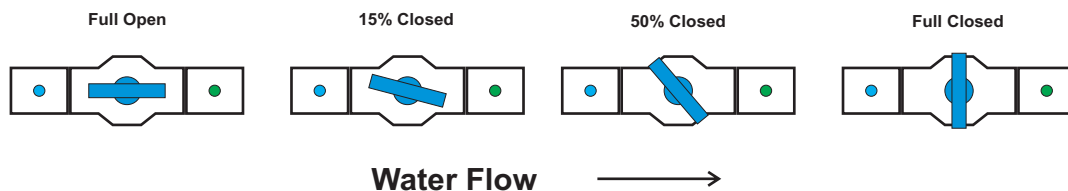
Start by setting the proportioning cap adjustment setting to the fast position and the CBV in full open position.



Step 13 - Turn on a sprinkler or drip zone with the closest to average gallons per minute flow rate and watch the clear fertilizer-out tubing for color

If color is steadily flowing through the clear output tube, the CBV does not require adjustment. **Please note the color in the tube will be lighter than the color in the tank due to the mixing**

If color is not flowing, slowly turn the CBV to the closed position in small increments, stopping once color begins to flow.



Once color is visible, you no longer have to adjust the CBV connection. You may leave it in position permanently. **Full closed is not common and may indicate improper installation or filling of the system.**

Set the Proportioning Cap feed rate to the desired level. **Please note, color will be lighter on the slower feed rate settings.**

Adjusting the ball valve will not affect the performance of the irrigation system. The valve closure is only necessary when the irrigation system is not operating at full capacity. Water is diverted through the EZ-FLO system as a bypass and reintroduced downstream of the valve eliminating the pressure and flow loss.

Set Feed Adjustment

Set Feed Adjustment

Step 14 - Set the flow rate by adjusting the adjustment knob to the proper setting.

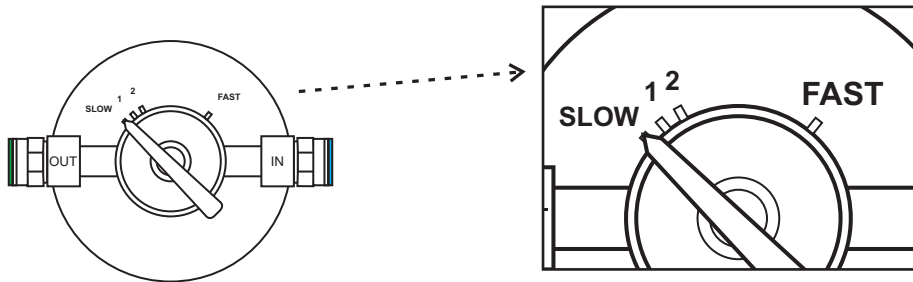
Slow Setting - is used for normal and most common setting in regions with high watering requirements such as hot dry climates or sandy soils.

#1 Setting - is used for normal maintenance in regions with more moderate climates and moderate watering schedules where soils have good moisture retention.

#2 Setting - is used to encourage fast growth or to quickly improve the condition of a landscape in poor condition. The unit will empty more quickly and can be refilled more often.

Fast Setting - is used to for periodic fertilization. The unit will empty more quickly and can be refilled more often.

Setting	*Ratio	OZ. of fertilizer per gal. of water	Based on Watering Frequency*
Slow	15000:1	.008 (1/20 tsp)	4+ days per week
1	8000:1	.017 (1/10 tsp)	3 days per week
2	2000:1	.064 (2/5 tsp)	2 days per week
Fast	400:1	.320 (2 tsp)	1 day per week



*Ratio refers to the amount of water mixed with the fertilizer. For example, a 400:1 ratio means 400 gallons of water will be mixed with 1 gallon of fertilizer. The adjustment knob can be set in between settings if desired. ***These ratios are approximate because feed rates can vary by the type of product being distributed. Ratios are provide as a general guideline only.*** The watering frequency guideline is general and for convenience only. Additional caution and care should be taken when using a feed setting faster than #1.

Gallons Of Water Until Empty

The following table shows the approximate gallons of water required to distribute the fertilizer from the EZ-FLO system at the various flow settings.

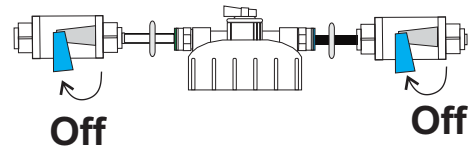
Model	EZ010-HC	EZ017-HC	EZ025-HC
Slow	150,000	262,500	345,000
# 1	80,000	140,000	184,000
# 2	20,000	35,000	46,000
Fast	4000	7,000	9,200

More detailed application instructions are available on our website: www.ezflorfertilizing.com

Quick Refill Guide

Step 1 - Turn off the water using the Shut Off Valves, both valves must be closed.

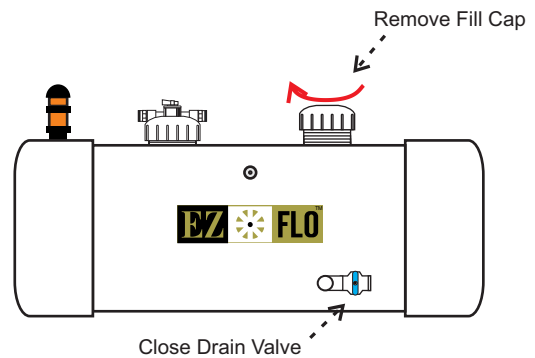
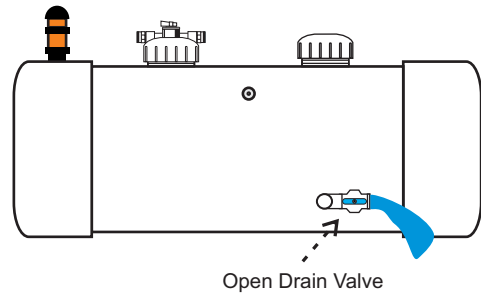
Valves may stay attached to the cap for filling or removed for rinsing and filling



Step 2 - Open the Drain Valve allowing for depressurizing and drain until empty. Remove the Fill Cap to allow for faster draining.

The system will be full of fresh water when fertilizer is gone.

Some products may leave a slight residual. This may be left in the tank or flushed out.

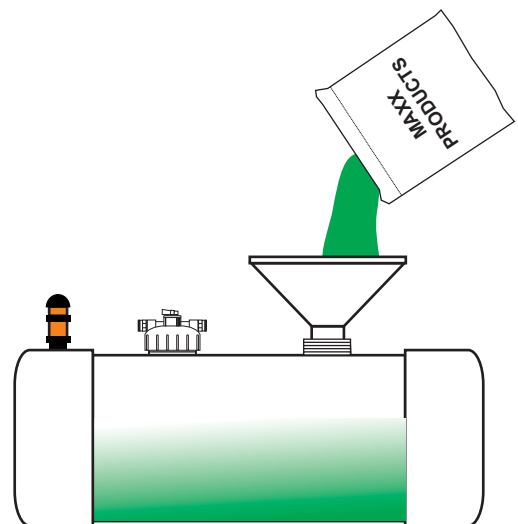


Step 3 - Remove Fill Cap & Close Drain Valve

Step 4 - Fill tank with product

Reference Fill Section on page 6 for Tank Maximum Capacities

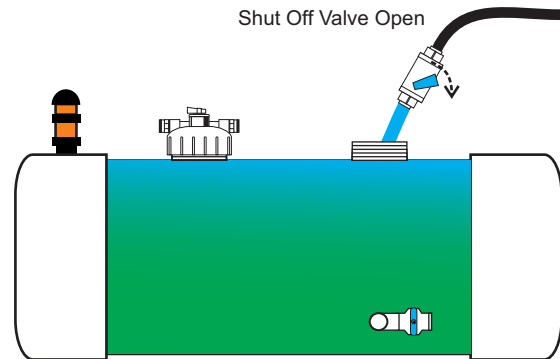
Results depend on product quality, use **MAXX-PRODUCTS** for best performance



Quick Refill Guide

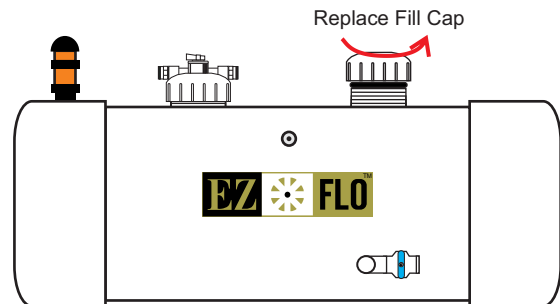
Step 5 - Fill tank with water by opening Shut Off Valves or hose until full

**DO NOT LEAVE AIR
IN THE TANK**



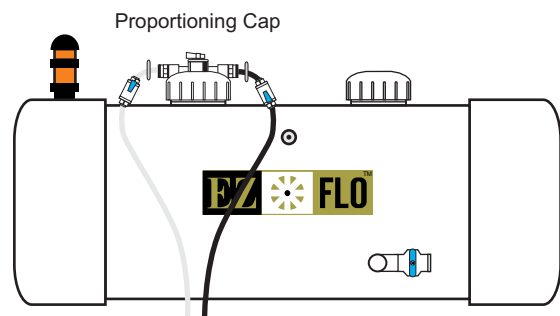
Step 6 - Screw on Fill Cap

*Check to make sure O-Ring is in place prior to screwing the cap back on.



Step 7 - Turn on both Shut Off Valves at the Proportioning Cap

Allow the tank to pressurize and view all connections for leaks



Frequently Asked Questions

How much product to put into the tank?

Refer to the product label and tank capacity. The system feeds very slowly and it is difficult to over fertilize when using the system properly. Typical rates are 1 gallon of liquid per 10,000 sqft of landscape per month and 10 lbs of dry powder fertilizer per 10,000 sqft of landscape per month.

What fertilizer can I use?

Almost any liquid or water soluble powder product. All Maxx-Products work with the system and are specifically engineered for fertigation. Do not use dry broadcast fertilizers, they are not compatible and may cause damage to the EZ-FLO or Irrigation system.

Can I use weed killer/ herbicide in the system?

Typically no, hazardous products are not recommended for use in the EZ-FLO system and the application of herbicide should be tightly controlled.

What cap setting should I use?

Slow and #1 are the most common settings and generally the safest unless you are familiar with the fertilizer product and injection system. The closer to fast, the faster the system will run out of product.

How often do I need to refill?

This will vary on landscape size and watering schedule. If you follow the EZ-FLO sizing and use recommendations, you will typically last 4 to 6 weeks. If your landscape is smaller it will last longer. If the landscape is larger or you water heavily, the system will empty faster.

How do I know when to refill?

The system can be checked for color by viewing the clear output tubing during irrigation operation. If the fertilizer color is gone, you need to refill the system.

Alternatively, you may let the system run without fertilizer and refill based on a set schedule or desired results.

How do I know it is working?

When the irrigation system is running and the system is full of fertilizer, watch the clear output tube for color. You may adjust the cap from slow to fast to see the color change. You can use blue or green food dye to add color to the fertilizer.

Frequently Asked Questions

Will I over fertilize?

No. When the unit is set on the maintenance (Slow) setting it feeds in small amounts. It applies less fertilizer over the same period of time than applying in large amounts once every 6 weeks.

Will the system clog drip irrigation?

No. The EZ-FLO and Maxx-Products can help clean drip systems and make them work effectively.

If product is mixed with water, will it dilute?

This depends on the product but the patented flow process prevents dilution. EZ-FLO dispenses products slowly over a long period of time so if dilution occurs, it will not effect the products performance.

Will the fertilizer stain?

EZ-FLO MAXX-PRODUCTS and most fertilizers will not stain when dispensed through the EZ-FLO system. Check with manufacturers of other products to confirm they will not stain prior to use.

How do I winterize the system?

Simply close the Shut Off Valves, disconnect it from the irrigation system and drain the tank.

The system did not inject any fertilizer

Refer to the “connector calibration” and set the CBV to a further closed position.

The system is emptying too fast

Confirm you used the correct Cap Setting and check the “connector calibration” page 9 and adjust the CBV to a more open position.

My system is always full of water, is it working?

Yes! This is part of our patent and you can review the videos on our website to see how it works: ezfloinjection.com

All EZ-FLO systems have been specifically designed and engineered to be installed by a professional irrigation or landscape contractor but may be installed by the end user without voiding the warranty. Improper installation or use could cause risk of water contamination due to back flow or tank rupture. Failure to follow all safety instructions and warnings could result in serious bodily injury. Improper installation or use of the system voids all warranties.