

YARD FEEDER™

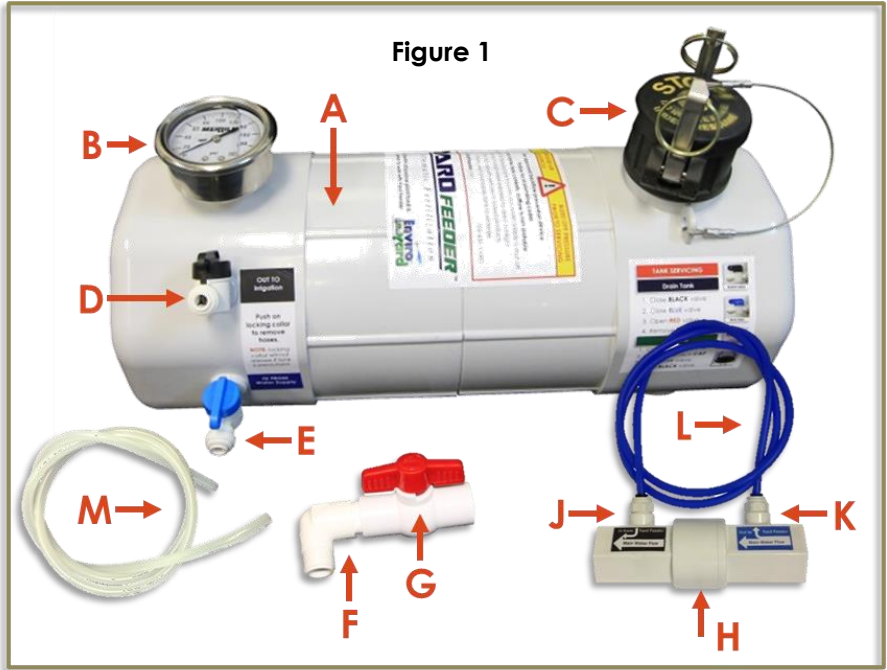
Automatic Fertilization

Owner's Manual

Safety
Set Up
Servicing



PARTS IDENTIFICATION



- | | |
|-----------------------------|---|
| A. Yard Feeder® Tank | G. Red Drain Valve |
| B. Pressure Gauge | H. Flow Inducer |
| C. Fill Cap | J. Black Flow Inducer Fitting |
| D. Black Tank Valve | K. Blue/White Flow Inducer Fitting |
| E. Blue Tank Valve | L. Blue ¼" Hose |
| F. Drain Assembly | M. Clear ¼" Hose |

Not pictured: tank lifting strap

WARNINGS & CAUTIONS



Release pressure before removing cap (C). To release pressure, **slowly** open red drain valve (G).



Use an approved back flow prevention device upstream of the flow inducer. Professional installation to ensure local plumbing codes are followed is recommended. (Backflow prevention device not included.)



Do not drink tank contents. Outflow is non-potable.



Do not grasp pressure gauge as a lifting handle.

IMPORTANT INFORMATION



Install the flow inducer (H) with flow arrows facing out to lawn and landscape. Installing backwards weakens your irrigation system and quickly drains the tank.



Place the Yard Feeder tank (A) level and upright for proper operation. The fill cap (C) should face straight up.



Fill the tank to the top of the filler neck to eliminate trapped air.



Fully dissolve soluble products before adding to tank. Undissolved granules may clog the system.



Drain, vent & disconnect tank to winterize, or when continuous water supply is shut off.



Install Yard Feeder out of direct sunlight. Installation in direct sunlight voids the warranty.



Water pressure must be between 20-100 psi. Install a pressure regulator if required. Static pressure above 100 psi voids the warranty.



Do not use petroleum based products. Use of petroleum based products voids the warranty.

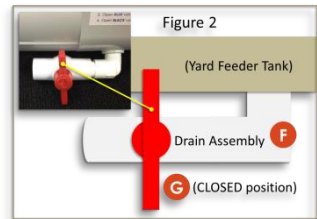
INSTALLATION

The following instructions are for standard 1" irrigation systems. For ¾" irrigation lines, install the flow inducer using ¾" couplings or 1" x ¾" reducer bushings (not included). For larger lines, see *Alternate Flow Inducer Installation Instructions*.

Professional installation is recommended to adhere to local plumbing codes. To prevent backflow, install a Pressure Vacuum Breaker, Reduced Pressure Zone, Anti-Siphon Valve, or similar device even if local codes do not require one.

Setup (see figures 2 & 3)

1. Turn off water at the backflow prevention device.
2. Locate a space to install the Yard Feeder tank (A) near and downstream from the backflow prevention device. **Install tank out of direct sunlight** in a jumbo valve box or under other cover.
3. Provide a level 2" bed of gravel for tank drainage.
4. Screw the drain assembly (F) into the bottom of the Yard Feeder tank until no threads are visible and the drain assembly is parallel to the tank. **Close the drain valve (G)** so the red handle is as shown at right.
5. Place the Yard Feeder tank on the gravel bed with the fill cap (C) facing straight up. Tank should sit level.



Install & Connect the Flow Inducer (see figures 3 & 4)

6. Remove a section of irrigation line to insert the flow inducer (H) between the backflow preventer and the valve manifold. Leave sufficient play in the line to insert the flow inducer.
7. Prime and glue the flow inducer into the irrigation line **with the flow arrows in the direction of the water flow**.
8. Release the blue hose (L) from the black flow inducer fitting (K), uncoil the hose, and connect the free hose end to the blue tank valve (E).

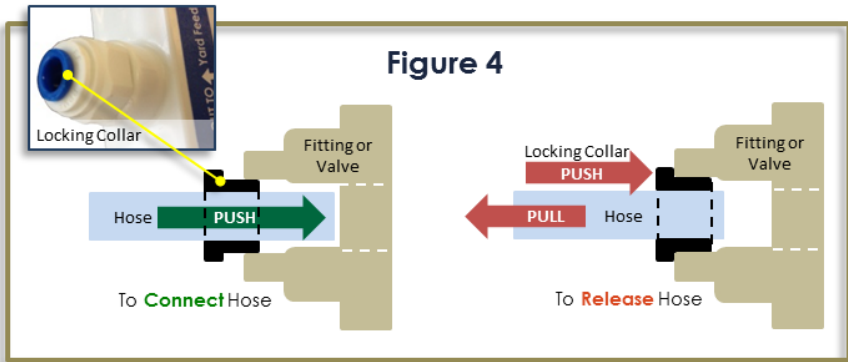
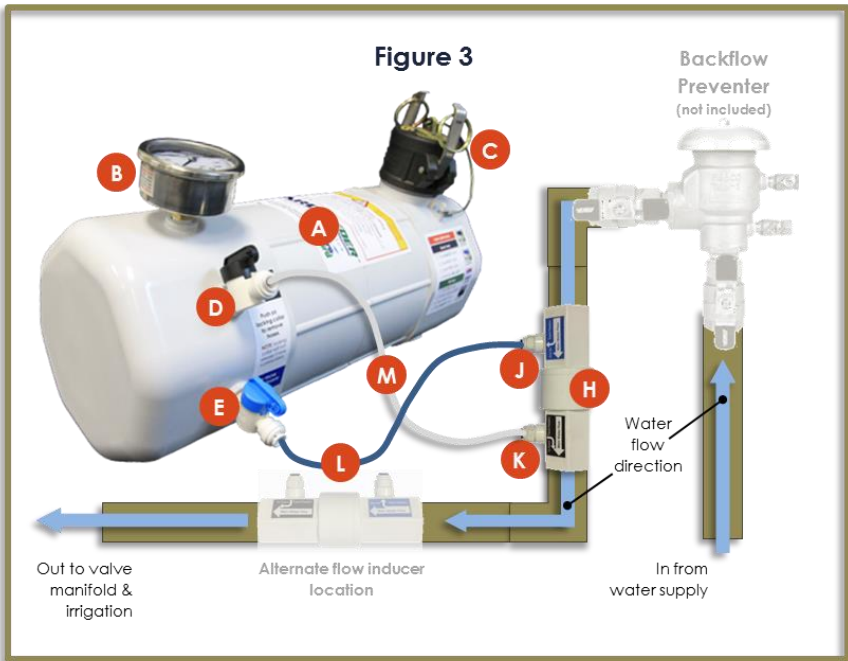
Tip: To **release** a hose from a fitting or valve, depress and hold the locking collar while pulling on the hose (see figure 4). A ¼" open-end wrench is useful for depressing and holding the locking collar. To **insert** a hose, simply push in firmly until it stops.
9. Release the clear hose (M) from the blue tank valve (E), uncoil the hose, and connect the free hose end to the black flow inducer fitting (K).

Place in Service

10. Remove the fill cap (C) and fill the tank with a high quality liquid or water soluble fertilizer. Do not use petroleum based products.

11. **Fill the tank to the top of the filler neck** to remove all trapped air.
12. Replace the fill cap and lock in place by pulling the two locking levers up.
13. Turn water on at your backflow prevention device and check for leaks. If gauge (B) shows water pressure exceeding 100 psi, install a pressure regulator upstream from the flow inducer and reduce the pressure.

Check your Yard Feeder periodically to ensure serviceability.

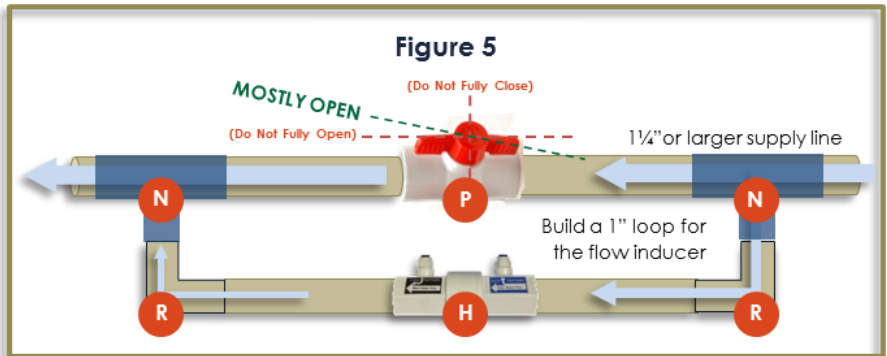


For questions, contact us at info@YardFeeder.com or 702-631-9273

ALTERNATE FLOW INDUCER INSTALLATION INSTRUCTIONS

The flow inducer fits a 1" irrigation system. On a ¾" irrigation system, use two ¾" couplings or two 1" x ¾" reducer bushings.

To install the flow inducer on a 1¼" or larger system without reducing water flow, install the flow inducer in a 1" loop as shown in figure 5 below. The instructions describe a 1¼" system. For larger diameter systems, substitute appropriately sized elbows, T-fittings, and ball valve (parts not included).



1. Shut off the irrigation system water supply and depressurize the system.
2. Remove a section of the existing irrigation system to insert a 1" bypass loop. Save the removed piece to fill the gaps in step 3.
3. Install two 1¼" x 1" T-fittings (N) and a 1¼" ball valve (P). Use the removed section of 1¼" line to fill the gaps between the T-fittings and the ball valve.
4. Build the 1" loop using 1" PVC, two 1" elbow fittings (R) and the flow inducer (H). Install the flow inducer with the flow arrows in the direction of the water flow.
5. Connect the Yard Feeder system to the flow inducer. Refer to Installation Instruction steps 8-9.

Adjust the ball valve so it is mostly open. **Do not fully close or fully open the ball valve.** "Mostly open" diverts flow through the flow inducer loop without significantly affecting system performance.

To increase fertilizer flow, adjust the ball valve less open; to decrease fertilizer flow, adjust the ball valve more open.

SERVICING YOUR YARD FEEDER

Yard Feeder fully dispenses tank contents within a few days. Refill with EnviroYard® all-purpose plant food 2-3 times a year or as needed (see page 9 for details).

To Refill (refer to figure 1 for parts)



Tank is pressurized. DO NOT REMOVE CAP (C) without carefully releasing pressure. Close the black and blue valves (D & E) by turning the valve handles one-quarter turn clockwise, then **slowly open red drain valve (G).**

1. **With red drain valve open**, remove fill cap (C) by depressing the two locking levers. Tank will empty quickly once cap is removed.
2. **Close the red drain valve** when your tank is empty.
3. Fill the Yard Feeder tank to the top of the filler neck with EnviroYard liquid fertilizer or other liquid product.

Tip: To prevent clogs, **fully dissolve soluble fertilizers before adding to tank.**

4. Replace fill cap and lock in place by pulling the two locking levers up.
5. Turn the black and blue valves one-quarter turn counter-clockwise to restore tank function. Ensure there are no leaks.

To Clear a Clog

Clogs may occur if soluble fertilizer is not fully dissolved before adding to the tank, the water supply is shut off for an extended period, or under similar circumstances. If a clog occurs:

1. Shut off water at the backflow prevention device.
2. Close black and blue valves (D & E) by turning one quarter turn clockwise.
3. Open an irrigation valve downstream to release pressure. **Leave the downstream irrigation valve open during the remainder of this operation.**
4. Switch the hoses at the tank: connect the blue hose (L) to the black valve (D); connect the clear hose (M) to the blue valve (E).
5. Open the black and blue valves one quarter turn counter clockwise.
6. Turn water on at the backflow prevention device for 30-60 seconds, then shut water off again.
7. Close black and blue valves and return hoses to their original position (blue hose to the blue valve, clear hose to the black valve).
8. Open black and blue valves.
9. Turn on water at the backflow preventer.
10. Close the downstream irrigation valve and check system for leaks.

PARTS & ASSEMBLIES

Your Yard Feeder should give you many years of trouble-free service. However, should you need extra parts, EnviroYard® fertilizer, or additional Yard Feeder systems for other applications, please write us at info@YardFeeder.com.

Description	Shipping Dimensions & Weight		Part No.
Systems and Fertilizer			
2 Gallon Yard Feeder System	18x12x12	13 lbs.	0602MYF
3.5 Gallon Yard Feeder System ¹	20x14x13	22 lbs.	0835YF
5 Gallon Yard Feeder System ¹	24x14x13	24 lbs.	0805YF
10 Gallon Yard Feeder System ¹	29x16x16	38 lbs.	1010YF
15 Gallon Yard Feeder System ¹	32x18x18	49 lbs.	1215YF
30 Gallon Yard Feeder System ¹	Freight / pallet ³		1630YF
40 Gallon Yard Feeder System ¹			1640YF
EnviroYard® 2.5 gallon jug ²	7x10x15	27 lbs.	25GEY
EnviroYard® 5 gallon case ²	14x10x15	54 lbs.	225GEY
Parts			
Flow inducer	7x5x4	1 lb.	1YFI
½" Drain (for 2 & 3.5 gal. systems)	7x5x4	1 lb.	5YFD
1" Drain (for 5 gal. & larger systems)	7x5x4	1 lb.	1YFD
No-spill funnel	Contact us		15CFA
Pressure gauge	7x5x4	1 lb.	2PG
Blue shutoff valve	7x5x4	1 lb.	25PIV
Black shutoff valve	7x5x4	1 lb.	25PIVE
Blue flow inducer fitting	7x5x4	1 lb.	25PIF
Black flow inducer fitting	7x5x4	1 lb.	25PIFE
Cam-lock fill cap	7x5x4	1 lb.	15CLF
Carry strap & handle	7x5x4	1 lb.	0608YFSTR

¹ Contact us at info@YardFeeder.com for assistance in sizing your system

² Not available in all states; contact us for details

³ Yard Feeder tank sizes 30 gallon and larger are secured to a pallet and shipped freight. Contact us for further information.

Recommended Fertilizer

EnviroYard®

All Purpose Plant Food
for Drip or Sprinkler Irrigation Systems



Designed for Yard Feeder®.

High quality nutrients, organic matter
& multi-sourced carbon.

Conditions the soil, improves nutrient availability,
and helps roots make full use of water.

Contributes to healthy, good looking grass,
trees, flowers and shrubs.

Used on golf courses, parks, commercial
properties and sports fields across the country
– wherever resilient, strong, good looking
landscaping is needed.



Busch Stadium
St. Louis MO

Not available in all states.

LIMITED TWO YEAR WARRANTY

GRO-Systems warrants the Yard Feeder® fertilization system to the original purchaser to be free from defects in materials and workmanship for two (2) years from the date of purchase. GRO-Systems will also assume manufacturers' warranties for parts and accessories integrated into the Yard Feeder fertilization system. This warranty only covers the Yard Feeder fertilization system and does not extend to user property affected by the use of Yard Feeder, nor to improper use, abuse, unauthorized repairs, alterations, UV damage, water pressure over 100 psi, or material failure due to the use of petroleum based products.

Responsibilities: GRO-Systems will assess all warranty claims and cause for failure, and determine a remedy. At its sole discretion, GRO-Systems will repair or replace the Yard Feeder system and/or integrated parts as is determined suitable and necessary for proper Yard Feeder system function. GRO-Systems may authorize a retailer or installer to repair or replace warranted products on its behalf. If system replacement is required, GRO-Systems will replace with a like system of equal or greater value.

User will contact GRO-Systems or its authorized retailer or installer with an explanation of the warranty claim. If requested, the user will provide dated proof of purchase and will properly package and ship their Yard Feeder system to GRO-Systems at 911 American Pacific Drive, #160, Henderson, NV 89014, and will provide prepaid return shipping. User assumes any risk with regard to shipping.

Disclaimer: All information on Yard Feeder is provided by GRO-Systems and, to the extent permitted by law, is provided without additional warranty of any kind, expressed or implied, including but not limited to any implied warranties of merchantability, non-infringement, or fitness for any particular purpose. GRO-Systems does not guarantee results nor warrant suitability other than as described in the Owner's Manual. User agrees to assume all risk and liability in connection herewith. This warranty is valid from the original purchase date and is not extended by any warranty claims or replacements. Customers may contact GRO-Systems to discuss the conditions of any warranty claim. All remedies and decisions made by GRO-Systems under this warranty are final.

For Warranty Claims:

Contact GRO-Systems at **702-631-9273**, or **Info@YardFeeder.com** to ensure warranty replacement or service is required.

When authorized by GRO-Systems to return a Yard Feeder for warranty work, properly package it and related parts and ship to GRO-Systems, 911 American Pacific Drive, #160, Henderson, NV 89014.

Include the following in the return package:

- Explanation of warranty claim
- Proof of purchase with date and location of purchase
- Prepaid return shipping label
- All original parts and accessories included in the kit (excluding flow inducer and blue hose)



www.YardFeeder.com

GRO-Systems, LLC
911 American Pacific Drive, #160
Henderson, Nevada 89014
702-631-9273

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Solutions 4Earth is a soil and environmental science company
specializing in next-generation, non-toxic nutrients for
maximum plant growth with favorable ecological impact.