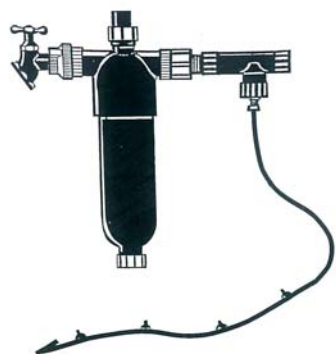
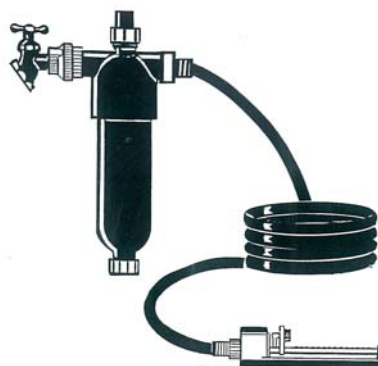


Drip Irrigation System and Hose-End Sprinkler/Spray Header



Drip Irrigation System



Hose-End Sprinkler/Spray

Installation, Operation and Maintenance

The **Drip Irrigation System Header** consists of five components: anti-siphon valve (or backflow prevention device), Add-It® fertilizer injector, filter with stainless steel element, 19 PSI preset pressure regulator, and 3/4" PVC adaptor fittings. When attaching to a hose bib, start by attaching the backflow prevention device to the hose bib or garden valve. Next, attach the Add-It® fertilizer injector, followed by the filter. Lastly, attach the pressure regulator. Now you're ready to attach an adaptor which will allow you to attach the poly hose supply line for your drip irrigation system. When attaching to a 3/4" anti-siphon valve, begin by attaching the 3/4" PVC adaptor fittings. Note, when you use the manifold for a hose-end sprinkler/spray or as a foliar feeder, remove the pressure regulator, allowing for full water pressure.

The fertilizer injector - Fertilizer must be in liquid form when it's poured into the proportioning Add-It® fertilizer injector and foliar feeder. If using a premixed liquid, usually you can pour it in full strength. If using a dry, totally water-soluble granular fertilizer such as Scotts Miracle-Gro® or Peters Professional®, Bandini Pro Choice®, or Grow More®, premix with water at a ratio of 1 to 1 1/4 pound of dry formula (i.e. one small bag of Miracle-Gro® general purpose plant food, 15-15-15 or 20-20-20) to 1 gallon of water. If desired, you may make the concentration of fertilizer twice as strong. Read and follow the manufacturer's directions printed on the fertilizer container. When using the drip irrigation system manifold in a drip irrigation system, you may also want to consider dispensing a wetting agent (surfactant) like Grow More E-Z Wet Soil Penetrant 26® to help breakup compacted soils, compost tea to increase micro-organisms in the soil, micro-nutrients or Vitamin Institute's SUPERthrive™ containing vitamins and hormones for healthier plants, or vitamin B-1 when transplanting trees and shrubs. Usually, 1 gallon of liquid fertilizer will cover approximately 1,000 square feet, according to most manufacturers' specifications. When using the **Drip Irrigation System Header** as a sprinkler feeder for lawns, remove the pressure regulator and only pour a liquid solution of fertilizer or wetting agent into the additive tank! When using the **Drip Irrigation System Header** as a foliar feeder for trees and shrubs, again, remove the pressure regulator and only pour in a solution of fertilizer, no other additive!

The Add-It® fertilizer injector and foliar feeder holds one pint of liquid additive and requires a minimum flow rate through the irrigation system of 1/2 gallons per minute (GPM) to make it operate. To initially fill the Add-It® fertilizer injector and foliar feeder, remove the top fill cap. Insert the fill funnel into the opening and pour in one pint of liquid solution. Fill the tank *completely*. Replace the top cap, and the Add-It® fertilizer injector is ready for operation. Turn on the irrigation system at the hose bib. It will take 35 gallons of water passing through the injector to empty it. For example, if you know that your flow rate is 2 gallons per minute (GPM), simply divide 35 by the flow rate of your system. It will take approximately 18 minutes to not only water your trees, shrubs and lawn, but also fertilize them as well. Extreme care must be taken before pressurizing the Add-It® injector. **Always** be sure that the unit is *completely* full of either additive or water.

When the time comes to refill the Add-It® fertilizer injector and foliar feeder, simply turn off the water supply at the hose bib. Remove both the bottom drain cap and the top fill cap. Allow all of the water to drain from the unit and replace the bottom drain cap. Place the fill funnel in the top opening and recharge the Add-It® injector. Replace the top fill cap and turn on the irrigation system. Once you have completed watering, it is not necessary to drain the unit. If there is fertilizer or additive still in the tank, it will be dispensed the next time you operate your irrigation system. Once all the additive has been dispensed, it will not harm the unit to have water running through it when you are not fertilizing. On the contrary, the clear water passing through the Add-It® injector will help keep it clean inside. Fertilize as often as recommended by the fertilizer manufacturer during the growing season, at least once a month. For optimum plant growth and health, we recommend that you refill the Add-It® proportioning fertilizer injector on a monthly or bimonthly basis during the growing season.

The Add-It® fertilizer injector and foliar feeder can be left outside, attached to the hose bib (or garden valve). It can also be moved from valve to valve to fertilize other areas. If you choose to leave the unit outside during the winter months, and there is a possibility of freezing, it is highly recommended that the unit be left drained and vented to atmosphere to prevent damage.

Warranty

The entire **Drip Irrigation System Header** is guaranteed for a period of one year from the date of purchase against defective materials and workmanship when installed and operated per instructions and used in a normal manner. Buyer assumes all responsibility for safety and use not in accordance with instructions and directions.

Strong Injectors™

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