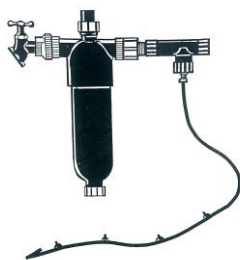
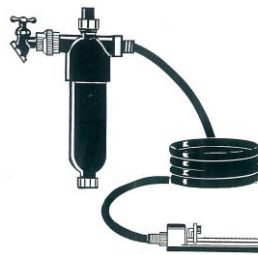


# AFI 5016-H and AFI 5016-HV **Add-It®** Fertilizer Injector Installation, Operation and Maintenance



**Drip Irrigation System**



**Hose-End Sprinkler/Spray**

**IMPORTANT:** If your Add-It injector came with an anti-siphon vacuum breaker, attach it first to the hose bib before attaching the injector. This pint capacity Add-It fertilizer injector requires a minimum flow rate of ½ GPM to operate and is **NOT** designed to be installed under constant line pressure, or intermittent pressure exceeding 60 PSI. It is designed to be attached to a hose bib or garden valve with hose threads. The female hose swivel is the inlet side and the male hose thread is the outlet side of the injector. Do **NOT** use a wrench to tighten the hose swivel on the injector. Only hand tighten! The inlet/outlet of the injector should be as horizontal as possible with the tank hanging down vertically. The Add-It injector should **NEVER** be installed in direct sunlight. If there is a chance of freezing, drain the unit leaving it vented to atmosphere. Never use a petroleum based product in this injector. **ALWAYS** be sure the Add-It injector is completely full of either additive or water before operating the irrigation system!

If your Add-It fertilizer injector came with an anti-siphon valve, attach it first to the hose bib before attaching the 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 1¼ 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. Fish emulsion or any petroleum-based additive can only be used in the Add-It injector when they have been premixed with water at a 1 to 1 ratio. Read and follow the manufacturer's directions printed on the fertilizer container. When using the Add-It as an injector 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 (or 8 pints) of liquid fertilizer will cover approximately 1,000 square feet, according to most manufacturers' specifications. When using the Add-It as a foliar feeder for lawns, only pour a liquid solution of fertilizer or wetting agent into the additive tank! And, when using the Add-It as a foliar feeder for trees and shrubs, only pour in a solution of fertilizer, no other additive!

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 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. Consult the chart below to determine how many gallons of water will pass through the irrigation system to empty the Add-It Proportioning Fertilizer Injector and Foliage Feeder. For example, let's say that you've installed the Add-It injector into a drip irrigation system, and the flow rate of 2 gallons per minute (GPM). After consulting the chart below, you know it will take 15 gallons of water passing through the injector to empty it. Divide 15 by the flow rate of 2 GPM. You now know it will take approximately 8 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.

Model	Inlet/Outlet	Capacity	Minimum Flow Rate	Gallons to Empty
AFI 5016-H	¾" FHT x ¾" MHT	Pint	½ GPM	15

When the time comes to refill the Add-It injector, 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 use the Add-It Proportioning Fertilizer Injector and Foliar Feeder 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. **Never** install in direct sunlight.

## Warranty

The Add-It Fertilizer Injector and Foliar Feeder 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.

The **Add-It®** proportioning fertilizer injector was featured in **Sunset** magazine, seen on HGTV's **Gardening by the Yard**, and is member tested and recommended by the **National Home Gardening Club!**

## **Strong Injectors™**

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