

Add-It®
Series 30000 - 30 Gallon Capacity
Automatic Proportioning Fertilizer Dispenser
INSTALLATION AND OPERATION

The Add-It® automatic fertilizer dispenser can be installed in any irrigation system where controlled application is desired. Through its unique hydraulic design, the existing water flow forces water into the additive tank. And then, that same flow forces the mixture back into the main line, It's amazing, yet simple!

There must be a minimum flow rate of water passing through the dispenser for it to function:

MODEL	SIZE INLET & OUTLET	MINIMUM FLOW RATE (GPM)
AFI 30000-50	1/2" FPT	1/2
AFI 30000-75	3/4" FPT	2
AFI 30000-75H	3/4" FHT x 3/4" MHT	2
AFI 30000-10	1" FPT	5
AFI 30000-15	1-1/2" FPT	10
AFI 30000-20	2" FPT	20

And, a minimum of 10 PSI (pounds per square inch) of pressure in the irrigation system where the dispenser is installed.

Care must be taken in insuring that anything that is placed into the fertilizer tank cannot flow back into the potable water system. An approved backflow device, such as a check, anti-siphon valve, or reduced pressure backflow preventer, must be installed upstream from the fertilizer dispenser. The dispenser should be mounted lower than the backflow prevention device and higher than the irrigation system. Do not operate at pressures exceeding 125 PSI. This dispenser may be operated under constant pressure.

CONSULT WITH YOUR WATER DISTRICT FOR LOCAL CODES AND REGULATIONS

The inlet and outlet of the dispenser are opposite each other. The inlet and outlet may be rotated 360 degrees, or to any angle that assists in the installation.

Fertilizer must be in liquid form when it's poured into the Add-It® fertilizer dispenser. If using a premixed liquid, you can pour it in full strength. If using dry, totally water soluble granular fertilizer, such as Scott's Miracle Gro®, Peters Professional®, Bandini Pro Choice®, or Grow More® premix with water at a ratio of 1 pound of dry formula to 1 gallon of water. Fish emulsion or any petroleum based additives can only be used in the dispenser if they have been premixed with water at a 1 to 1 ratio. Read and follow the directions printed on the container of fertilizer. Usually, 1 gallon of fertilizer will cover 1,000 square feet.

When assembling the 'T' section onto the top of the dispenser, hand tighten only! Never use pliers or a wrench of any type. When inserting a threaded male adaptor or pipe nipple into the inlet or outlet, again, do not use a wrench except maybe for the last half to full turn. Apply teflon tape to the male threads before inserting them into the dispenser. Usually 2 to 3 wraps will be sufficient.

To fill the dispenser, remove the top fill cap which is on top of the unit. Insert the fill funnel which came with the dispenser into the opening, and pour in 30 gallons of liquid solution. Remove the fill funnel, replace the cap, and the dispenser is ready for operation.

Turn on the irrigation system. It will take approximately 6,000 gallons of water passing through the irrigation system to empty the Add-It® dispenser completely. For example, let's say that your irrigation system is operating at a flow rate of 50 gallons per minute. Knowing that it takes 6,000 gallons of water to empty the dispenser, divide this number by the flow rate of 50 GPM. You now know that it will take you 120 minutes (or 2 hours) to not only water, but also fertilize.

When time comes to refill the dispenser before you have completed watering, simply turn off the water by closing the control valve, and remove both the drain cap on the bottom and the fill cap on the top. Allow all of the water to drain from the tank, and replace the bottom drain cap. Place the fill funnel in the top fill opening and refill the dispenser. Replace the fill cap and turn the irrigation system back on.

Once you have completed watering, there is no need to drain the fertilizer tank, unless you want to refill it to have it ready for your next irrigation cycle. 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 dispenser will help keep it clean.

Fertilize as recommended during the growing season. During the winter months, if there is a possibility of freezing in your area, it is highly recommended that the tank be left drained and vented to atmosphere. Also, consider covering the tank to further protect it from the elements, especially the sun's ultraviolet light, by painting it with a water-soluble acrylic latex house paint.