



**Add-It™ & Fertilizer Caddy™**  
Automatic Proportional Fertilizer Injectors

**CATALOG**



# Add-It™ & Fertilizer Caddy™

## An Economical Way to Apply Nutrients While You Irrigate

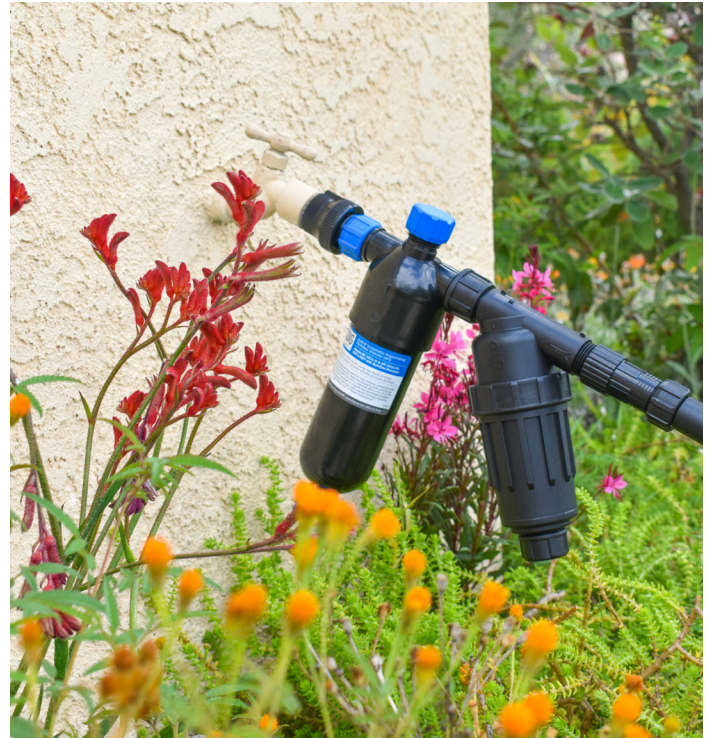
No pump or outside power source is required. Simply use the Add-It™ & Fertilizer Caddy™ to apply the optimum rate of liquid fertilizer or additive to benefit your plants.

## Simple and Easy to Install

Install in a few simple steps into a drip irrigation system, conventional sprinkler system or hose-end system.

## Benefits Your Plants

The Add-It™ & Fertilizer Caddy™ Automatic Proportional Fertilizer Injectors have been designed for use with any brand of liquid fertilizer including water-soluble dry fertilizers, such as Scotts Miracle Gro®, Peters Professional®, Bandini Pro Choice® or Grow More®, when pre-blended with water.



## Applies Fertilizer Proportionally

The Add-It™ & Fertilizer Caddy™ dispense fertilizer and additives at a consistent, predetermined rate, eliminating the problem of uneven application.



Residential



Commercial



Agricultural



Greenhouse



The Add-It™ & Fertilizer Caddy™ are economical, flexible and easy-to-use proportional fertilizer injectors with up to a five-gallon capacity. The injectors mix the fertilizer and feed the plants automatically and proportionally without a pump or spreader hose and are designed for above-ground use, sub-surface drip irrigation or conventional sprinkler systems. The Add-It™ and Fertilizer Caddy™ can be used with any brand of liquid and water-soluble fertilizers for residential, commercial, agricultural, and greenhouse applications.

## Features

- Designed for use in any irrigation system with up to 80 PSI
- Applies the optimum rate of liquid fertilizer or additive with no leftover residues or minerals
- Available in varying tank and canister sizes with capacities of 1 pint, 1 ½ quarts, .5, 1, 2, 3 and 5 gallons (.5, 1.4, 1.9, 3.8 and 7.6 liters)
- Can be installed above or below grade inside an irrigation box
- Constructed of heavy-walled UV-resistant PVC without any moving parts, making them very reliable and offering maintenance-free operation
- Preset to apply a specific ratio consistently and proportionately versus quantitative injectors that apply a specific amount of fertilizer

## Specifications

- 1-Pint injector operating pressure: 10 to 60 PSI (.7 to 4.1 BAR)
- 1.5 Quart to 5 Gallon injector operating pressure: 10 to 80 PSI (.7 to 5.5 BAR)
- Minimum operating pressure: 10 PSI (.7 BAR)
- Minimum flow rate: .5 to 20 GPM, depending on size
- Sizes: 1 pint, 1 ½ quarts, .5, 1, 2, 3 and 5 gallons (.5, 1.4, 1.9, 3.8 and 7.6 liters)
- Temperature range: up to 130°F (54°C)
- Inlet and outlet threads in 3/4", 1", 1 1/2" & 2": FHT, FPT or BSP
- Material: PVC
- Mounting: Vertical and Horizontal
- Color: black or white
- Preset ratio for 1 pint injectors; 100:1 (water:fertilizer)
- Preset ratio for 1.5 quart to 5 gallon injectors; 200:1 (water:fertilizer)





# Add-It™ & Fertilizer Caddy™

The Add-It™ & Fertilizer Caddy™ are highly recommended for above-surface or sub-surface drip irrigation system installation. Fertilizer injectors are the only way to efficiently apply liquid and water-soluble fertilizers while conserving nutrients and water.

## Why is Liquid Fertilizer Recommended?

Studies have shown that all fertilizers must be in liquid form before they can be absorbed by plants. The properties of liquid fertilizers are far different from dry forms (such as time-release pellets) by the manner in which they move through the soil and become available to plants.

Liquid fertilizer (which includes water soluble fertilizer that has been premixed with water) is faster and superior to dry forms when applied frequently and in small amounts. This enables plants to absorb the nutrients before they are washed away or move below the root area. This also means that there are no stress periods of higher or lower levels of fertilizer to inhibit growth, and no leaching can take place by over watering, which might contaminate natural waters.



## How the Add-It™ & Fertilizer Caddy™ Operate

The fertilizer additive is placed into the fertilizer injector tank. As the irrigation system operates, a small amount of water is diverted from the main line flowing through the fertilizer injector into the top of the tank by utilizing a specially designed, color-coded, flow-controlled nozzle.

Since the specific gravity of the fertilizer solution in the bottom of the tank is greater than that of the added water, the water floats on top of the fertilizer solution and does not mix with it, so the concentration of the fertilizer solution remains the same from the beginning to the end of the cycle. The slight pressure differential created between the inlet and outlet draws the fertilizer solution from the bottom of the tank until all that is left in the tank is water.

## Technical

The primary advantage of DIG's Proportional Fertilizer Injectors, other than ease of use, is the fact that there is no pressure loss and there are no moving parts to wear out.

## Add-It™ Tee Assembly Color Code and Flow Sections

Add-It Fertilizer Injector Flow Control Assembly				Fertilizer Injector Size					
				1.5 Quarts	1/2 Gallon	1 Gallon	2 Gallons	3 Gallons	5 Gallons
Part #	Inlet/Outlet Size	Orifice ID (in)	Color	Flow to Empty					
71-050G	1/2"	0.050	Green	75	100	200	N/A	N/A	N/A
71-060R	3/4"	0.060	Red	75	100	200	400	600	1000
71-070B	1"	0.070	Black	75	100	200	400	600	1000
71-097Y	1 1/2"	0.970	Yellow	N/A	N/A	200	400	600	1000
71-101G	2"	0.108	Gray	N/A	N/A	200	400	600	1000

## Accessories

### Add-It™ Manifold Tee Assembly, Poly Riser & Union

Part #	Description
AFI-75TU	3/4" FPT x 3/4" FPT
AFI-75-HTU	3/4" FHT x 3/4" MHT
AFI-10TU	1" FPT x 1" FPT
AFI-15TU	1 1/2" FPT x 1 1/2" FPT
AFI-20TU	2" FPT x 2" FPT



### Add-It™ Manifold Assembly w/ Union & 150 m SS Screen Filter

Part #	Description
AFI-75TUF	3/4" FPT x 3/4" FPT w/ 3/4" 155 m SS screen filter
AFI-75-HTUF	3/4" FHT x 3/4" MHT w/ 3/4" 155 m SS screen filter
AFI-10TUF	1" FPT x 1" FPT w/ 1" 155 m SS screen filter
AFI-15TUF	1 1/2" FPT x 1 1/2" FPT w/ 1 1/2" 155 m SS screen filter
AFI-20TUF	2" FPT x 2" FPT w/ 2" 155 m SS screen filter



### Fertilizer Caddy™ Manifold Assembly

Part #	Description
GMPC-75MA	3/4" FPT x 3/4" FPT
GMPC-75-HMA	3/4" FHT x 3/4" MHT
GMPC-10MA	1" FPT x 1" FPT
GMPC-15MA	1 1/2" FPT x 1 1/2" FPT
GMPC-20MA	2" FPT x 2" FPT



### Fertilizer Caddy™ Manifold Assembly w/ 150 mm SS Screen Filter

Part #	Description
GMPC-75MAF	3/4" FPT x 3/4" FPT w/ 3/4" 155 m SS screen filter
GMPC-75-HMAF	3/4" FHT x 3/4" MHT w/ 3/4" 155 m SS screen filter
GMPC-10MAF	1" FPT x 1" FPT w/ 1" 155 m SS screen filter
GMPC-15MAF	1 1/2" FPT x 1 1/2" FPT w/ 1 1/2" 155 m SS screen filter
GMPC-20MAF	2" FPT x 2" FPT w/ 2" 155 m SS screen filter



# Add-It™ & Fertilizer Caddy™

## Add-It™ Model Numbers

Model #	Tank Size	Inlet/Outlet Size	Min. Flow GPM	Min. Flow GPH	Gallons to Empty	Color	Dimensions
<b>Vertical Layout</b>							
AFI 5016-H	1 pint	3/4" FHT x 3/4" MHT	0.5	30	15		4" W x 11" H
AFI 5016-HV	1 pint	3/4" FHT x 3/4" MHT	0.5	30	15		4" W x 11" H
AFI 5025	1.5 quarts	1/2" FPT x 1/2" FPT	0.5	30	75	Green	9" L x 5" W x 7" H
AFI 7525	1.5 quarts	3/4" FPT x 3/4" FPT	2.0	120	75	Red	9" L x 5" W x 7" H
AFI 7525-H	1.5 quarts	3/4" FHT x 3/4" MHT	2.0	120	75	Red	9" L x 5" W x 7" H
AFI 7525-HV	1.5 quarts	3/4" FHT x 3/4" MHT	2.0	120	75	Red	9" L x 5" W x 7" H
AFI 1025	1.5 quarts	1" MPT x 1" MPT	5.0	300	75	Black	9" L x 5" W x 7" H
AFI 5050	1/2 gallon	1/2" FPT x 1/2" FPT	0.5	30	100	Green	12" L x 8" W x 10" H
AFI 7550	1/2 gallon	3/4" FPT x 3/4" FPT	2.0	120	100	Red	12" L x 8" W x 10" H
AFI 1050	1/2 gallon	1" FPT x 1" FPT	5.0	300	100	Black	12" L x 8" W x 10" H
AFI 5010	1 gallon	1/2" FPT x 1/2" FPT	0.5	30	200	Green	14" L x 8" W x 10" H
AFI 7510	1 gallon	3/4" FPT x 3/4" FPT	2.0	120	200	Red	14" L x 8" W x 10" H
AFI 1010	1 gallon	1" FPT x 1" FPT	5.0	300	200	Black	14" L x 8" W x 10" H
AFI 1510	1 gallon	1 1/2" FPT x 1 1/2" FPT	10	600	200	Yellow	14" L x 8" W x 10" H
AFI 2010	1 gallon	2" FPT x 2" FPT	20	1200	200	Gray	14" L x 8" W x 10" H
AFI 7520	2 gallons	3/4" FPT x 3/4" FPT	2.0	120	400	Red	22" L x 8" W x 10" H
AFI 1020	2 gallons	1" FPT x 1" FPT	5.0	300	400	Black	22" L x 8" W x 10" H
AFI 1520	2 gallons	1 1/2" FPT x 1 1/2" FPT	10	600	400	Yellow	22" L x 8" W x 10" H
AFI 2020	2 gallons	2" FPT x 2" FPT	20	1200	400	Gray	22" L x 8" W x 10" H
<b>Horizontal Layout</b>							
AFI 3000-50	3 gallons	1/2" FPT x 1/2" FPT	1	30	600	Green	22" L x 8" W x 16" H
AFI 3000-75	3 gallons	3/4" FPT x 3/4" FPT	2	120	600	Red	22" L x 8" W x 16" H
AFI 3000-75-H	3 gallons	3/4" FHT x 3/4" MHT	2	120	600	Red	22" L x 8" W x 16" H
AFI 3000-10	3 gallons	1" FPT x 1" FPT	5	300	600	Black	22" L x 8" W x 16" H
AFI 3000-15	3 gallons	1 1/2" FPT x 1 1/2" FPT	10	600	600	Yellow	22" L x 8" W x 16" H
AFI 3000-20	3 gallons	2" FPT x 2" FPT	20	1200	600	Gray	22" L x 8" W x 16" H
AFI 5000-50	5 gallons	1/2" FPT x 1/2" FPT	0.5	30	1000	Green	26" L x 8" W x 16" H
AFI 5000-75	5 gallons	3/4" FPT x 3/4" FPT	2.0	120	1000	Red	26" L x 8" W x 16" H
AFI 5000-75-H	5 gallons	3/4" FHT x 3/4" MHT	2.0	120	1000	Red	26" L x 8" W x 16" H
AFI 5000-10	5 gallons	1" FPT x 1" FPT	5.0	300	1000	Black	26" L x 8" W x 16" H
AFI 5000-15	5 gallons	1 1/2" FPT x 1 1/2" FPT	10	600	1000	Yellow	26" L x 8" W x 16" H
AFI 5000-20	5 gallons	2" FPT x 2" FPT	20	1200	1000	Gray	26" L x 8" W x 16" H

**NOT** recommended to be installed under constant line pressure

**Note:** HV models include a vacuum breaker

## Fertilizer Caddy™ Model Numbers

Model #	Tank Size	Inlet/Outlet Size	Min. Flow GPM	Min. Flow GPH	Gallons to Empty	Color	Dimensions
GMPC 5025	1.5 quarts	1/2" FPT x 1/2" FPT	0.5	30	75	Green	9" L x 5" W x 7" H
GMPC 7525	1.5 quarts	3/4" FPT x 3/4" FPT	2.0	120	75	Red	9" L x 5" W x 7" H
GMPC 7525-H	1.5 quarts	3/4" FHT x 1/2" MHT	2.0	120	75	Red	9" L x 5" W x 7" H
GMPC 1025	1.5 quarts	1" MPT x 1" MPT	5.0	300	75	Black	9" L x 5" W x 7" H
GMPC 5050	1/2 gallon	1/2" FPT x 1/2" FPT	0.5	30	100	Green	12" L x 8" W x 10" H
GMPC 7550	1/2 gallon	3/4" FPT x 3/4" FPT	2.0	120	100	Red	12" L x 8" W x 10" H
GMPC 7550-H	1/2 gallon	3/4" FHT x 3/4" MHT	2.0	120	100	Red	12" L x 8" W x 10" H
GMPC 1050	1/2 gallon	1" FPT x 1" FPT	5.0	300	200	Black	12" L x 8" W x 10" H
GMPC 50100	1 gallon	1/2" FPT x 1/2" FPT	0.5	30	200	Green	14" L x 8" W x 10" H
GMPC 75100	1 gallon	3/4" FPT x 3/4" FPT	2.0	120	200	Red	14" L x 8" W x 10" H
GMPC 75100-H	1 gallon	3/4" FHT x 3/4" MHT	2.0	120	200	Red	14" L x 8" W x 10" H
GMPC 10100	1 gallon	1" FPT x 1" FPT	5.0	300	200	Black	14" L x 8" W x 10" H
GMPC 15100	1 gallon	1 1/2" FPT x 1 1/2" FPT	10	600	200	Yellow	14" L x 8" W x 10" H
GMPC 20100	1 gallon	2" FPT x 2" FPT	20	1200	200	Gray	14" L x 8" W x 10" H
GMPC 75200	2 gallons	3/4" FPT x 3/4" FPT	2.0	120	400	Red	22" L x 8" W x 10" H
GMPC 75200-H	2 gallons	3/4" FHT x 3/4" MHT	2.0	120	400	Red	22" L x 8" W x 10" H
GMPC 10200	2 gallons	1" FPT x 1" FPT	5.0	300	400	Black	22" L x 8" W x 10" H
GMPC 15200	2 gallons	1 1/2" FPT x 1 1/2" FPT	10	600	400	Yellow	22" L x 8" W x 10" H
GMPC 20200	2 gallons	2" FPT x 2" FPT	20	1200	400	Gray	22" L x 8" W x 10" H
GMPC 75300	3 gallons	3/4" FPT x 3/4" FPT	2	120	600	Red	22" L x 8" W x 16" H
GMPC 75300-H	3 gallons	3/4" FHT x 3/4" MHT	2	120	600	Red	22" L x 8" W x 16" H
GMPC 10300	3 gallons	1" FPT x 1" FPT	5	300	600	Black	22" L x 8" W x 16" H
GMPC 15300	3 gallons	1 1/2" FPT x 1 1/2" FPT	10	600	600	Yellow	22" L x 8" W x 16" H
GMPC 20300	3 gallons	2" FPT x 2" FPT	20	1200	600	Yellow	22" L x 8" W x 16" H
GMPC 75500	5 gallons	3/4" FPT x 3/4" FPT	2.0	120	1000	Red	26" L x 8" W x 16" H
GMPC 75500-H	5 gallons	3/4" FHT x 3/4" MHT	2.0	120	1000	Red	26" L x 8" W x 16" H
GMPC 10500	5 gallons	1" FPT x 1" FPT	5.0	300	1000	Black	26" L x 8" W x 16" H
GMPC 15500	5 gallons	1 1/2" FPT x 1 1/2" FPT	10	600	1000	Yellow	26" L x 8" W x 16" H
GMPC 20500	5 gallons	2" FPT x 2" FPT	20	1200	1000	Gray	26" L x 8" W x 16" H

**NOT** recommended to be installed under constant line pressure





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