

GrifTek *DIY* PowerPost Irrigation Kits

Designed, engineered & manufactured with versatility, cost effectiveness, simplicity, durability and customization in mind, the GrifTek DIY PowerPost Kit is your next best friend in satisfying irrigation demands. Simply attach the Patent Pending GrifTek Bracket (hardware supplied) to a pipe, fence, wood stake, display table or whatever is suitable to your setting, and you have created a custom irrigation solution. It's that easy!!!

Objectives:

- **Reduce Water Consumption** – by using GrifTek systems you will diminish irrigation water consumption by 50% – 96% versus typical methods such as hand watering and impact sprinklers (see chart).
- **Diminish Irrigation Labor** – unique and simplistic design permits untethered/hands free operation allowing multi-tasking activities during operation. Commercial grade magnet allows for unique uses such as plant racks.
- **Improve Plant Health & Growth** – consistent and uniform water distribution provides ideal growing conditions thereby diminishing waste.
- **Eliminate Need & Cost of Infrastructure Buildout** – No hard pipes or trenching required, simply attach to a typical garden hose. Multiple DIY Kits may be daisy chained together for simplistic ease of use.



Figure 1-GrifTek Bracket attached to Wood Stake w/ Screws



Figure 2-GrifTek Bracket attached to Metal Tube with UV rated Zip Ties

Benefits & Considerations:

- **Customize** – GrifTek DIY Kits are flexible, adaptable and can be easily modified to adjust to the changing plant type, height, foliage density, display/rack, and hydration needs. Units are easily adjustable in their application allowing for distinct and economical water zone locations. Water distribution zones, heights and droplet sizes are customizable to the approximate dimensions of the grow areas and plant types.
- **Quality & Ease of Use** – Employing the reliable and proven cam lock component architecture, the Patent Pending GrifTek Bracket enables quick and secure connecting/disconnecting of hoses, as well as an array of customized water distribution sprinklers without the need of tools. A ruggedized shutoff valve provides water flow control & a convenient means to turn on/off.
- **Plant & Environmentally Friendly** - Water droplets penetrate deeply into the soil in a slow method while mitigating soil erosion, nutrient runoff, and evaporation.
- **Durability** - Components are formulated with the highest quality resins which are UV resistant designed to withstand the test of time.



Garden Center, Nursery & Backyard Applications

V1-112221

Assume 100' Garden Hose @ 5/8" as water source hose @ 35PSI

GrifTek Standard Components vs HWW
**Also integrates with Drip /Soaker Line*
**Custom solutions available too*

Water Consumption (Gallons Per Hr.)

Water Zone Pattern & Water Distribution (Degrees)

Radius of Water Zone

	<p>One (1) Hand Watering Wand (HWW)</p>	<p>667 GPH</p>	<p>N/A</p>	<p>N/A</p>
	<p>One (1) Impact Sprinkler</p>	<p>158 GPH 76% < HWW</p>	<p>Varied Circle (360)</p>	<p>36'-38'</p>
	<p>One (1) Xcel Wobbler</p>	<p>330GPH 50% < HWW</p>	<p>Inclusive Uniform Circle (360)</p>	<p>25'-30'</p>
	<p>One (1) Mini Wobbler</p>	<p>117GPH 82% < HWW</p>	<p>Inclusive Uniform Circle (360)</p>	<p>20'</p>
	<p>One (1) T-Spray System</p>	<p>~112GPH 83% < HWW</p>	<p>Inclusive Uniform Circle (360)</p>	<p>7'</p>