

GrifTek PowerPost Irrigation Units

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 PowerPost units may be daisy chained together for simplistic ease of use.



Figure 1-GrifTek PowerPost 24", 36" & 48"

Benefits & Considerations:

- **Customize** - GrifTek units 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 mobile in their application (tabletop as well as any substrate) allowing for distinct and economical water zone locations. Water distribution zones and droplet sizes are customizable to the approximate dimensions of the display 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** - Units are commercial grade constructed of high gauge galvanized steel and components formulated with the highest quality resins which are UV resistant designed to withstand the test of time.



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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>