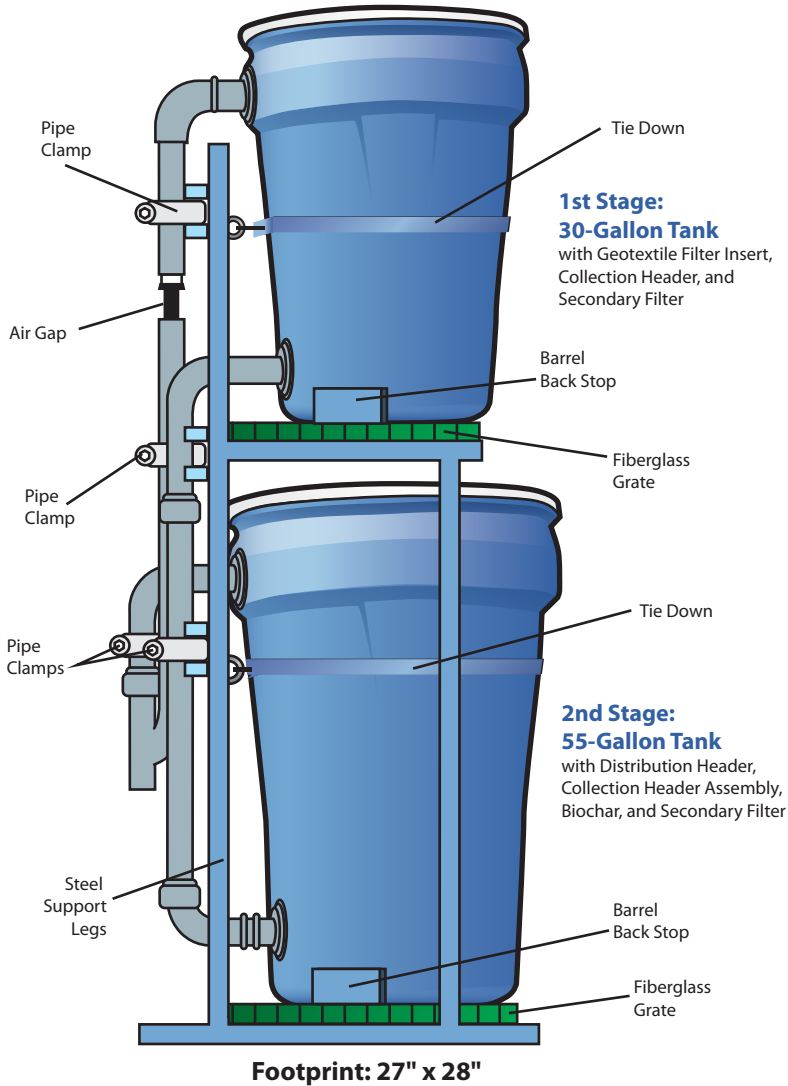


Dual Stage Upflow BioFilter



Footprint: 27" x 28"

Dimensions	Width	27"
	Depth	28"
	Height	76"
Flow Capacity		10+ gpm
1st Stage - 30-gallon	1st Filter	8-oz geotextile
	2nd Filter	Multi-weave Filter Cloth
2nd Stage - 55-gallon	Underdrain	Gravel with Multi-weave Filter Cloth
	Organic Media	Filter Grade BioChar
	Amount of Media	4 cu. Ft.
	Filtered Collection	Laundry with Syphon

There is a very unique, yet old school treatment process that has just entered into stormwater purity market. It has the ability to maximize flow capacity and solids contact with the reactive biofilter media. This, in turn, offers the ability to completely treat your facility's hotspots with a very tight, yet simple to service treatment process package.

- Unique in the way that a filter in an upflow configuration will tend to disrupt the ability of the stormwater to channel through the biochar media.
- Old school in the way that industrial upflow sand filters have been in use as river intake filters for over 40 years.

We can utilize virtually any filter media; however, the lab test results are focused solely on the use of a filter-grade biochar. Results that have showed 99% removal of metals over a year's service.

In a nutshell, we redirect the stormwater downspout into our 1st stage of separation...

- The stormwater flows through our geotextile filter insert – stripping out the suspended solids.
- The stormwater collects at the gravel underdrain (protected by a multi-weave filter cloth and gravity flows to the bottom of the 2nd stage.
- The stormwater is redistributed once entering into the 2nd stage of separation and flows upwards through the biochar media.
- The biochar media strips the total/dissolved metals, BOD, COD, and a limited amount of nutrients from the stormwater.
- The stormwater breaks away from the biochar and flows through a grated filter screen into a clearwell.
- The stormwater overflows into a laundry collection system and gravity discharges back to the downspout outlet.

Easy to Site: Our small process unit is tight enough to fit through 30" doorways and fit into very tight spaces.

Easy to Service: No tools are needed to service any part of this BioFilter process.

Easy to Maintain: The 1st stage insert is designed to be washed out and reused.



Gullywasher®

STORM WATER MANAGEMENT &
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www.gullywasher.com • (206) 799.3296 • jeff@gullywasher.com