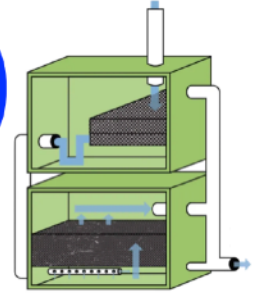




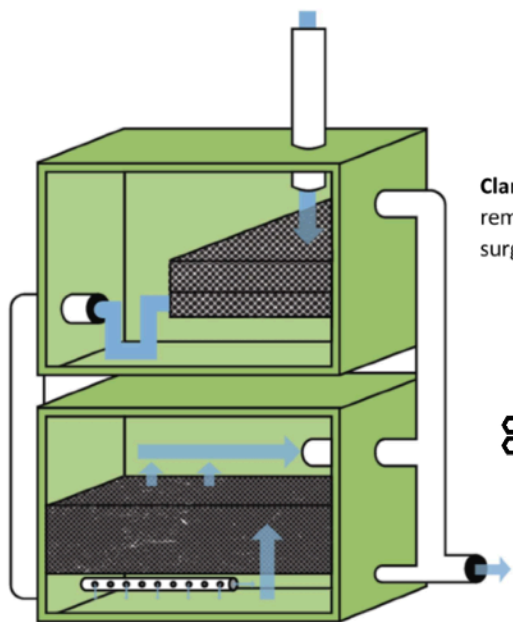
STACKED UPFLOW



Authorized Reseller

STACKED UPFLOW Stormwater Treatment Box contains either **BiocharBASIC™** or **BiocharPEAT™** Stormwater Filter Medias to capture these unwanted metals and other pollutants. **STACKED UPFLOW** is designed to get the most out of the media and have a highly effective life span for reducing zinc and copper along with many other pollutants from stormwater.

STACKED UPFLOW Stormwater Treatment Box made from two 275 gallon water tanks.



Clarifier: Sediment removal and storm surge control.

Stacked Upflow Manufactured by
 **BIOLOGICAL CARBON**



STACKED UPFLOW Options:

- Easy Media Replacement
- Choice of media: **BiocharBASIC™** or **BiocharPEAT™**

Stormwater **BIOCHAR**.com



- Study showed an average of 95% of Cu (Copper) and 99% of Zn (Zinc) were removed during three rain events with an 18 gpm average flow rate (Port Townsend, WA, Gray et al. 2015)
- The **STACKED UPFLOW** filters lowered Zn by an average of 99% during six rain events over 14 months (Aurora, OR)
- During six 12-hour rainfall events, the **STACKED UPFLOW** downspout filters (see table below) on average lowered Zn from 1.29 mg/L to 0.01 mg/L for 99.2% removal (Tualatin, OR).

FIELD ANALYSIS
Treatment Systems

Combined Downspouts				
Date of Test	12-hr Rainfall (in)	Influent Dissolved Zn (mg/L)	Effluent Dissolved Zn (mg/L)	% Reduction from Filter
9/25/2015	0.18	0.962	0.0076	99.2%
10/28/2015	0.26	0.992	0.0059	99.4%
1/28/2016	0.71	0.755	0.0000	100.0%
3/21/2016	0.16	1.81	0.0528	97.1%
10/31/2016	0.42	1.23	0.0061	99.5%
11/22/2016	0.38	2	0.0066	99.7%

STACKED UPFLOW Flow Rates:

- Design rate of 15 gpm
- Average field test rates of 16.1-19.3 gpm (head 13.3-16.5 in) (Gray et al.)



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Simple · Proven · Effective

THE RIGHT **BIOCHAR**,
THE RIGHT **BLEND**, DIALED IN.

