Zinc-B-Gone Removes Zinc and Copper from Rooftop Stormwater Runoff

StormwateRx has released the Zinc-B-Gone® line of stormwater filtration products for high performance, long lasting, and low-cost removal of zinc and copper from rooftop sources, guaranteed.

PORTLAND, Ore. (PRWEB) February 28, 2018 -- StormwateRx LLC, a provider of industrial stormwater treatment and filtration systems, today announced the availability of the Zinc-B-Gone® line of stormwater filters for the removal of dissolved zinc and copper to strict stormwater benchmark and numeric action levels. Stormwater runoff – particularly from galvanized roofing, galvanized HVAC equipment and roofs onto which process emissions are vented – is a significant source of toxic zinc and copper pollution flowing into rivers, lakes and other waterways. Zinc-B-Gone provides the highest level of performance and durability with the lowest life-cycle cost among commercially available zinc removal filters. The new product comes in two configurations: Zinc-B-Gone basic for attachment to downspouts and Zinc-B-Gone pro for monitored installations and large or combined downspouts with more complex water chemistry.

In addition to federal Multi-Sector General Permit (MSGP) benchmarks, many other states have enacted strict water quality standards for the amount of allowable zinc and copper in stormwater runoff, with mandatory corrective actions for industrial facilities that consistently discharge concentrations over the standards. Conventional zinc-coated steel roofs release between 1.0 to 3.0 mg/L (1,000 to 3,000 ug/L) of zinc in stormwater runoff – that’s 10 to 30 times typical benchmark values.

Zinc-B-Gone is guaranteed to reduce zinc concentrations as high as these to below the EPA benchmark for approved roof runoff applications, meeting federal and state requirements. For larger, more complex industrial applications, Zinc-B-Gone Pro meets the strictest requirements, removing up to 99.9% of zinc, 99.7% of copper and a multitude of other pollutants.

The Zinc-B-Gone basic systems provide easy, do-it-yourself installation for most downspout applications. The systems require no power, use no chemicals and have no moving parts. Each unit uses a layered, advanced media configuration developed by StormwateRx specifically for adsorption of dissolved zinc, copper and other heavy metals. Typical media life is 3-5 years. The Zinc-B-Gone filters are available with a debris screen and cover for easy and clean operation. The system uses the same patented, hydraulic flow control process used in the StormwateRx Aquip enhanced filtration systems.

Unlike other zinc filtration products that use compost, biochar or organic materials, Zinc-B-Gone does not discharge nutrients with the exiting, filtered stormwater, and it maintains high hydraulic throughput over time. Higher hydraulic throughput means more water can be treated in a smaller footprint at an overall lower cost. The systems are guaranteed to outlast and outperform any other commercially available rooftop zinc filtration product.

The Zinc-B-Gone systems include:

Zinc-B-Gone basic
- Fits small 3”x4” rectangular or round downspouts
- Compact design: L 46 in., W 26 in., H 42 in.; 950 lbs.
- Rated at 15 gpm clean
Treats up to 400,000 gallons
Can reduce zinc levels from 2-5 mg/L to benchmark or numeric action levels
Ideal for applications with suspended solids concentrations less than 10 mg/L
Greater than 10 lb dissolved zinc capacity
Lockable lid
Reversible: inlet/outlet can be on the right or left

Zinc-B-Gone Pro
- For complex stormwater applications
- Rated at 25 gpm to 600 gpm clean
- 3rd party verified removal: 99.9% zinc, 99.7% copper
- Separate pretreatment and filtration chambers for reduced maintenance
- Optimized flow distribution
- Internal, high-flow bypass
- Cover, freeze protection and other options available
- Forkliftable, rebuildable

About StormwateRx
StormwateRx designs, manufactures, installs and maintains stormwater treatment systems that help industrial sites across North America remove pollutants from stormwater runoff. Products include the Clara® stormwater separation system, Aquip® enhanced stormwater filtration system, Purus® advanced stormwater polishing system and Zinc-B-Gone for rooftop runoff applications. The company has supplied more than 500 systems for stormwater filtration and stormwater pollution control in the industrial sector, and is expert with retrofit design advice. For more information on how StormwateRx can help industrial sites comply with even the toughest environmental stormwater regulations, please visit www.stormwaterx.com.
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