

Sorbster® Hg-1

Ecologically Effective Contaminants Adsorption



Adsorbent Media for Mercury Removal

Sorbster® Hg-1 media is functionalized, enriched alumina media that covalently bonds soluble metals and trace contaminants to its active sites. Sorbster® Hg-1 has a very high proficiency for the rapid removal of soluble ionic Mercury from all water streams.

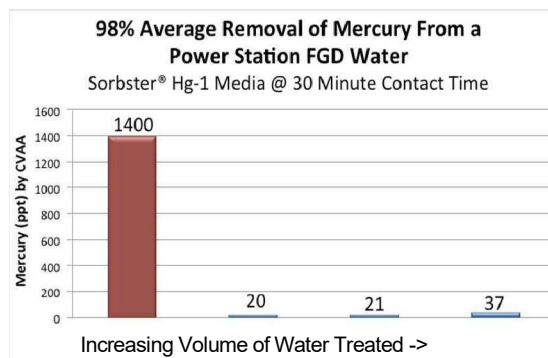
Features and Benefits

- Active and diverse chemistry, high surface area and a high macroporosity allow media to selectively capture and chemisorb Mercury
- Uniformly active throughout the media, resulting in excellent chemisorption and ultra-low-level discharge concentration
- Constant chemisorption kinetics across a wide variety of applications and water qualities, minimizing multiple process steps
- Sorbster® Hg-1's required contact time is low, resulting in a smaller equipment footprint and low CapEx
- May be used as a polishing media where existing solutions cannot perform to new permit requirements
- Effective over a broad temperature range up to 200°F
- Does not support bacteria growth
- Media passes EPA TCLP test and allows for nonhazardous disposal options, lowering or eliminating "hidden" costs



Product Specifications

Particle Size	Nominal 1/8" Granules
Bulk Density lbs./ft ³	60
Moisture Content	<10%
pH Range	3-10
Flux Rate	1-5 GPM/ft ²
Empty Bed Contact Time	10-30 minutes
Back Wash Bed Expansion	5%



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