

# 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.

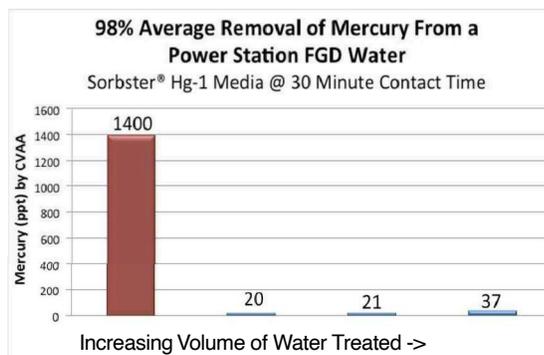


## Features and Benefits

- 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 <sup>3</sup> | 60                      |
| Moisture Content                  | <10%                    |
| pH Range                          | 3-10                    |
| Flux Rate                         | 1-5 GPM/ft <sup>2</sup> |
| Empty Bed Contact Time            | 10-30 minutes           |
| Back Wash Bed Expansion           | 5%                      |



## Sorbster Inc.

1311 Chardon Road  
Euclid, OH 44117  
Tel: 216-533-2343  
Contact: Brimman Frazer  
Email: brimman@sorbster.com