

Product Bulletin

Ecologically Effective Contaminants Adsorption

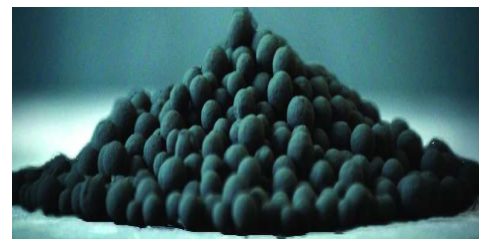
Sorbster® MM-1

Adsorbent Media for Metal Removal

Sorbster®MM-1 media is a highly functionalized, chemically enhanced alumina media that covalently bonds multiple soluble metals and trace contaminants to its active sites. Metals such as mercury, arsenic, selenium, zinc, boron and hexavalent chromium are permanently removed from water. Sorbster® MM-1 can also be used to remove selected anions and cyanide.

Features and Benefits

- Media contains an active and diverse chemistry that removes a range of cationic and anionic contaminants simultaneously. This eliminates the high costs associated with multiple media installations.
- Sorbster® MM-1 is uniformly active throughout the media, resulting in permanent and fast chemisorption kinetics up to 99% across a wide variety of water qualities.
- Effective over broad temperature and pH ranges
- Does not support bacteria growth and generates no ancillary wastewater
- May be used as a polishing media where existing solutions cannot perform to new permit requirements
- Sorbster® MM-1 passes the EPA TCLP and CA WET tests to enable nonhazardous disposal options
- Requires fewer change-outs than competing media, resulting in lower total cost to treat
- Sorbster® MM-1's high efficiency removal rate results in lower capex and opex

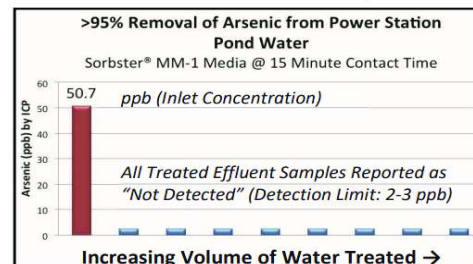


Product Specifications

Particle Size	Nominal 1/8" Granules
Bulk Density (lbs./ft ³)	55
Moisture Content	<10%
pH Range	3-10
Flux Rate	1-6 GPM/ft ²
Empty Bed Contact Time	15-30 minutes
Back Wash Bed Expansion	5%

Contaminants Removed*		
Mercury	Arsenic	Selenite
Copper	Lead	Selenate
Tin	Cobalt	Hexavalent Chromium
Cadmium	Zinc	Antimony
Nickel	Vanadium	Thallium
Boron	Cyanide	Molybdenum

*up to 99%



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