

Product Bulletin

Ecologically Effective Contaminants Adsorption

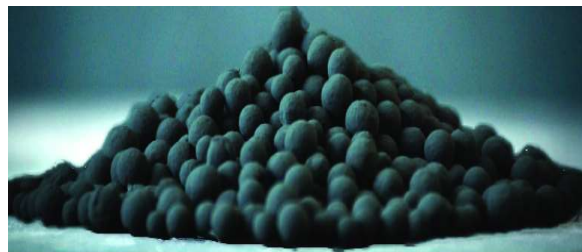
Sorbster® Se-1

Adsorbent Media for Selenium Removal

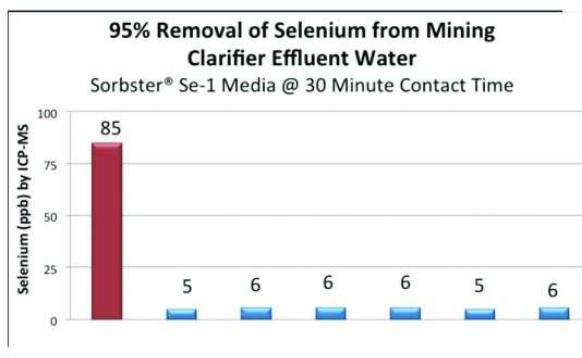
Sorbster® Se-1 is a highly functionalized, enriched alumina media that covalently bonds soluble selenium and other trace contaminants to its active sites. It is suitable for use across a broad range of water qualities.

Features and Benefits

- Effectively removes soluble selenite, selenate, and selenocyanate in a wide range of process streams
- Produces no ancillary water streams that require additional treatment, handling or disposal
- Media passes the EPA TCLP test and allows for nonhazardous disposal options, reducing total cost to treat
- Requires fewer change outs than competing media, maximizing ROI
- Active and diverse chemistry allows it to selectively capture and chemisorb selenium in both the oxyanion and cation forms, eliminating expensive process steps required by some competitive solutions
- Does not support bacterial growth
- May be used as a polishing media to reach ultra-low level concentrations where existing solutions cannot perform to new permits
- Also removes Molybdenum, Mercury, Arsenic, Selenite, Copper, Fluoride, Selenate, Cadmium, Thallium, Silica, Tin, Barium, Hexavalent Chromium, Antimony, Cobalt, Vanadium, Lead, Zinc, Boron, Nickel and Cyanide



Particle Size	Nominal 1/8" Granules
Bulk Density (lbs./ft ³)	55
Moisture Content	<10%
pH Range	3–10
Flux Rate	1–5 GPM/ft ²
Empty Bed Contact Time	20-120 minutes
Back Wash Bed Expansion	5%



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