

Product Bulletin

Ecologically Effective Contaminants Adsorption

Sorbster® F-1

Adsorbent Media for Fluoride Removal

Sorbster®F-1 media is a promoted alumina media that covalently bonds fluoride to its active sites. The presence of proprietary promoted reactive chemistries throughout the media boost fluoride removal. It effectively removes fluoride across a broad pH range of 3 to 9 with the highest removal rate typically occurring between pH 5 to pH 7, maximizing removal efficiency vs. competitors.

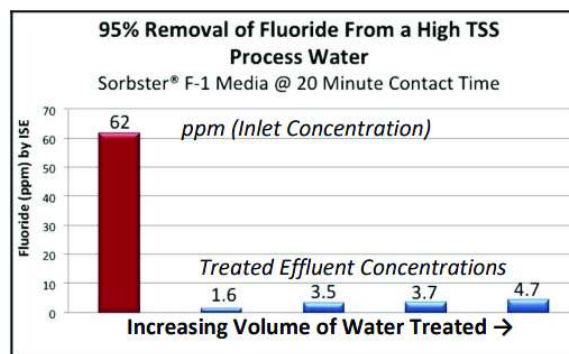
Features and Benefits

- High removal efficiency, up to 99% for fluoride and selected other anions in all water qualities
- Cost-effective media specifically engineered for fluoride removal applications
- Effective for mg/L high level and trace amounts of fluoride
- High macroporosity and surface area granules to maximize removal in a single pass
- Constant chemisorption kinetics across a wide variety of water qualities, minimizing multiple process changes
- Effective over a broad temperature range
- Sustained fluoride removal in refinery, FGD, high temperature brine solutions and general industrial waters.
- Deploy in standard tanks or cartridges



Product Specifications

Particle Size	Nominal 1/8" Granules
Bulk Density (lbs./ft ³)	48
Moisture Content	<10%
pH Range	5-7 optimum
Flux Rate	1-6 GPM/ft ²
Empty Bed Contact Time	20-40 minutes
Back Wash Bed Expansion	5%



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