

PFAS TREATMENT SOLUTIONS – FLUORO-SORB MEDIA

With over 900 water treatment systems treating a variety of contaminants installed and operating since 2002, ChartWater’s AdEdge Water Technologies has extensive experience with effective methods for removing PFAS from water. AdEdge designs and manufactures multiple solutions for PFAS treatment to provide a complete treatment system, including pre-treatment as needed, to best fit the application and optimize the total life-cycle cost. One of the most capable media solutions offered is FLUORO-SORB.

FLUORO-SORB is a proprietary modified organo-clay adsorption media manufactured by CETCO and proven to effectively bind and treat the entire spectrum of PFAS. FLUORO-SORB 200 is specifically designed for use in drinking water treatment applications.



ADEGE IS AN OFFICIAL DISTRIBUTOR OF FLUORO-SORB FOR DRINKING WATER. CONTACT US TODAY (866-823-3343).

FLUORO-SORB® 200

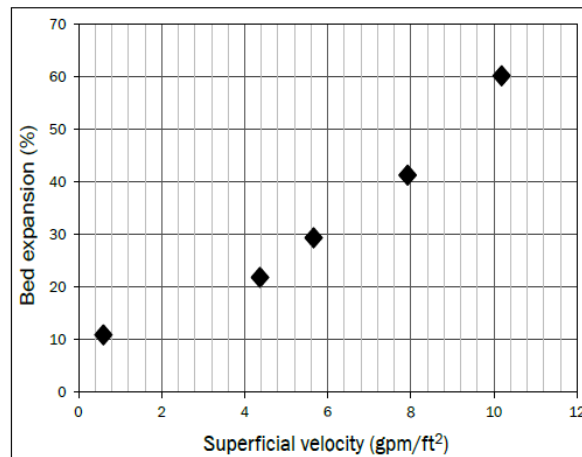
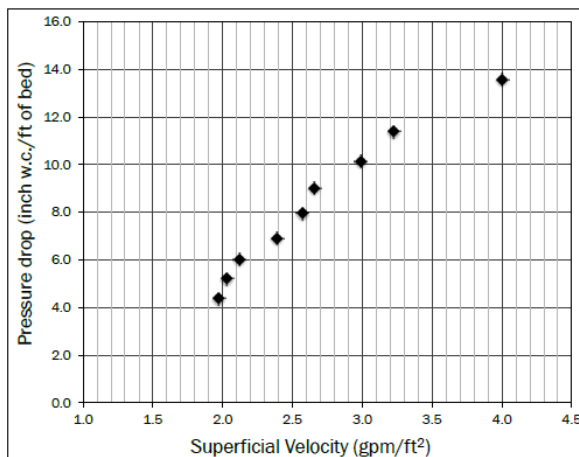
UNIQUE BENEFITS OF FLUORO-SORB

- ✓ Proven PFAS removal with high sorption capacity, resulting in long media life.
- ✓ Fast kinetics requiring an Empty Bed Contact Time (EBCT) of only 2-3 minutes, resulting in fewer and/or smaller vessels for a given design flow rate.
- ✓ Competitive cost per cubic foot, resulting in attractive lifecycle costs compared to alternatives.
- ✓ Saves piloting time: media life projections based on water quality review.
- ✓ Media does not adsorb or leach inorganic ions like nitrate, perchlorate, sulfate, phosphates, or arsenic
- ✓ NSF/ANSI 61 Certified
- ✓ Made in America in an ISO9001:2015 facility (with AdEdge manufacturing in America, systems meet Build America, Buy America Act)
- ✓ Free chlorine tolerant up to 1 mg/L continuous exposure.
- ✓ Effective PFAS removal even in the presence of high TOC and TDS
- ✓ Installed with bag or cartridge filter pre-treatment to protect media bed from TSS

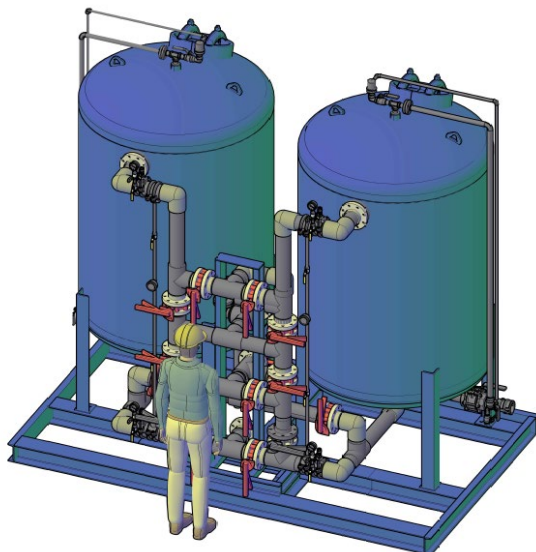
AdEdge Water Technologies, LLC is a Chart Industries Company. ChartWater™, a division of Chart Industries, Inc., is a global manufacturer and service provider of engineered solutions for municipal water treatment and industrial process applications with over 1,100 installations in 22 countries. Chart Industries, Inc. (NYSE: GTLS) is a leading, independent global manufacturer of highly engineered equipment servicing multiple applications in the Energy, Water, and Industrial Gas markets.

MEDIA CHARACTERISTICS AND OPERATING PARAMETERS

Size (Mesh)	20 x 40
Mean Particle Size (cm)	0.060
Bulk Density (g/cm ³)	0.73
Empty Bed Contact Time (min)	2 – 3
Loading Rate (gpm/sqft)	6 – 12 (* Higher loading rates possible, requires AdEdge project specific review)
Bed Depth (in)	36 – 48
Backwash Rate (gpm/sqft)	9.5 (see curve)
Backwash Frequency	Minimal
Pressure Drop	See Curve



ADEEDGE TREATMENT SYSTEMS



- ✓ Any size system and flow rate
- ✓ Skid-mounted, modular, and containerized systems available
- ✓ Standard designs or customized solutions to meet site specific constraints
- ✓ Pre-and-post treatment processes and equipment for multi-contaminant removal challenges
- ✓ Treatment as a Service (TaaS) options (systems for emergency treatment with a monthly fee)