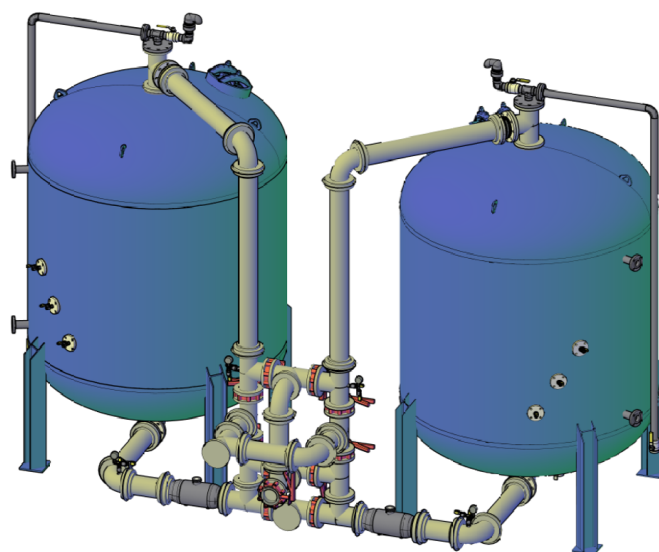


## Custom Packaged and Modular Treatment Solutions for PFAS Removal

# P F A S R E M O V A L INFORMATIONAL GUIDE

Per- and Polyfluoroalkyl substances (PFAS) are manmade perfluorinated compounds receiving intense focus by drinking water utilities, consumers, and government regulators. The USEPA established a Health Advisory Limit of 70 ppt (individual or combined) in 2016 but due to the absence any enforceable federal regulations and the health concerns of these persistence chemicals, States have begun implementing their own strict guidelines and even maximum contaminant levels for various PFAS compounds in drinking water supplies.

With over 900 custom water treatment systems installed and operating since 2002, AdEdge has extensive experience with effective methods for removing PFAS from water; namely adsorption, ion exchange (IX), granular activated carbon (GAC), and ultra-high recovery RO (FR-RO). With a complete water analysis, flow rates, and site-specific conditions or limitations, AdEdge can provide the best treatment system option that meets your needs and optimizes both capital cost and operating cost.



Skid-mounted PFAS treatment system using granular activated carbon media in a two-vessel series configuration.

## OUR SOLUTIONS

Media/Technology	Benefits	Features
<b>Granular Activated Carbon (GAC)</b>	Proven PFAS removal Simple, well-understood Readily implementable/approvable Removes other chemical constituents	Flow rates from 10 gpm to over 12 MGD  <b>Skid Mounted Systems</b> – pre-engineered, pre-piped, pre-wired and factory tested
<b>FLUORO-SORB (FS)</b>	Proven PFAS removal Short EBCT (2.5 - 3 minutes) Lower cost media Minimal pretreatment required Minimal interference by organics	<b>Modular Systems</b> – loose equipment, installed on-site  <b>WaterPODs</b> – containerized, turn-key systems
<b>Ion Exchange (IX)</b>	Proven PFAS removal Short EBCT (2.5 - 3 minutes) Higher potential for short chain PFAS removal	
<b>Flow Reversal Reverse Osmosis (FR-RO)</b>	High rejection rate of many PFAS compounds Highest RO recovery rate Barrier for undetected PFAS Multi-contaminant removal	Flow rates from 10 gpm to over 12 MGD  <b>Skid Mounted Systems</b> - pre-engineering, pre-piped, pre-wired and factory tested