PFx™ Standard Systems for the Removal of PFAS from Water

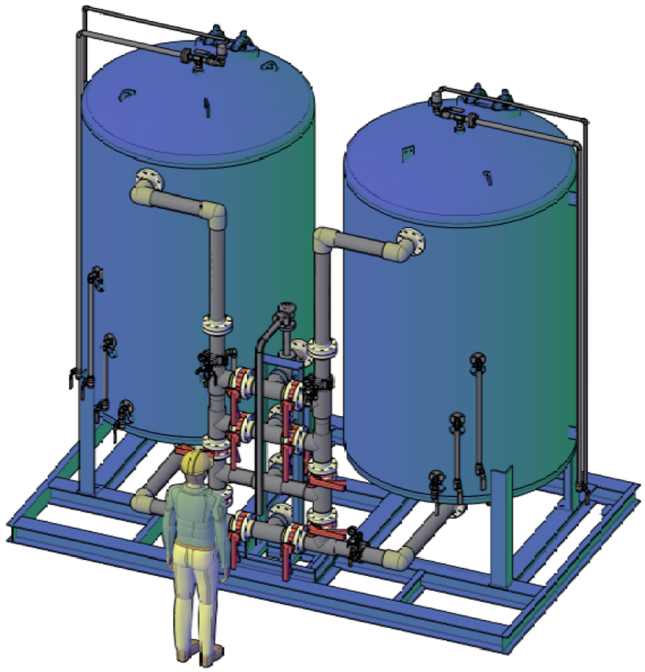
P F A S R E M O V A L

PFx™ STANDARD SYSTEMS

Rapidly changing regulations and public opinion are shaping the need to treat PFAS from water across the United States. Although they are no longer used in manufacturing in the U.S., PFOS and PFOA are already present in our water. In many industrialized countries where these forever chemicals are found, it is estimated that most people have measurable amounts in their systems. Because these chemicals continue to persist in the environment and in our bodies, they have been dubbed the "forever chemicals."

With over 900 installations for inorganics removal globally, AdEdge offers a full range of technologies to help municipalities get into regulatory compliance in a timely, low-risk manner. Our line of PFx™ Treatment Systems utilize proven technologies such as granular activated carbon (GAC), FLUORO-SORB (FS), or ion exchange (IX) media to treat PFAS from water serving flow rates greater than 10 gallons per minute (gpm).

While our standardized systems for PFAS are designed to treat most water systems, we offer customized solutions to meet site-specific requirements. AdEdge additionally provides the necessary pre-and-post treatment processes and equipment for multi-contaminant removal challenges.



	Model Number			Vessel Dia	Vessel Side Shell	Skidded Option?	Design EBCT	Design Flow
	System Type	Media	Configuration	(in)	(in)	(Y/N)	(min)	(gpm)
GAC	PFx	-GAC	2472CS-2-MVH-LL	24	72	Y	10	10
	PFx	-GAC	3672CS-2-MVH-LL	36	72	Y	10	23
	PFx	-GAC	4872CS-2-MVH-LL	48	72	Y	10	40
	PFx	-GAC	6072CS-2-MVH-LL	60	72	Y	10	65
	PFx	-GAC	6672CS-2-MVH-LL	66	72	Y	10	80
	PFx	-GAC	7296CS-2-MVH-LL	72	96	Y	10	124
	PFx	-GAC	8496CS-2-MVH-LL	84	96	Y	10	171

	Model Number			Vessel Dia	Vessel Side Shell	Skidded Option?	Design EBCT	Design Flow
	System Type	Media	Configuration	(in)	(in)	(Y/N)	(min)	(gpm)
IX & FS	PFx	-IX -FS	2460CS-2-MVH-LL	24	60	Y	3	25
	PFx	-IX -FS	3660CS-2-MVH-LL	36	60	Y	3	57
	PFx	-IX -FS	4860CS-2-MVH-LL	48	60	Y	3	101
	PFx	-IX -FS	6060CS-2-MVH-LL	60	60	Y	3	157
	PFx	-IX -FS	6660CS-2-MVH-LL	66	60	Y	3	190
	PFx	-IX -FS	7260CS-2-MVH-LL	72	60	Y	3	226
	PFx	-IX -FS	8460CS-2-MVH-LL	84	60	Y	3	308
	PFx	-IX -FS	9660CS-2-MVH-LL	96	60	N	3	402
	PFx	-IX -FS	10860CS-2-MVH-LL	108	60	N	3	509
	PFx	-IX -FS	12060CS-2-MVH-LL	120	60	N	3	628
	PFx	-IX -FS	14460CS-2-MVH-LL	144	60	N	3	905

STANDARD TECHNICAL SPECS

General
2 Vessels
Manual Valves
Reversible Lead-Lag (parallel also available)
Indoor Installation

Vessels
Carbon Steel Vessels, Non-ASME Code (OPTION: ASME Code)
100 psi Pressure Rating (OPTION: Custom Pressure Rating)
Internal Liner - Tnemec Series 22 Coating NSF 61
External Coating - Tnemec N69F Epoxy (OPTION: Add Tnemec 1075 Urethane for Outdoor Installation)
Upper Distributor – Sch 80 PVC
Lower Distributor – Sch 80 PVC, Hub and Slotted Laterals (OPTION: 316 SS)

Piping & Materials
Sch 80 PVC Piping
Wafer Style Butterfly Valves
150# Sch 80 PVC Flange Connection Tie Points

Instrumentation
Sample Ports through Media Depth
0 – 160 psi Pressure Gauges, Inlet/Outlet
Non-Electric Flow Meter, Treated and Backwash
Pressure Relief Valve (One per System)
Combo Air/Vac Release Valve (One per Vessel)

Tie Points
System Raw Water Inlet
System Treated Outlet
System Backwash Outlet
Aux Backwash Inlet (for treated water Backwash Supply)
Slice Outlet (model specific)