

GAC SMALL SCALE TREATMENT SOLUTIONS

ChartWater's AdEdge Water Technologies is a leading provider of advanced water treatment technologies and solutions of all sizes serving both municipal and industrial clients and has installed over 900 systems since 2002. In October 2021, Calgon Carbon signed a referral agreement with AdEdge to partner in offering granular activated carbon treatment systems to a specific part of the drinking water market.

"This...allows our FILTRASORB® GAC to be more accessible to smaller utilities through AdEdge's reach in this market and we're proud to work together to provide clean, safe drinking water to more Americans." - Nora Stockhausen, VP of Drinking Water Solutions and Innovative Carbon Technologies

"This relationship with Calgon Carbon will specifically strengthen our ability to serve smaller utilities with a world-class GAC solution for the removal of PFAS, TOC, disinfection byproducts, and any other contaminants that can be addressed with GAC." - Chris Milligan, President of ChartWater™.

SYSTEM FLOW RATES < 0.5 MGD

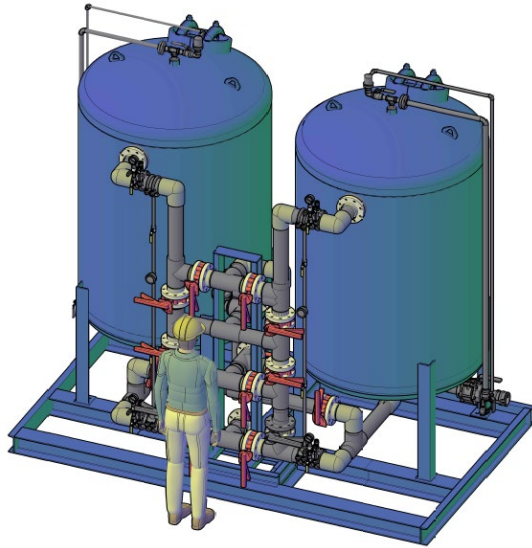
PFAS | TOC | DBP | VOC | T&O

AdEdge has developed standardized systems to help municipalities and their consulting engineers address contaminants as quickly and cost effectively as possible while not sacrificing on key design features that will allow for simple operation and a long system life.

Configuration	Vessel Diameter	Vessel Side Shell	Skid Mount Available	Design EBCT	Design Flow (Series)
	(in)	(in)	(Y/N)	(min)	(gpm)
2472-CS-2-MVH-LL	24	72	Y	10	10
3672-CS-2-MVH-LL	36	72	Y	10	23
4872-CS-2-MVH-LL	48	72	Y	10	40
6072-CS-2-MVH-LL	60	72	Y	10	65
6672-CS-2-MVH-LL	66	72	Y	10	80
7296-CS-2-MVH-LL	72	96	Y	10	124
8496-CS-2-MVH-LL	84	96	Y	10	171

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.

AEDGE STANDARD GAC SYSTEMS – TECHNICAL SPECIFICATIONS



General

Two (2) Vessels
Manual Valves
Reversible Lead-Lag and Parallel Operation
Indoor Installation (OPTION: Outdoor)

Vessels

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

Piping and Materials

Sch 80 PVC
Wafer Style Butterfly Valves
150# Sch 80 PVC Flanged Tie Points

Instrumentation

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

Connections

System Raw Water Inlet
System Treatment Outlet
System Backwash Outlet
Aux Backwash Inlet (For Treated Water Backwash Supply)
Sluice Outlet (Configuration Specific)



AEDGE CUSTOM SOLUTIONS

While our standard solutions and options are designed to meet the needs of most applications, we offer customized solutions for site-specific requirements, constraints, and project goals. From four vessels mounted on a single skid, to automated valves and custom system operation programming, alternate materials, or customer preferences, call us today to discuss your needs. Additionally, with over 20 treatment technologies in our solutions matrix, we can combine all required pre-and-post treatment processes to address multi-contaminant removal challenges.