



# MODULAR

## Arsenic Treatment Systems

*From Adedge Technologies, the leader in arsenic treatment*

New U.S. EPA regulations for arsenic removal have placed an unprecedented challenge upon small public water systems to cost-effectively meet safe drinking water compliance objectives. Many small systems such as schools, day care centers, very small community water systems, and manufacturing facilities need options that are simple, affordable, and effective. Additionally, solutions are needed that require less engineering, space, and infrastructure.



Adedge Technologies' answer to this market need is a new line of MODULAR arsenic treatment systems designed specifically for these applications. As the leader in providing cost effective arsenic treatment solutions in the market, Adedge Technologies, Inc., has successfully deployed numerous systems in the field accumulating an unparalleled track record of performance. Similar to Adedge's skid mounted Adsorption Package Units (APUs), these compact modular systems utilize Adedge's Bayoxide® E33 granular ferric oxide adsorption media or our NSF 61 certified AD26 oxidation/filtration media to achieve the reliable high performance. Systems are shipped ready for field assembly and installation by a qualified contractor or installer. Modular systems are available in a variety of flow rates and configurations to meet needs from 10 to 120 gallons per minute.



### *Go with the Leader...The Right Choice*

- ◆ Complete pre-packaged modular system with automated valves, flow meter, pressure gauges and flow controls for simple permitting and installation;
- ◆ Strong technical support; Adedge will work closely with you to size, design, and offer value added engineering assistance and permitting support;
- ◆ Performance guarantee resulting in reduced liability; Adedge's extensive network of field installations (now over 2,000 installations) allows us to predict and stand behind the performance of our systems and media;
- ◆ Small footprint and portability to fit in tight spaces where limited room is available;
- ◆ Systems come with O&M manual, installation, and operating documentation
- ◆ The highest capacity, longest lasting arsenic treatment products available on the market; infrequent media replacement and no hazardous waste generation.

### *System Applications for Modular Systems*

- ◆ Non-transient, non-community water systems
- ◆ Schools, churches
- ◆ Day care centers
- ◆ Retirement homes
- ◆ Manufacturing facilities
- ◆ Very small public water systems
- ◆ Rest stops
- ◆ Environmental remediation
- ◆ Industrial process applications
- ◆ Industrial parks



## Typical Modular System Parameters

Adedge has a wide variety of Modular system configurations to meet nearly any project need. Just a few of the models are shown below. Systems are available in both parallel and series arrangements. To get started simply complete and send in an *Adedge Site Profile Form\** and an Adedge representative will work with you to find the right system for your specific needs.

\* *Adedge Site Profile Form can be obtained directly from Adedge or on the website at [www.Adedgetechnologies.com](http://www.Adedgetechnologies.com)*

System Parameters	MOD-10	MOD-20	MOD-30	MOD-40	MOD-50	MOD-60	MOD-90
Model Number	MOD-M-2-10P	MOD-M-2-20P	MOD-M-2-30P	MOD-M-2-40P	MOD-M-2-50P	MOD-M-3-60P	MOD-M-3-90P
Peak design flow rate	10 gpm	20 gpm	30 gpm	40 gpm	50 gpm	60 gpm	90 gpm
No of Vessels	2	2	2	2	2	3	3
Average flow rate	7-8 gpm	10-15 gpm	20-25 gpm	30-35 gpm	40-45 gpm	50-55 gpm	75-85 gpm
Adsorption Vessel size (typ)	13-inch	18-inch	21-inch	24-inch	30-inch	24-inch	30-inch
Typical Throughput	< 5,000 gpd	< 10,000 gpd	< 15,000 gpd	< 20,000 gpd	< 25,000 gpd	< 35,000 gpd	< 50,000 gpd
Options	Parallel or Series	Parallel or Series	Parallel or Series	Parallel or Series	Parallel or Series	Parallel or Series	Parallel or Series
Media life	Site Specific* 12-60 mo typ.	Site Specific* 12-60 mo typ.	Site Specific* 12-60 mo typ.	Site Specific* 12-60 mo typ.	Site Specific* 12-60 mo typ.	Site Specific* 12-60 mo typ.	Site Specific* 12-60 mo typ.

*Based on site-specific water profile; performance prediction and proposal will be provided; not all configurations/designs shown in table above;  
Adsorption vessel options include composite / FRP and carbon steel*

## About Adedge Technologies

Adedge is a solution-driven company that develops and supplies specialty adsorbents, packaged treatment systems, and products for contaminant removal from aqueous streams. Our products are used in a variety of industries and applications including drinking water, chemical, pharmaceutical, environmental remediation, and wastewater. The company's management team has world-renowned reputations in adsorption technology, specifically in arsenic removal and process separations. Adedge is one of the leading providers of adsorbent-based solutions and products utilized for arsenic and heavy metals removal from small municipal drinking water systems, private well applications, home water systems, and environmental remediation projects.

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*Manage the Elements...*

