

Water Treatment Services

Proven Adsorption Technology Provides Effective Arsenic Removal

AVANTech's modular equipment accommodates all types of iron and titanium based media and is designed to provide an efficient, reliable, and economical means of arsenic removal.

Features

- ✓ Skid/trailer/container mounting
- ✓ Advanced arsenic selective media from leading manufacturers
- ✓ Integrated companion technologies for solids removal, chlorination, pH adjustment, etc.
- ✓ Automated controls with data logging

Performance Factors

- ✓ Standard flow rates from 50 to 500 gpm
- ✓ Arsenic reduced to <10 ppb
- ✓ Throughput of >50,000 BV (>4000,000 gal/ft³)
- ✓ Skid mounted systems (oxidation, pH adjustment, prefiltration and lead-lag vessel configuration provided when required to optimize performance)
- ✓ Supports 24/7 unmanned operation (no or minimal downtime required for backwashing or regeneration)
- ✓ No secondary liquid waste requiring discharge or offsite treatment
- ✓ Sluiceable media for emptying and refilling vessels
- ✓ Instrumentation and control solutions allow remote operation and data logging (options for Telemetry Control available)
- ✓ Ideal for turnkey municipal installations

Features

- ✓ Quick installation/startup
- ✓ Sluiceable vessel design minimizes time for media replacement
- ✓ Mitigates system transients
- ✓ Improved product quality
- ✓ Unattended system operation

Options for Implementation

AVANTech offers a variety of implementation options and services to meet client needs:

- ✓ Capital purchase
- ✓ Short and long-term leasing
- ✓ Experienced engineers and trained operators available to support system design and operation

Pilot Scale Demonstration

- ✓ Verify treatment system compatibility
- ✓ Verify component performance
- ✓ Qualify and optimize system parameters
- ✓ Create basis for guaranteed performance

