

FerriMet™

Effective, low-cost removal of arsenic and heavy metals

CAPABILITIES

- Up to 99% arsenic removal
- Low operating and maintenance cost
- Minimal residual sludge (all TCLP non-hazardous)
- No regeneration chemicals or coagulation tank
- Works effectively at neutral pH
- Exceeds EPA drinking water standards



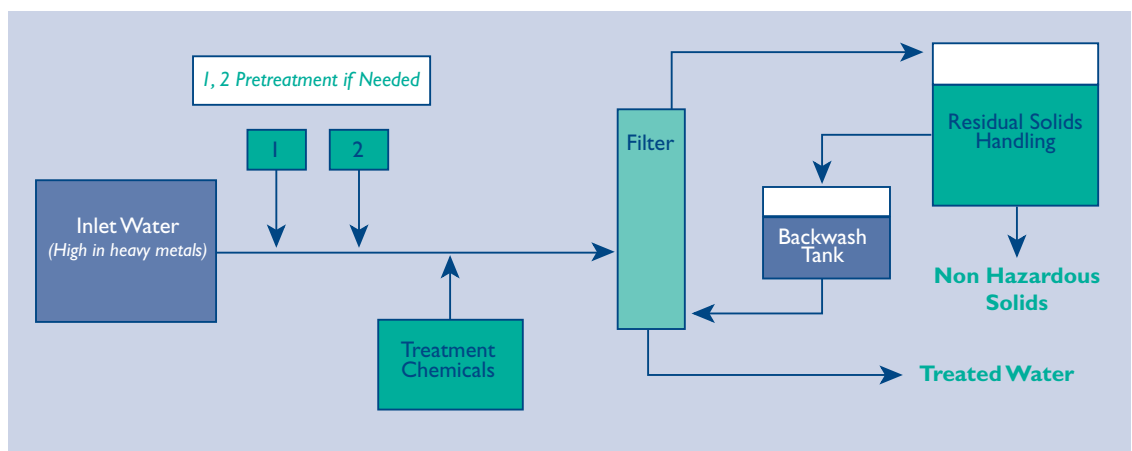
Operating FerriMet™ System

DESCRIPTION

FerriMet™ from HydroGlobe™ is a simple, extremely effective filtration system for the treatment of drinking water or groundwater contaminated with low concentrations of arsenic and other heavy metals. This patent-pending, unique application of proven chemistry and filtration with its direct injection process eliminates the need for coagulation treatment and avoids expensive regenerations and membrane filtration processes. With FerriMet™, operating and maintenance costs are significantly reduced.

The system works efficiently at neutral pH (from 6 to 8). This eliminates the use of pH adjustment chemicals and results in minimal residual sludge and liquid wastes. It operates at optimal efficiency of up to 1,000 parts per billion (ppb) of heavy metal contaminants. The FerriMet™ system is custom-engineered to effectively treat water from small water systems with modest flow rates to large utilities with thousands of gallons flowing per minute.

Verification testing for the FerriMet™ technology by the New Jersey Corporation for Advanced Technologies has been successfully completed. The technology will be certified in New Jersey and the additional participating states with reciprocity agreements.



The patent-pending FerriMet™ system is comprised of HydroGlobe's treatment chemical added at low dosage, oxygen (if needed) and polymer (if needed), followed by a downflow filtration. An additional application of the treatment chemical may be required if high levels of organic arsenic are present.

WATER TREATED WITH FERRIMET™

	TX Bryan	NJ	NH	NV Site 1	NV Site 2	CA Sacramento	NV Site 3
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WATER CHEMISTRY

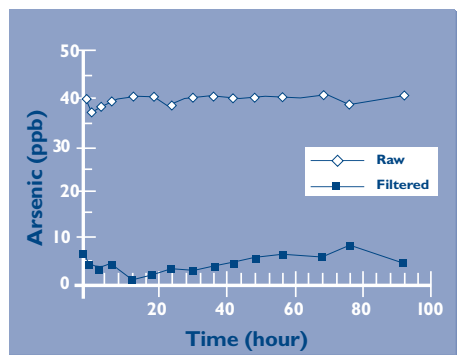
Total As (ppb)	130-500	33-40	73	74	123	49	48
As (III) (ppb)	no	<3	<3	<3	<3	34	NA
pH	6.5-7.3	7.6	7.2	7.5	8.6	7.7	7.3
SiO ₂ (ppm)	NA	NA	14	55	27	NA	NA
P (ppm)	NA	NA	0.02	0.05	0.03	NA	NA
Effluent As (ppb)	<20*	<5	<5	2	<5	<3	<3

* detection limit

FERRIMET™ SYSTEM SOLUTIONS

Model	Design Flow (Gallons/Min)	Filter (Diameter x Height)	Backwash Requirements (Gallons/Min)	Footprint (Including Iron treatment chemical day tank)
FerriMet™ 150	150	90"x114"	450	120"x144"
FerriMet™ 300	300	144"x114"	900	174"x144"
FerriMet™ 1000	1000	3 Units 144"x114"	900	Optional Configuration
Custom	>1000	determined by user requirements		

ACTUAL ARSENIC REMOVAL RESULTS



NJCAT/NJDEP Certification Test

For more information, a free analysis or a consultation on the removal of arsenic or other heavy metal contaminants from your water and wastewater streams, please contact us at:

612 River Street
Hoboken, New Jersey 07030
USA

Tel 201.656.2100
Fax 201.656.3311

Or visit our Web site at: www.hydroglobe.com