

AWS

ADVANCED WATER SYSTEMS

Automatic Greensand

Iron Filtration Systems



- **Rust Stains?**
- **Brown Stains?**
- **Rusty Tastes?**
- **Sulfur Odors?**

***AWS HAS
THE ANSWER!***

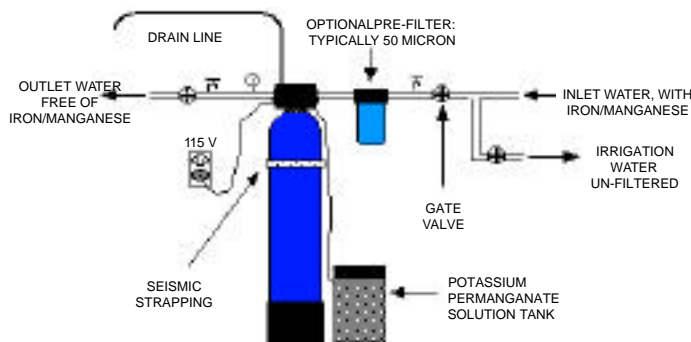
Water containing high levels of iron and manganese is common in ground water all over the Earth. If these elements remain in your water system, they can damage fixtures and appliances and cause staining of clothes and surfaces. A water softener alone is not capable of removing these stainers unless they are present in very low levels. There are several different types of iron filters we recommend; and what may work well at one site, may not work well at another. All these iron filters operate reliably and afford very low maintenance under the right conditions. We have our own in-house laboratory and have tested thousands of water samples before and after the installation of our clients' systems over the years. The result is that we can offer you expert consulting and can guarantee that the system you need is the system you get: a custom fit for every application! E-mail or call us for more information.

AUTOMATIC GREENSAND IRON FILTERS

Check Out These Advanced Features:

- Large Capacity:
Won't restrict pressure or flow, unlike cheap home club or hardware store systems.
- Fully Automatic:
System automatically backwashes, no filters to change.
- Low Maintenance:
Potassium Permanganate easily adds to solution tank.

Typical Greensand Iron Filter System Installation



How Do I Know What Size I Need?

If the filter system is to be installed prior to entry to the home or other structure, pick a system with a pipe size that is ~~not less~~ than the pipe size of your water service (at the shut-off to your house), OR compute the peak gallons per minute required and use an iron filter that provides at least this peak flow. For instance, one shower typically requires 2 to 5 gallons per minute, one washing machine 2 to 4 gallons per minute, etc. Add these up to arrive at the peak flow rate.

DO NOT OVER-SIZE THE SYSTEMS UNLESS THE RECOMMENDED BACKWASH FLOW RATE IS AVAILABLE! THESE IRON FILTERS MUST HAVE THE MINIMUM BACK-WASH FLOW RATE AVAILABLE TO WORK PROPERLY. For instance, if the maximum flow rate at your location is only 9 gallons per minute, do not install a system that requires 10 or 12 gallons a minute for backwash.

Removes Iron Levels .2 ppm to 15 ppm

Removes Manganese Levels .04 to 2.0 ppm

Pressure Loss: 5 to 15 psi at Service Flow Rates; 10 to 25 psi at Peak Flow Rates

Maximum Pressure Allowed: 125 psi **Minimum Pressure Required:** 30 psi

Voltage: 115v 60hz is standard. 24v 60hz, 230v 60 hz and 230v 50hz also available.

*Questions about sizing ? Call us: (831) 476-0515 or e-mail us at info@advancedh2o.com

TECHNICAL NOTES: These systems do not work very well on acidic water. Acidity can be expressed in terms of pH. The pH scale tells us how acidic or alkaline water is; 7.0 is considered neutral, less than 7.0 acidic, and over 7.0 more alkaline. These systems work best when the pH is from 7.0 to 8.5. For the most accurate results: test the pH, on site, using pH strips from our **Private Water System Designer Kit**, or by using a pH meter, to verify accurate pH. Samples taken to a lab and not tested within 1 hour for pH, can give false higher pH results.

If pH is 6.8 or below, raise pH by installing a soda ash injection feed system or a neutralizing filter system before the Greensand Iron Filter. See our Automatic Neutralizers Catalog Section.

Odors? Eliminate odors first by installing a chlorine or ozone system. These systems will also remove up to 5 ppm of hydrogen sulfide directly without pre-chlorination, but work better when the water is disinfected with chlorine or ozone prior to filtration.

Tannins? Neutralize tannin with chlorination or ozonation prior to using Greensand Iron Filters.

Prices, Sizes and Specifications:

| GPM | Media Capacity | Inlet Pipe Size | Service Flow | Back Flow Rate | Drain Tubing Size | Part # | Price Each |
|-----|----------------|-----------------|--------------|----------------|-------------------|-----------|------------|
| 13 | 1 | 0.75 | 2.5 | 7 | 0.5 | FE00124-0 | \$1250.00 |
| 17 | 1.5 | 1 | 3 | 10 | 0.5 | FE00009-0 | \$1404.00 |
| 24 | 1.75 | 1 | 4 | 10 | 0.75 | FE00368-0 | \$2065.00 |
| 28 | 2.5 | 1 | 4.5 | 12 | 0.75 | FE00053-0 | \$2604.00 |
| 28 | 2.5 | 1.5 | 4.5 | 12 | 1 | FE00054-0 | \$1656.00 |
| 32 | 3 | 1 | 4 | 12 | 0.75 | FE00159-0 | \$2485.00 |
| 32 | 3 | 1.5 | 5.5 | 12 | 1 | FE00012-0 | \$2975.00 |
| 42 | 4 | 2 | 5.5 | 14 | 0.75 | FE00185-0 | \$3878.00 |
| 55 | 7 | 1.5 | 12.5 | 25 | 1 | FE00371-0 | \$6171.00 |
| 74 | 7 | 2 | 12.5 | 25 | 0.75 | FE00373-0 | \$6979.00 |

Bacteria? See our complete line of stainless steel automatic ultra-violet sterilizers for sterilized water after filtration. **Hard Water: Install an AWS Lifetime Automatic Water Softening System.** Lifetime warranty on filter tank. 3 year warranty on control valve. Plus sales taxes where applicable. Install outside? Use our stainless steel weather jacket. FOB Santa Cruz, CA, USA.



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