

AWS

ADVANCED WATER SYSTEMS

AUTOMATIC NEUTRALIZER

FILTRATION SYSTEMS



- **Blue Stains?**
- **Corroding Pipes?**
- **Acid Water?**
- **Bitter Tastes?**

AWS HAS THE ANSWER!

Water containing high levels of dissolved carbon dioxide and/or mineral acids is common in ground waters all over the Earth. Acidic water can cause corrosion of piping and fixtures. Blue stains from copper corroding, or rusty water from iron pipes can cause staining of clothes and fixtures. Acidic water can now be safely neutralized with a natural blend of crushed marble and magnesia. These non-chemical neutralizers operate reliably and afford very low maintenance under the right conditions. There are three different blends available to fit your water chemistry. What may work well at one site, may not work well at another. 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 free, 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 NEUTRALIZING FILTERS

Check Out These Advanced Features:

- Safely Neutralizes Acidity in Water:
No risk of over-injection of caustic chemicals
- Large Capacity:
Won't restrict pressure or flow, unlike cheaper systems
- Fully Automatic:
System automatically backwashes, no filters to change
- No Chemicals to Add, Non-Toxic:
Uses filter media made from naturally occurring calcium and magnesium minerals
- Three Custom Blends to Fit Most Acidic Water Chemistries:
Choose the system that best fits your water chemistry, based on pH and alkalinity

How Do I Know What Size I Need?

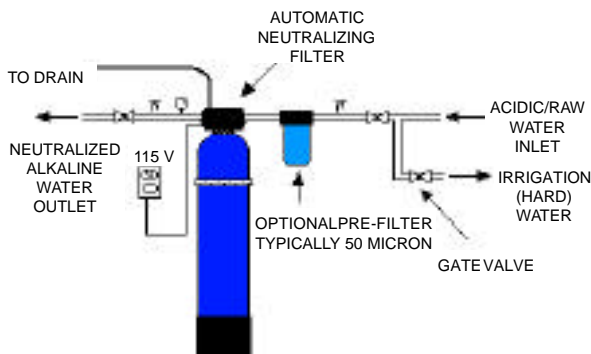
If the filter system is to be installed prior to entry to the home or other structure, pick a system with a pipe size that is ~~not less~~ than the pipe size of your water service (at the shut-off to your house), OR compute the peak gallons per minute required and use a neutralizing filter that provides 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 BACK-WASH FLOW RATE IS AVAILABLE! THESE NEUTRALIZERS 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.

Pressure Loss: 5 to 15 psi Service Flow Rates; 10 to 25 psi for 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@advanced-water-systems.com

Typical Neutralizing Filter System Installation



Technical Notes: 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. Vinegar or lemon juice is acidic, baking soda is alkaline. Many acidic water conditions are caused by dissolved carbon dioxide gas.

For the most accurate results: choose the system that best fits your water supply. To get accurate pH results, test the pH, on site, using pH strips from our **Private Water System Designer Kit**, or using a pH meter. Samples taken to a lab and not tested within 1 hour for pH can give false higher pH results.

If pH is 6.0 or below, raise pH by installing a soda ash or sodium hydroxide injection system.

Odors? Eliminate odors first by installing ozone system or air-blowing system in holding tank. Always install iron filter after holding tank and pressure system. These systems will not remove odors, and are not designed for use on water containing hydrogen sulfide or methane gas.

Calcite Only Acid Neutralizing Systems: for pH 5.0 to 6.0; Raises pH to 7.0 to 7.2

GPM	Media Capacity	Inlet Pipe Size	Service Flow	Back Flow Rate	Drain Tubing Size	Part #	Price Each
13	1	0.75	2.5	7	.5	NFO-00880	\$877.00
17	1.5	1	3	10	.5	NFO-00250	\$967.00
24	1.75	1	4	10	.75	NFO-01000	\$1332.00
28	2.5	1	4.5	12	.75	NFO-01180	\$1511.00
28	2.5	1.5	4.5	12	1	NFO-00050	\$1959.00
32	3	1	5.5	12	.75	NFO-00580	\$1799.00
32	3	1.5	5.5	12	1	NFO-01050	\$2247.00
32	3	2	5.5	12	.75	NFO-01300	\$2708.00
42	4	2	7	14	.75	NFO-01400	\$2461.00
42	4	2	7	14	.75	NFO-01450	\$2922.00

Calcite Blend Acid Neutralizing Systems: for pH 4.0 to 6.0; Raises pH to 7.4 to 8.0

GPM	Media Capacity	Inlet Pipe Size	Service Flow	Back Flow Rate	Drain Tubing Size	Part #	Price Each
13	1	0.75	2.5	7	.5	NFO-00920	\$861.00
17	1.5	1	3	10	.5	NFO-00960	\$948.00
24	1.75	1	4	10	.75	NFO-00540	\$1309.00
28	2.5	1	4.5	12	.75	NFO-01200	\$1674.00
28	2.5	1.5	4.5	12	1	NFO-01140	\$1924.00
32	3	1	5.5	12	.75	NFO-00060	\$2148.00
32	3	1.5	5.5	12	1	NFO-01260	\$2205.00
32	3	2	5.5	12	.75	NFO-01070	\$2666.00
42	4	2	7	14	.75	NFO-01350	\$2410.00
42	4	2	7	14	.75	NFO-00620	\$2871.00

* Larger Systems and Custom Models are also available.

10 year 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.

NOT FOR USE ON CHLORINATED WATER SUPPLIES



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Dedicated to Safe Drinking Water
 American Water Works Assoc.
 Proud Members for 10 Years



PACIFIC WATER
 QUALITY ASSOCIATION