

SoftPro Water Systems Details Iron Filter Approach for Private Well Water Owners

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Iron ranks among the most common water quality problems facing private well owners, and SoftPro Water Systems is outlining how its air injection technology addresses the issue without chemicals. Iron enters groundwater naturally as water moves through iron-bearing rock and soil, which is why households relying on a well encounter it far more often than those served by municipal systems. For many of those households, a dedicated iron filter becomes the practical solution for protecting fixtures, plumbing and water quality.

Iron appears in well water in several forms. Ferrous, or clear-water iron, is dissolved and invisible until it meets air, at which point it stains sinks and fixtures an orange-brown color. Ferric iron is already oxidized and shows up as visible rust particles. Colloidal iron and iron bacteria produce slime and musty odors that can be more difficult to treat. The U.S. Environmental Protection Agency sets a secondary standard for iron at 0.3 mg/L, though staining and a metallic taste can occur below that threshold.

A well water iron filter differs from a standard whole-house filter, which is typically built for city water concerns

such as sediment, chlorine, taste and odor. A dedicated system must manage both dissolved and particulate iron, co-contaminants including manganese and hydrogen sulfide, a media bed kept clean by reliable automatic backwashing, and sufficient flow to prevent pressure drops.

The SoftPro Water Systems Iron Filter, known as the SoftPro Iron Master AIO, uses air injection oxidation to address these concerns. A pocket of air at the top of the tank oxidizes dissolved iron, manganese and hydrogen sulfide on contact, and Katalox Light media then captures the oxidized particles until the next backwash. The company describes the process as chemical-free, with no chlorine, potassium permanganate or salt. According to the company, the system removes up to 30 ppm of iron and up to 7 ppm of manganese, which carries its own EPA secondary standard of 0.05 mg/L, while also addressing hydrogen sulfide odor.

Installed at the point of entry as a whole-house system, the 1.5 cubic foot model is described as delivering up to 12 gallons per minute through 1-inch ports. An automatic backwash valve cleans the media on a timed cycle, typically in the early morning, and the company rates the Katalox Light media at eight to ten years under normal residential use. The unit carries a limited lifetime warranty.

"Well owners benefit from testing their water first and matching the system to their pump's flow rate," said a representative for SoftPro Water Systems. "For homes dealing with both iron and hardness, the iron filter should be installed ahead of the softener, since iron can foul softener resin over time."

The company recommends testing for iron, manganese, hydrogen sulfide, pH and hardness before selecting equipment. Reverse osmosis at the kitchen tap can add an extra stage for drinking water, and iron bacteria may require specialized treatment.

SoftPro Water Systems specializes in water treatment solutions for homes and businesses, including water softeners, whole-house filters, iron filters for well water and commercial systems. Well owners can learn more about the SoftPro Water Systems Iron Filter or request a free water consultation on the company website.
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For more information about SoftPro Water Systems, contact the company here:SoftPro Water SystemsSoftPro Water Systems1-855-683-8488help@softprowatersystems.com514 Americas Way, Suite 9104Box Elder, SD 57719

SoftPro Water Systems

SoftPro Water Systems specializes in delivering innovative, high-quality water softener, filtration and treatment solutions

for homes and businesses.

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