



Arsenic Reduction Solutions using npXtra™ POE

The npXtra POE Arsenic Reduction System safely reduces arsenic.

The heart of the npXtra POE system is an advanced NSF/ANSI 61- certified and approved hydrous iron oxide impregnated resin. The resin efficiently and safely binds arsenic and never needs backwashing.

The npXtra POE system advantages:

- No connection to sewer or septic required.
- System is always in service
- No wasted water
- The hardware is simple and reliable
- No arsenic-laden waste is released at home
- Models with flow rates ranging from 0-15 GPM

The npXtra Point-of-Entry (POE) System will reliably and efficiently reduce arsenic to a safe consumption level.

The npXtra POE system is a total comprehensive solution, which comes with a testing program of 3 water tests at 6, 15 and 24 month intervals, and an exchange tank disposal program once the media is exhausted, to reduce your arsenic concerns.

The npXtra POE is a whole house program - all the water in your house is treated - not just one faucet. With the npXtra POE, you can drink from any tap, water your garden, swim in your pool, or take a shower without worrying about arsenic exposure.



Arsenic

The removal of arsenic from drinking water has become a hot topic across the country. This is due to the fact that arsenic has been shown to have health effects by the National Academy of Science and is present in over one million private wells. Arsenic raises the risk of many cancers, including bladder, lung, and kidney.

Arsenic is colorless, odorless, and tasteless.

“Arsenic is one of the highest environmental cancer risks.”

- Arsenic Health Effects Program,
University of California, Berkeley



Frequently Asked Questions:

Who makes the npXtra?

The npXtra is manufactured and supported by R.E. Prescott Co., Inc., a U.S. Manufacturer and Distributor of water treatment equipment for over 50 years. The system uses arsenic-selective adsorptive media.

How do I know the system is working?

When you purchase the npXtra™ system and send in your registration card, you are enrolled in our 2 year testing program, a \$189 value. The testing program includes water tests at the 6, 15 and 24 month intervals or until MCL arsenic breakthrough (the program can be extended by purchasing an extension after the 2 year testing is complete). A kit is mailed to your home or water treatment professional and has easy to follow instructions and a pre-paid return mailing label.

Special Offer: An additional 3 year testing program (extending the program to 5 years) is available at the time of the purchase of your npXtra™ System for only \$199.

Adsorptive Media

The key component in the npXtra POE is a durable arsenic-selective adsorptive media. Significant improvements on the efficiency and longevity of adsorptive arsenic medias have produced reliable, high capacity technologies that provide rapid adsorption kinetics that do not generate fines or require backwashing.

What happens when the tank needs to be changed?

Your water treatment professional will simply replace the tank with a new, pre-loaded tank-no mess, no worries. The spent tank is sent back for proper disposal.



Variables Affecting Arsenic Reduction from Drinking Water

Media used for arsenic reduction is affected by a number of water parameters. A water analysis providing concentrations of Arsenic III, Arsenic V, pH, silica, phosphate, iron, and manganese is required to estimate bed life of the media.

Total Arsenic: Total arsenic concentration above 0.10 mg/L will significantly reduce media life.

Arsenic III [As(III)]: The arsenic removal media removes both Arsenic III [As(III)] and Arsenic V [As(V)], but has approximately four times the capacity for As(V) over As(III). If As(III) is present, it is recommended to oxidize the water ahead of the arsenic removal media.

pH: Adsorption media operates most efficiently between 5.5 and 7.8 pH levels. The media will remove arsenic outside of this range, but the capacity may be compromised. At elevated pH, silica in turn increases. Note: Do not use organic acids (such as citric or acetic) to adjust the pH ahead of the media.

Silica: Levels above 20 mg/L begin to interfere with the media's arsenic adsorption capacity when combined with a pH above 7.5.

Phosphate: Levels above 0.15 mg/L will reduce adsorption capacity.

Iron & Manganese: Soluble iron and manganese may precipitate onto the media bed. If iron and manganese are above the secondary MCLs (0.30 mg/L and 0.05 mg/L respectively), it is recommended to filter them before the arsenic removal system.

Hardness: Does not affect the performance of the arsenic removal media.

Contact your water treatment professional for more information.

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