

# GreenPro™ POU

## Single Tank System

### Arsenic Reduction Solutions using GreenPro™ Water Systems

#### The GreenPro™ POU Arsenic Reduction System safely reduces arsenic.

The heart of the GreenPro™ POU 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 GreenPro™ POU system advantages:

- Convenient 6" x 18" or 8" x 35" columns.
- 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



The GreenPro™ Point-of-Use (POU) System, with LayneRT resin will reliably and efficiently reduce arsenic to a safe consumption level.

The GreenPro™ POU system is a total comprehensive solution, which comes with a testing program of 4 water tests at 6 month intervals, and an exchange tank disposal program once the media is exhausted, to reduce your arsenic concerns.

The GreenPro™ POU treats the entire cold-water flow so that no additional faucet is required. The 2 GPM system provides arsenic protection with minimal interference in your kitchen.

### 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 GreenPro™ POU?

The GreenPro™ POU 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 the LayneRT media, a product of Layne Christensen Company, who is committed to providing the highest quality product.

### How do I know the system is working?

When you purchase the GreenPro™ POU 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 6 month intervals or until arsenic MCL 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 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 GreenPro™ System for only \$199.

### LayneRT

LayneRT is the key component in the GreenPro™ POU. LayneRT is a proprietary, durable, arsenic-selective resin, which has been developed as a significant improvement on the efficiency and longevity of adsorptive arsenic media. It is a reliable, high capacity technology that provides rapid adsorption kinetics without generating fines and does not require backwashing.

### What happens when the tank needs to be changed?

Your water treatment professional will simply replace the tank with a new, preloaded 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 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 resin operates most efficiently between 5.5 and 8.5 pH levels. The resin 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 20mg/L begin to interfere with the media arsenic adsorption when combined with a pH above 7.5.

**Phosphate** - Levels above 150 mg/L will reduce media life for arsenic adsorption.

**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 0.050 mg/L respectively), it is recommended to filter them before the arsenic removal system.

**Hardness** - Does not affect the performance of the arsenic removal resin.

**Contact your water treatment professional for more information.**

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