



# iron reduction **PURE IRON**

## **AIR INJECTION**

When there's too much iron and manganese in your water, troublesome staining on your plumbing fixtures can occur. We've designed a simple, maintenance free way that prevents iron and manganese from staining your fixtures while reducing smells that often accompany these minerals.

Virtually maintenance-free and environmentally friendly, the [Air Injection System](#) is efficient, cost effective, and incredibly user-friendly.

**PURE**  **WATER**  
WATER FILTRATION SYSTEMS  
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## IMPROVE WATER QUALITY

If the reddish-brown stains and water discoloration from the iron in your water continually bothers you, the **Air Injection System** is your solution. It's engineered to eliminate rust and staining while lessening some of the odors that accompany excessive minerals like iron and manganese.

## COST EFFECTIVE

The **Air Injection System** uses an air-injection oxidation process that doesn't require chemical injectors or air compressors, which means there's little to no ongoing maintenance.

## INCREASE APPLIANCE LIFESPAN

As part of your whole-house water treatment plan, the **Air Injection System** protects water softeners, dishwashers, washing machines, and other water-circulating appliances from iron buildup. You'll experience fewer failure rates, less need for costly repairs, and an increase in your equipment's lifespan.

## BUILT TO LAST

Manufactured with durable, commercial-grade, corrosion-resistant components, the **Air Injection System** includes a strong product warranty (5 years on valve / 10 years on tank).

## CERTIFIED MEDIA & COMPONENTS

The media is third-party certified to NSF/ANSI Standard 61 ensuring the product complies with strict manufacturing standards. The components are also certified to NSF/ANSI Standards 44 and/or 61.

## CONTROL VALVE

The **Air Injection System** is a fully-automated electronic metered control valve that is 40% more water efficient than the competition with Ultra-High Efficiency programming for maximum water conservation.

## OPERATING PARAMETERS

|                |                        |
|----------------|------------------------|
| pH             | 6.8 - 8.5              |
| Temperature    | Min. 40°F - Max. 100°F |
| Pressure       | 20 - 100 psi           |
| Iron (ferrous) | < 15.0 ppm             |
| Manganese      | < 5.0 ppm              |
| Oil            | No oil present         |
| Polyphosphates | No polyphosphates      |

Note: Proper equipment application is required for product(s) to perform as specified. Not to be used to treat water that is microbiologically unsafe or of unknown quality, without an adequate and separate means of disinfection.

Made in America - Manufactured by Charger Reno Nevada for Pure Water Inc.

# PURE IRON

## built to last

## HOW IT WORKS

- 1 Untreated water flows into the tank and through an airspace of injected air. This air mixes with water to oxidize ferrous (dissolved) iron and manganese.
- 2 The Filter AgPlus media inside the **Air Injection System** enhances the oxidation process and acts as a filter media to trap and eliminate ferric (non-dissolved) iron and manganese.
- 3 Clean, iron- and manganese-free water enters your home, eliminating staining and preserving plumbing and appliances.
- 4 The **Air Injection System** periodically backwashes the Filter AgPlus media and injects fresh air into the tank. This process keeps the media bed clean and exposes more of the Filter AgPlus for use, making for more efficient operation and extended lifespan.

## SYSTEM SPECIFICATIONS

| Max Soluble Fe/Mn (ppm) | Flow Rate (gpm) | Backwash Rate (gpm) | Tank Size |
|-------------------------|-----------------|---------------------|-----------|
| 10                      | 3.9             | 9.0                 | 12 X 52   |
| 12                      | 4.6             | 10.0                | 13 X 54   |

A water analysis is highly recommended for proper system sizing and application.

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