



# Point Of Entry Water Treatment

Packaged Residential Systems

Adsorption of Arsenic, Iron, Manganese, Hydrogen Sulfide\*

Residential • Light Commercial • Low Flow Remediation Applications

Charger POE water treatment removes arsenic using metal-oxide nano-particles that are precipitated within the resin bed where they form very strong chemical bonds with arsenite (As III) and arsenate (As V). \*When used with Aldex CR-26 media they also provide excellent removal of iron, manganese and hydrogen sulfide contamination from potable and non-potable aqueous streams.



## Charger POE Systems with Aldex CR26 Media

- **Advanced Technology**

- Built in flow control
- Easy to read LCD screen
- Variable backwashing
- Built in ports for water sampling.
- Reliable, high performance operation without chemicals or brine
- Long useful life
- Economical to operate

- **Unique Multiple Contaminant Removal**

Aldex CR 26 is extraordinary for its ability to remove multiple water contaminants delivering a more complete conditioning of water in a single treatment system.

- **Potable and Non-Potable Water Applications**

Aldex CR 26 requires less contact time and is like standard softening resins in bulk density and handling making it an ideal choice for point-of-entry (POE) systems. Aldex CR 26 can be backwashed at lower flow rates to achieve ideal bed expansion needed to remove metal-oxide precipitates generated during the service cycle. Aldex CR 26 is easy to handle versus other oxidative media and many naturally occurring zeolites.

- **Aldex Chemical-Free Regeneration**

The oxidative chemical locked inside Aldex CR 26 beads is regenerated via the dissolved oxygen in the backwash water. This means chemicals such as chlorine dioxide, potassium permanganate, chlorine or sodium chloride brine solution are not needed for regeneration.

- **Backwash Frequency**

ALDEX CR 26 can be backwashed at lower flow rates to achieve ideal bed expansion needed to remove metal-oxide precipitates generated during the service cycle. Refer to CR 26 bulletin for backwash flow rates. Daily backwash is recommended.

- **Easy to handle**

Aldex CR 26 is easy to handle versus other oxidative media and many naturally occurring zeolites.

- **Expected Service Life**

Due to the unique nature of Aldex CR 26 and its function as an oxidizing agent encapsulated within an ion exchange bead, a long service life of 7 to 10 years is expected.

- **Safe for TCLP After Exhaustion**

Once exhausted, Aldex CR 26 media is non-toxic! It passes Toxicity Characteristic Leaching Procedure (TCLP), (EPA test method 1311) and may be disposed of as a non-hazardous material.



Charger Water Treatment Products

[www.chargerwater.com](http://www.chargerwater.com)

Charger POE Water Treatment System and Aldex CR-26 media