

## ADVANTAGES

- Arsenic removal to less than 10 ppb
- No regeneration required

## TECHNICAL DATA

- Titanium based adsorption media
- Form supplied: Granules
- Size: 0.5 – 1.5 mm
- High porosity
- Bulk Density: 40 lbs / cu .ft.
- Color: white

## CAPACITY:

- Adsorption Capacity: 22mg/g to 48mg/g
- Contact time: 12 sec to 2 min

## CONDITIONS FOR OPERATING

- Water PH Range: 5 to 9
- Temperature: up to 90 F
- Bed depth: max. 5 feet
- Freeboard: 50 %

## APPLICATIONS

- POU systems
- POE systems
- Pre-filtration for RO systems
- Industrial
- Municipal

The maximum 50 ppb of arsenic in drinking water will be reduced to 10 ppb in 2006 by the United States Environmental Protection Agency, because of negative health effects. Arsenic enters the drinking water supply through pollution caused by industries and also occurs naturally.

RS-AT is a titanium based arsenic adsorption media. It treats Arsenic III and V. Unlike ferro hydroxide based arsenic adsorption medias the RS-AT requires a very short contact time.

A column test at PACS laboratories was conducted with 50 ppb arsenic and a contact time of only 12 seconds. RS-AT reduced the arsenic to below 10 ppb for 12,000 bed volumes. This makes the media very well suited for point-of-use applications (cartridges).

If the contact time is more than 12 seconds the number of bed volumes is many times larger.

With a contact time between 30 seconds and 2 minutes the media can be used in industrial and municipal applications.

A special patent pending production process makes the media extremely stable. The media is environmentally friendly and very economical.

