

ADVANTAGES

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

TECHNICAL DATA

- Chemical Designation: Ferro hydroxide
- Form supplied: Granules
- Size: 0.5 – 2 mm
- Surface: 2600 sq.ft / gram
- Bulk Density: 44 lbs / cu .ft.
- Color: red brown

CAPACITY:

- Adsorption Capacity: 9 to 15 mg/g
- Contact time: 4-6 minutes

CONDITIONS FOR OPERATING

- Water PH Range: up to 8.5
- Temperature: up to 90 F
- Bed depth: max. 5 feet
- Freeboard: 100 %

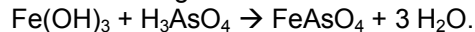
APPLICATIONS

- Municipal systems
- Industrial systems
- New systems
- Replacement Media for existing systems

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-AF is a ferro hydroxide based arsenic adsorption media. It treats Arsenic III and V. The special production and drying procedure of the granulate make it very robust and stable. The media will not give any color or iron to the water. The high porosity allows for a large adsorption capacity.

The adsorbed arsenic is transformed according to the following formula:



Even after the disposal of old media no arsenic can be released into the environment. This product is environmentally friendly and very economical.

Due to the high affectivity and competitive pricing of the media, it is perfect for large industrial and commercial applications.

The media does not require backwashing, but it should be lifted periodically to avoid channeling.

Pressure Loss vs. Flow

