



GET, Inc.

Global EnviroScience Technologies

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Hydrogen Sulfite Removal Data (HSR – 1)

ADVANTAGES

- Hydrogen sulfide removal up to 40 ppm
- Backwash without chemicals or salt
- Long Lifetime
- Backwash without chemicals
- Highly efficient

TECHNICAL DATA

- Porous granules
- Size: 0.5 – 2.2 mm
- Color: red brown
- Surface: 2800 sq. ft. / gram
- Bulk Density: 45 lbs per cu. ft.

CONDITIONS FOR OPERATION

- Media requirements:
1 to 1.5 lb/gpm water flow
- Backwash: 20 gal/sq.ft.
- Water PH Range: 6 to 9.5
- Temperature: up to 80 F
- Bed depth: min. 10"
- Under Bed: Garnet, Flexbed
- Salt or chlorine do not affect the performance.

APPLICATIONS

- Residential systems
- Pre-filtration for ion exchange systems
- Replacement for aerators
- Municipal systems

HSR-1 is the most effective media for the reduction of hydrogen sulfide from water supplies. HSR-1 can reliably remove Hydrogen Sulfide up to 40 ppm. Unlike other medias, there are very few restrictions to the applications of the HSR-1 media.

Low oxygen levels, interfering ion and pH have no significant effect on the performance of the HSR-1 media. The media is very light and requires no regeneration, only backwashing. The advantage of this media is the short contact time and the small amount of media needed.

The hydrogen sulfide is reduced catalytically to an insoluble sulfur precipitate. These precipitates create particles up to 0.1 to 1.0 mm, depending on the amount of hydrogen sulfide present in the water. The precipitates are trapped in the underbed and easily removed during backwashing. We recommend a short backwash daily or every two days depending on the amount of hydrogen sulfide and water usage.

Backwashing occurs with regular well water. The HSR-1 media is very efficient. For example a residential application with a service flow of 10 gpm and a peak flow of 15 gpm requires only 15 lbs of media in a 10" diameter tank.

Pressure Loss vs. Flow

