

**GET, Inc.**

**Global EnviroScience Technologies**

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## Iron Removal Data (IR - 1)

### ADVANTAGES

- Iron removal up to 35 ppm
- Scale prevention
- Long Lifetime
- Backwash without chemicals or salt
- Highly efficient

### TECHNICAL DATA

- Surface: Ceramic templates
- Matrix: Polyacryl
- Size: 0.4 – 0.7 mm
- Color: white
- Bulk Density: 43 lbs per cu. ft.

### CONDITIONS FOR OPERATION

- Media requirements:  
1 Liter/4gpm water flow
- Water PH Range: 6.5 to 11
- Temperature: up to 150 F
- Bed depth: min. 4"
- Under Bed: Garnet, Flexbed
- Hydrogen sulfide pre-filtration is required

### NSF/ANSI Standard 61 Certified

IR-1 is based on nanotechnology. In this process atoms are placed in a special structure so that a template is created. The nanotechnology is so effective that it requires a contact time of only seconds.

The media must be used in a downflow system. The iron ions are oxidized in seconds and trapped in the underbed. The underbed must be backwashed with regular well water without any chemicals or salt.

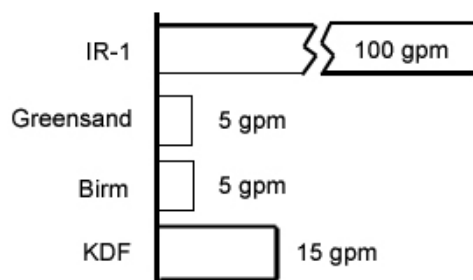
For water usage of up to 1000 gal/day a single tank system is sufficient. A two tank system is necessary for water usage above 1000 gal/day. The first tank with the RS-I media and the second tank with an underbed.

The RS-I 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 1/7 cu.ft. of media in a 10" diameter tank.

### APPLICATIONS

- Residential systems
- Irrigation systems
- Industrial systems
- Municipal systems

Comparison gpm/ 1 cu. ft. of media



Pressure Loss vs. Flow

