

**ADVANTAGES**

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

**TECHNICAL DATA**

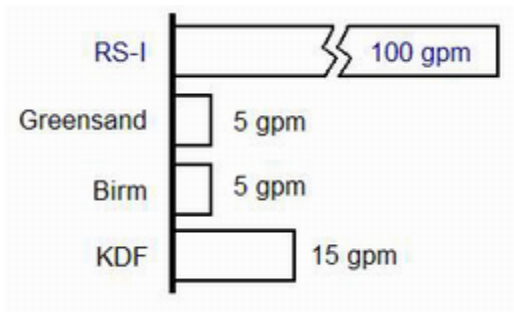
- Surface: Nano Surface
- Matrix: Special Core
- Size: 0.4 – 0.7 mm
- Color: white
- Bulk Density: 43 lbs per cu. ft.

**CONDITIONS FOR OPERATION**

- Media requirements: 1 Liter/4.4 gpm water flow
- Water PH Range: 7.0 to 11
- Temperature: up to 150 F
- Bed depth: min. 4"
- Calcium Hardness > 250-400ppm
- Hydrogen sulfide pre-filtration is required

NSF/ANSI Standard 61 Compliant

Comparison gpm/ 1 cu. ft. of media



Independently tested and found to meet or exceed NSF/ANSI Std 61. (For materials safety)

RS-I 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 may be used in either upflow or downflow. The iron is precipitated within seconds and must be removed with subsequent sediment filtration.

For water usage of up to 1000 gal/day a single tank system is sufficient (downflow). A two tank system is recommended for flows > 1000 gal/day. Here an upflow RS-I media tank is followed by a sediment filter that is backwashed with water.

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

Pressure Loss vs. Flow

