

RESINTECH SIR-1300 is a premium grade resin media having catalytic property to remove dissolved iron, manganese and hydrogen sulfide from ground water. SIR-1300 having catalytic property, oxidizes dissolved ferrous iron (Fe²⁺) to insoluble ferric iron (Fe³⁺). The resulting insoluble iron thus formed gets trapped in the bed and is effectively filtered. The accumulated iron particles can be removed with simple backwash from the resin bed.

FEATURES & BENEFITS

- **LOW PRESSURE DROP DUE TO SPHERICAL BEADS**
- **EXCELLENT CAPACITY WITH DAILY BACKWASH**
- **93% PLUS SPHERICITY AND HIGH CRUSH STRENGTH**
- **NO REGENERANT REQUIRED**
- **LONG PERFORMANCE LIFE**

SUGGESTED OPERATING CONDITIONS

pH Range	> 6.5
Alkalinity	100 ppm minimum
Dissolved Oxygen	> 15% of Iron Content
TOC	< 1ppm
Free Chlorine	0.5 ppm max.
Total Dissolved Solids	2500 ppm max.
Total Suspended Solids	10 ppm max.
Recommended Temperature Range	40 °F-100°F

A. Up to 5 ppm Iron

Bed Depth	30" min.
Service Flow Rate	3.8-4 gpm/cu. ft.
Backwash Bed Expansion	40-50%
Backwash Frequency	10-12 hours
Backwash Time	15-20 minutes

B. Up to 10 ppm Iron

Bed Depth	30" min.
Service Flow Rate	2 gpm/cu. ft.
Backwash Bed Expansion	40-50%
Backwash Frequency	8-10 hours
Backwash Time	15-20 minutes

Note: These guidelines describe average low risk operating conditions. They are not intended to be absolute minimums or maximums.

For operation outside these guidelines, contact: Resin Products +44 (121) 796 6450

PHYSICAL PROPERTIES

Resin Color	Black
Particle Size	16 to 50 mesh
Water Retention	48 to 58 percent
Uniformity Coefficient	1.6 approx.
Approximate Shipping Weight	43-46 lbs./cu.ft.

Note: Physical properties can be certified on a per lot basis, available upon request

APPLICATION

Groundwater treatment for the removal of iron, manganese, and hydrogen sulfide.