

**Water Care  
Systems**

## IRON REMOVAL FILTER

Our Iron Removal Filter contains super grade imported media for the reduction of dissolved iron and manganese compounds from raw water supplies. It may be used in either gravity fed or pressurized water treatment systems. Iron Removal Media acts as an insoluble catalyst to enhance the reaction between dissolved oxygen (D.O.) and the iron compounds. In underground waters the dissolved iron is usually in the ferrous bicarbonate state due to the excess of free carbon dioxide and is not filterable.

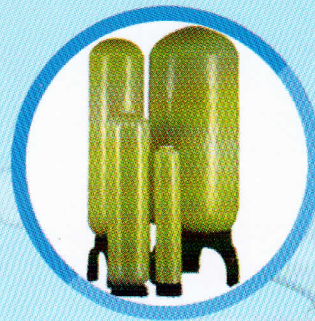
Iron Removal Media acts as a catalyst between the oxygen and the soluble iron compounds, enhances the oxidation reaction of  $Fe^{++}$  to  $Fe^{+++}$  and produces ferric hydroxide which precipitates and may be easily filtered. The physical characteristics of the media provide an excellent filter media which is easily cleaned by backwashing to remove the precipitant. It is not consumed in the iron removal operation and therefore offers a tremendous economic advantage over many other iron removal methods.

## ADVANTAGES

- No chemical required for maintenance .
- No regeneration required.
- Iron removal efficiency is very high.
- Negligible labor cost: only periodic backwashing is required.
- Durable material with a long life.

## APPLICATIONS

- Home and Apartments
- Hotels, Hospitals, Institutes, laundries etc.
- Process water manufacturing plants
- Boiler feed water and cooling water make-up.
- Beverage and food processing industries.



**WATER CARE SYSTEMS**

RP-11, Pandav Nagar, Tankapani Road, Bhubaneswar, Odisha - 751 018  
Ph : 9437001807, 8908238307, E-mail : mywatercaresystems@yahoo.co.in  
Web : [www.watercaresystems.in](http://www.watercaresystems.in)