

Iron Removal Filter

Description

The Iron Removal Filter provided by H2O MSPL removes the Excess Iron content present in the feed water with minimum pressure drop. Most iron filtration systems operate on the principle of oxidizing the iron (oxidation) to convert it from a ferrous (dissolved or soluble) to a ferric or undissolved state. For Oxidizing Iron, H2OMSPL Provides; Aeration, Dosing of Oxidizing agent, or Ozonation depending on process requirement. Post to Iron filter activated carbon filter is provided. Hence, A series of; Oxidation] Iron Removal Filter] Activated Carbon filter is provided.

Salient Features

- Effective for removal of Excess Iron content
- Low Maintenance and operational costs
- Easy to operate
- Less wastage of water
- Feed Water can be used for backwashing the filter



Specifications

- One set of oxidizing system as per process
- One vertical cylindrical vessel with hemispherical ends (Dish Ends)- Iron Removal Filter, inclusive of:
 - a) One set of Internal Collection and Distribution System
 - b) One initial charge of graded media as per process requirement
 - c) One set of Frontal Pipework and valves as per system design
 - d) Two nos. of pressure gauges to calculate pressure drop across the filter
 - e) Operating pressure of 2.5 to 3.5 bar
- One Vertical Cylindrical vessel with Hemispherical Ends (Dish Ends)- Activated Carbon Filter, inclusive of:
 - a) One set of Internal Collection and Distribution System
 - b) One initial charge of graded media as per process requirement
 - c) One set of Frontal Pipework and valves as per system design
 - d) Two nos. of pressure gauges to calculate pressure drop across the filter
 - e) Operating pressure of 2.5 to 3.5 bar

Applications

- The Iron Removal filter has vast applications due to its effectiveness and low operational and maintenance costs
- The Iron Removal filter has domestic, industrial and pharmaceutical applications
- H2O Management services provides Activated Carbon filter in various sizes and metallurgy (FRP, MS-EP, MS-FRP, MS-RL, SS 304, SS 304L, SS 316) as per client and process needs

Note

1. Depends on feed water quality
2. Dosing of suitable coagulant will provide more effective filtration



Some of our Standard Models

Name	Capacity (LPH)
IRF-0500M/A	500
IRF-1000M/A	1000
IRF-2000M/A	2000
IRF-3000M/A	3000
IRF-5000M/A	5000
IRF-7500M/A	7500
IRF-10000M/A	10000

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