

Multi Grade Sand Filter

Description

The Multi grade sand filter provided by H2O MSPL consists of a mesh of various graded (sized) media together. The media inside the filter is arranged in such a way that it produces a filter bed with adequate pore dimensions for retaining both large and small suspended particles. Raw water with 25 to 50 PPM Suspended solids produce filtrate with less than 5 PPM on passing through the filter. It can be used stand-alone to remove physical impurities in water or can be used as pre-treatment to safeguard further equipment.

Specifications

One Vertical Cylindrical vessel with Hemispherical Ends (Dish Ends), inclusive of:

- One set of internal collection and distribution system
- One initial charge of graded media as per process requirement
- One set of frontal pipework and valves as per system design
- Two nos. of pressure gauges to calculate pressure drop across the filter
- Operating pressure of 2.5 to 3.5 bar
- H2O MSPL provides filters in various sizes depending on feed water conditions and capacity

Salient Features

- Effective for suspended solids removal
- Low maintenance and operational Costs
- Easy to operate
- Less wastage of water
- Feed water can be used for backwashing the filter



Applications

- The Multi Grade sand filter has vast applications due to its effectiveness and low operational and maintenance costs
- The Multi Grade sand filter has domestic, industrial and pharmaceutical applications.
- H2O MSPL provides Multi Grade sand 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)
MGF-0500M/A	500
MGF-1000M/A	1000
MGF-2000M/A	2000
MGF-3000M/A	3000
MGF-5000M/A	5000
MGF-7500M/A	7500
MGF-10000M/A	10000

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