

Activated Carbon Filter

Description

The Activated Carbon Filter provided by H2O MSPL consists of Activated Carbon in Granulated form. It works on the principle of adsorption. The provided media (Activated Carbon) consists of small pores, in which the water gets trapped and harmful chemicals/pollutants are adsorbed by the Activated Carbon. Granular Activated Carbon is ideally suited for DE chlorination of water with free chlorine content, deodorization, de-colorization, and removal of organic matter. The free chlorine is reduced to “Not Detectable” Limits. It is used in series, after Multi-Grade sand filter to remove chemical and physical impurities in water. A combination of Multi-Grade sand filter and Activated carbon filter 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 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

- The Activated Carbon Filter provided by H2O MSPL consists of Effective for dechlorination, deodorization, decolorization and removal of organic matter
- Low maintenance and operational costs.
- Easy to operate
- Less wastage of water
- Feed water can be used for backwashing the filter



Applications

- The Activated Carbon Filter has vast applications due to its effectiveness and low operational and maintenance costs
- The Activated Carbon Filter has domestic, industrial and pharmaceutical applications
- H2O MSPL 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)
ACF-0500M/A	500
ACF-1000M/A	1000
ACF-2000M/A	2000
ACF-3000M/A	3000
ACF-5000M/A	5000
ACF-7500M/A	7500
ACF-10000M/A	10000

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