

Process / Potable Water Treatment

Cartridge Filtration



Product Application

Cartridge Filtration is the simplest, modular filters that are inserted into a housing and can be used to remove particles or sometime chemicals from the water or fluid. Cartridge filters can be made from number of materials such as polypropylene or Cotton wound or spun type, also can be made activated carbon in block.

Microfiltration is used as a polishing filter for granular media filtration and as pre-treatment for other membrane filtration like Reverse Osmosis to protect the RO membranes from damage and fouling.

An example of microfiltration is the use of Cartridge Filters which are available in different pore sizes (100 - 0.1 micron). Cartridge filters are mainly used in drinking water, surface water, sea water desalination applications, in addition to some other special applications such as:

- Pre-treatment to RO System
- Chemicals Filtration
- Beverages Filtration
- Solvents Filtration
- Pharmaceutical Industry

Process Description

Microfiltration is a type of physical filtration process where a contaminated fluid is passed through a special pore-sized membrane or element to remove suspended particles from process liquid, the particles removed depend on the cartridge filter type, micron rate & material of construction.

Product Benefits:

- Minimal footprint requirement
- Low Cost of ownership
- Easy installation
- Low maintenance

Service and Features:

- Supply as part of integrated system to achieve the performance guarantee values
- Fast track delivery
- Retrofit for existing filters
- Filter Housing with special arrangement and Fabrication Standards (ASME)
- Installation & supervision commissioning
- Operation & maintenance services

