



WaterMax



ULTRAFILTRATION

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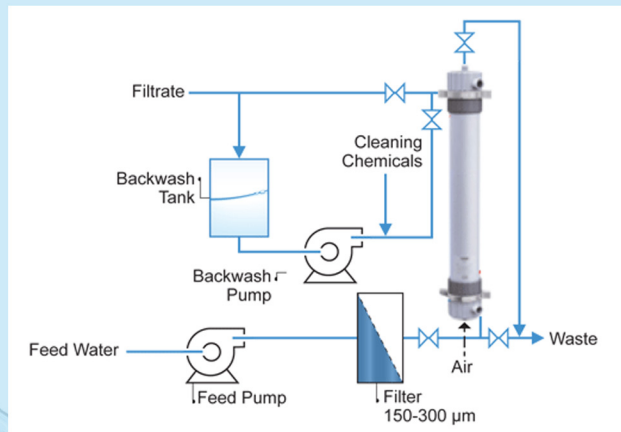
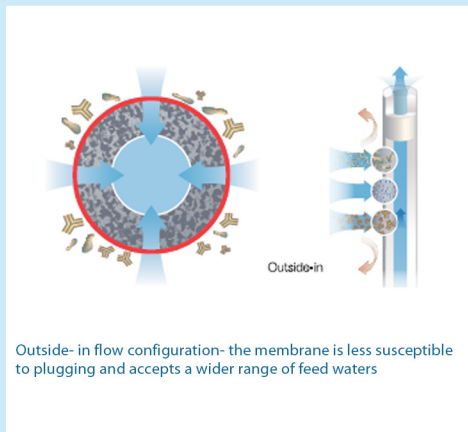
Website : www.watermax.co.in

ULTRAFILTRATION

Ultrafiltration is a pressure driven membrane separation process that removes suspended or particulate matter (including colloids & silt) from water. This solution is far more reliable than a conventional multimedia filter, which removes approximately 10 micron or larger matter, where a UF membrane pore size ranges from 0.01 to 0.10 micron. In addition to superior turbidity removal, UF membranes efficiently remove bacteria and most viruses.

Watermax Ultrafiltration is applied in cross-flow or dead-end mode. Ultrafiltration (UF) as a pretreatment is the best option for ensuring continued and consistent economical performance of your boiler feed and process water treatment system.

Watermax offers ultrafiltration systems that are extremely effective for treating heavy surface water. Ultrafiltration treated water can be sent for reverse osmosis and recycled or further taken for portable application. With ultra-filtration, costly and unreliable methods of water waste pre-treatment before reverse osmosis is not required; which means, considerable savings in terms of pre-treatment and increased RO availability factor.



Features And Advantages

- ◆ Fully automatic and easy to operate.
- ◆ Low fouling Hydrophilic Polyvinylidene fluoride membrane
- ◆ Excellent filtration performance with high flux
- ◆ High chemical resistance and temperature tolerance for effective membrane cleaning
- ◆ Very fine nominal pore diameter .
- ◆ High removal efficiency of bacteria and viruses
- ◆ Dead-end or concentrate bleed flow capabilities
- ◆ Outside-in flow configuration that allows for less plugging and higher solids loading, higher flow area and easier cleaning
- ◆ Can be periodically back washed and air scoured to improve performance and extend operating life by removing the fouling layer
- ◆ Simple, vertical, modular design allows low-cost, compact system
- ◆ Improved Removal efficiency of SS, SDI, VIRUS, PATHOGENS , BACTERIA and Other Microorganisms.
- ◆ Replaces Conventional Pre-treatment
- ◆ Minimises of Pre-treatment Chemicals, Coagulants and other Filtration Equipment

Applications

- ◆ RO pretreatment
- ◆ Drinking water treatment
- ◆ Silica removal with DM Plant for High Pressure Boiler application
- ◆ Process separation or recovery
- ◆ Tertiary wastewater or grey water treatment
- ◆ Milk Processing Industries
- ◆ Post Treatment for STP