



UF Series

Membrane Filtration Systems

- > Filtration to 0.02 microns
- > Continuous flow rates to 12 gpm
- > NSF® 61 certified
- > Reduction of turbidity, silts, and clays



APPLICATIONS

- > Colloidal removal
- > Tannin reduction*
- > Reverse Osmosis pre-filter
- > Polishing post-filter filtration
- > Grey water and rainwater use, catchment, and recycling

* Requires field testing with UF Stick



FEATURES

- > Designed for turbidity and fine sediment filtration applications
- > Patented outside/in membrane tank design
- > 0.02 micron filtration
- > High-performance flow rates up to 12 gpm
- > Standard bottom drain and opening for drainage and cleaning of the system
- > Low waste water discharge used when cleaning
- > Protection during power outages and intermittent power

OPTIONAL FEATURES

- > Self-chlorinating feature
- > Auto flush kit
- > Separate source backwash



UF SERIES

The CustomCare® UF Series membrane based filtration system is designed for turbidity and fine sediment filtration applications.

The membranes operate with flow from the outside to inside, and a simple backwash cleaning of the membranes with water being the only requirement. The membranes are non-biodegradable and have superior mechanical and chemical resistance. The UF Series membranes provide filtration for clean, clear water at every faucet or point of use.

Technology that is easy to use.

The UF membranes require normal line pressure to operate and have low waste discharge when in backwash/cleaning mode. The UF design offers lower pressure drops at higher service flow rates over conventional cartridge filters. The simple backwashing of the system means no more cartridges to change. The UF can be utilized as a final polishing stage for rainwater, "grey water" systems, and with water reclamation systems.



Four bundled membranes at 0.02 micron filtration.

UF Membrane

The UF Series offers 0.02 micron filtration at service flow rates up to 12 gpm, utilizing a patented and industry exclusive tank design. The internal UF module treats turbidity, silts, clays, and other particles down to 0.02 micron size. The backwashable system allows for the use of an easily maintained control valve to be utilized much like a water softener. Manual "in/out" style control valves may also operate the system. The vessel also comes standard with a bottom drain opening for easy drainage and cleaning purposes of the tank system.



The chlorine generator valve disinfects when iron or sulfur bacteria might be present.

Disinfection Option

In many well water cases, it is advisable to operate the UF Series membrane system with a patented chlorine generator, especially where iron or sulfate reducing bacteria might be present. These bacteria, although not harmful to human health, can produce a "bio film" which can prematurely foul the membrane. A simple chlorination, produced by salt and the chlorine generator, may alleviate this condition allowing the membrane to perform at its peak performance. The chlorine generator is an optional feature.

Note: This product is not certified as a microbiological purifier and should not be applied as a stand-alone disinfection solution for microbiologically unsafe water.

Auto Flush and Separate Source Backwash Kits

Typically the CustomCare UF Series needs to be drained or "blown down" periodically, depending on the loading of this system. The auto flush kit ensures that this happens automatically on a preset schedule, keeping the membrane and housing clean.



Separate source regeneration (top left) and auto flush valve (lower right).

In the case of extremely turbid waters, a separate source backwash kit may be needed to ensure proper cleaning of the membrane with treated water.

MEMBRANE FILTRATION

UF Series Membrane Filtration Systems

Your local water treatment professional:



CustomCare[®]

A Water-Right Brand

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