



SuperTRAP®-UF

Ultrafiltration For Tough Water Quality Problems
Safe Clean Purified Water From Every Faucet



CASCADIAN® SuperTRAP®-UF
Automatic Filtration to 0.01 Micron

The Most Advanced Ultrafiltration Available:

- Automatic separation of particles to 0.01 micron
- Efficient self cleaning
 - No filters to change
- Filters even when power fails
- High flow with low pressure drop
 - 12 gpm peak and 10 gpm continuous
- In place disinfection and cleaning options
- 3rd party certified
 - NSF and BioVir approved

For Treatment of the Most Difficult Water Quality Problems Including:

- Bacteria, cysts and viruses
- Colloids - submicron suspended particles
- Sediment and solids
- Silica
- Tannins and other natural organic matter
- Turbidity cloudiness

Practical Applications Include:

- | | |
|------------------------|-----------------------|
| • Peace of Mind | • Rainwater recycling |
| • Potable water | • RO pre-filtration |
| • Water reclamation | • Manufacturing |
| • Grey water recycling | • Medical |

Practical Markets Include:

- | | |
|------------------------------|----------------------|
| • Domestic residential water | • Ground Water |
| • Transient water systems | • Lake Water |
| • Municipal Water | • Rain Water |
| • Well Water | • Water Reuse |
| • Small Community Water | • Manufacturing uses |

Note: Equipment May Vary From Photo



✓ Protect

✓ Prevent

✓ Save



SuperTRAP®-UF

Ultrafiltration For Tough Water Quality Problems Safe Clean Purified Water From Every Faucet

Utilizing the SuperTRAP®-UF patented and industry exclusive liner design, the internal UF module treats colloids, bacteria, cysts, viruses, turbidity, tannins, and other particles down to 0.01 micron size. The high surface area UF bundles require normal line pressure to operate, low waste discharge when in backwash/cleaning mode, and offer low pressure drop with high service flow rates.

The SuperTRAP®-UF can be utilized as a final polishing stage or on water reclamation systems for Rainwater or Grey water, along with offering protection during power outages and intermittent power. This pressure vessel is tested and certified by NSF International against NSF/ANSI Standard 44 for materials and structural integrity requirements.

A high area volume ratio allows for compact design. The membrane is non-biodegradable and has superior mechanical and chemical resistance. The SuperTRAP®-UF System provides point-of-entry filtration, for safe clean purified water at every faucet.

MEMBRANE:

- Patented Outside/In Polymeric Membrane Filtration Module that is NSF 61 and EPA certified.
- BioVir certified and tested system for log reduction of Bacteria and Virus.
- Four bundles of filtration fibers totaling 5 ½ miles length with 194 ft² surface area.
- High performance flow rates: Continuous Flow Rate: 10 gpm and Peak Flow Rate: 12 gpm at 77 °F and 60 psi.
- Standard bottom opening for system drainage and cleaning purposes.
- Economical POE packaging that looks like standard water treatment equipment.
- Low waste water discharge used when cleaning.
- Protection during power outages and intermittent power.

APPLICATIONS:

- Peace of Mind
- Bacteria, cyst and virus removal.
- Grey water and rainwater use, catchment, and recycling.
- Colloid removal.
- Natural Organic Matter (includes tannins) removal.
- RO pre-filter.
- Polishing post filter filtration.

TECHNICAL INFORMATION:

- Continuous Flow Rate: 10 gpm and Peak Flow Rate: 12 gpm at 77 °F and 60 psi.
- 0.01 micron nominal; 0.02 micron absolute
- Operating Temperature: 35 to 100 °F.
- Operation Pressure: 10 to 100 psi.
- 4.4 log (99.995%) reduction of Bacteria.
- 2.4 log (99.5%) reduction of Virus.
- 2.0 log (99%) est. reduction of Cyst.
- 100,000 (MWCO)
- Backflush: Once per day (5 minutes at 0.7 to 2 gpm typical).
- Drain Flush: Once per week (2 minutes at 5 gpm typical).

RAW WATER SPECIFICATION:

- Pre-filtration: 5 microns or less.
- Chlorine: 1.0 ppm maximum for continuous flow (up to 2,000 ppm for cleaning only).
- Iron: less than 0.3 ppm.
- Manganese: less than 0.05 ppm.
- Silt Density Index: less than 6.0
- pH: 3 to 11.
- Pressure Decay Test (PDT) is required upon installation.

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

CASCADIAN® Professional Water Treatment Products Since 1994

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