



The Specialty Membrane Company



TERTIARY FILTRATION



PRODUCT HIGHLIGHTS

- + iSep™ 500-PVDF UF Elements
- + Secondary effluent filtration
- + Municipal wastewater
- + Feed TSS: 5-20 mg/l
- + Operating Flux: 30-40 gfd
- + Peak Flux: 40-50 gfd
- + Alum addition in UF feed

UF Features & Benefits

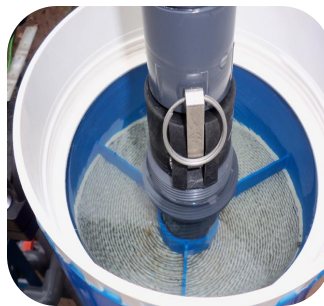
- + No air scour requirement
- + Open flow channel design
- + Frequent Draining
- + Backwashing Capabilities
- + High TSS handling
- + Durable construction
- + High effluent quality
- + Vacuum operation



SECONDARY CLARIFIERS



WATER REUSE



iSep UF ELEMENT

Sustainable fresh water

supplies are diminishing at an unprecedented rate due to increased populations, agricultural use, and industrial demand. Wastewater recycling using iSep 500 ultrafiltration (UF) membranes is a new, viable water source that provides safe, high quality effluent.

iSep UF systems replace conventional granular media filters commonly used at most wastewater treatment plants (WWTP). iSep UF membranes provide a complete barrier layer that ensure consistent effluent quality regardless of incoming feedwater. This eliminates plant vulnerability to process upsets, something conventional media filters simply cannot.

As an advanced treatment technology, iSep UF systems can provide high quality effluent that can be used for a multitude of uses, including advanced reuse applications. iSep UF membrane systems can be also be used to retrofit existing WWTP that are struggling to meet discharge permit requirements, such as high TSS and/or phosphorous. The unique design of iSep allows for easy implementation with minimal disruption.

Delivering Customized Products to Solve Unmet Customer Needs