

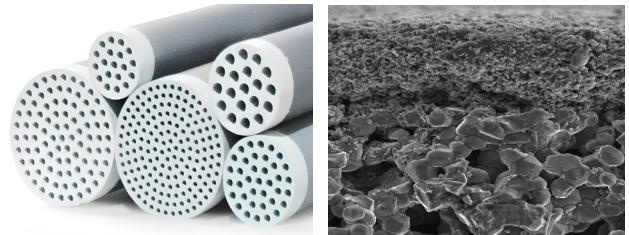
Durable Filtration for Microplastics

Abrasion-Resistant Ceramic Ultrafiltration Systems

Saltworks' XtremeUF ultrafiltration systems with robust silicon carbide (SiC) membranes provide reliable removal of microplastics and abrasive particles from industrial wastewater. Silicon carbide membranes offer unmatched durability that reduce maintenance and extends filtration system lifespan.

Key benefits:

- Filter microplastics between 0.05 μm and 1 μm to meet strict discharge limits.
- Silicon carbide membranes provide the highest abrasion resistance of all UF membranes, ensuring a durable and robust separation surface.
- Withstands repeated automated mechanical cleans programmed to maintain plant capacity.
- Intelligently automated to detect fouling and initiate self-cleaning for optimal performance.
- Fully modular, factory-built, and tested for seamless integration and expansion.



Photograph and electron microscope cross-section of silicon carbide membranes used in XtremeUF

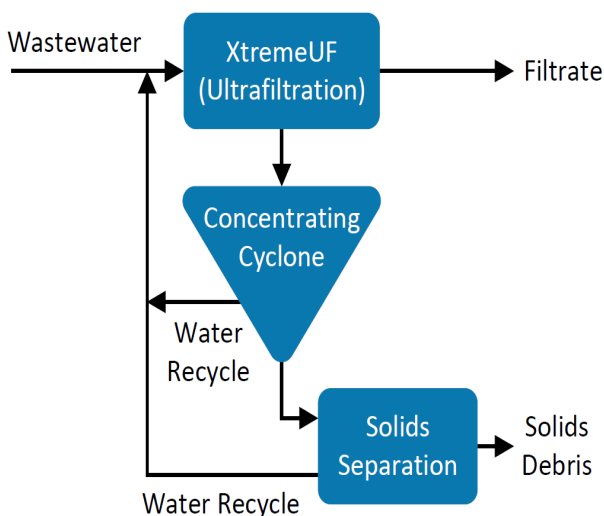


An XtremeUF modular unit

Saltworks specializes in the design and delivery of high-recovery water treatment systems. Our modular, intelligently automated systems are off-site constructed, pre-commissioned, and ready for rapid installation and start-up. Our engineers work with your team to assess your microplastics treatment options.

Ideal for treating microplastics in industrial wastewaters, including:

- Petrochemical manufacturing
- Cosmetics and textiles manufacturing
- Plastics manufacturing and recycling
- Other industries



Flow diagram of microplastic filtration with XtremeUF