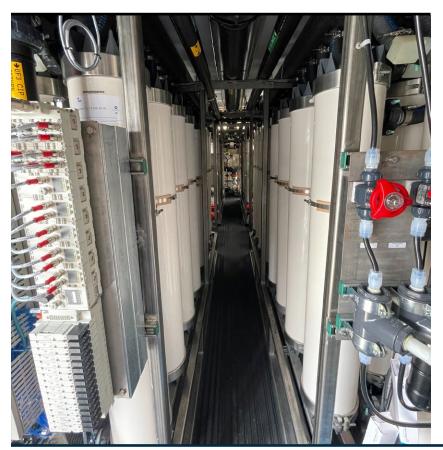


High-Solids Ultrafiltration

High Solids handling UF producing up to 600-800gpm of filtrate water, typical SDI<3.

Production solution for removing TSS, organics, iron, manganese and other contaminants. Perfect for Reverse Osmosis pretreatment.

Fully automated system with continuous monitoring instrumentation and remote access to ensure optimal operation.



FEATURES

- Resilient Inge dizzer® xl 1.5MB Multibore® membranes
- Particle rejection to 0.02 microns
- "All Onboard" Tanks, pumps, and pneumatic systems, minimal setup required
- Fully automated PLC-controlled CEB & CIP Systems
- 24-hour remote access to ensure water quality parameters are met
- Automated coagulant feed systems
- 24/7 Logistics Department for dependable order placement and delivery coordination
- Onboard touchscreen panel PC and PLC for real-time SCADA and system trending
- 2,100-gallon filtrate tank
- Quad-Train design for increased redundancy
- Pressurized waste (10psi)

APPLICATIONS

- · Pretreatment for reverse osmosis
- Wastewater recovery for process use or discharge
- Tertiary filtration
- Removal of color



DIMENSIONS

Trailer:

53'x8.6'x13.6' (LxWxH)

Operating Weight 100,000 pounds

PRODUCT WATER

Turbidity ≤0.5 NTU

Silt Density Index

≤3

TOC^*

40-70% Removal

Filtrate Flow

Up to 600-800 gpm at 60 psi (solids loading dependent)

*Based on coagulation and pilot study

CONNECTIONS

Inlet

8" 150# ANSI Flange

Product

8" 150# ANSI Flange

Waste

8" 150# ANSI Flange

REQUIREMENTS

Max. Water Temp.

100° F

Inlet Pressure

40-80 psig

Inlet Turbidity

200 (peak to 400) NTU

Inlet TSS

300 (peak to 500) ppm

Electrical

480 VAC, 250 FLA, 3 PH with waste skid 275 FLA

Influent Flow

Up to 900 gpm

Waste

~600 gpm at 10 psi (intermittent during backwash)

INSTRUMENTATION

Influent & effluent water flow meters

pH meters

Turbidity meters

Touch screen panel PC and PLC for real-time for SCADA and system trending

Digital pressure transducers

Remote monitoring

Electrically efficient-VFD controlled pumps

