

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

