

Mobile Ultrafiltration

Provides up to 800 gpm of filtered water from a variety of influent water sources.

Production solution for removing TSS, organics, iron, manganese and other contaminants.

System comes fully automated with continuous monitoring instrumentation to ensure optimal operation.



FEATURES

- Resilient PVDF “outside-in” hollow-fiber membranes
- Particle rejection to 0.02 microns
- Fully automated PLC-controlled CIP system
- 24-hour remote access and PLC to ensure water quality parameters are met
- Automated chemical feed systems for dechlorination, prefiltration, scale inhibiting and pH control
- 24/7 Logistics Department for dependable order placement and delivery coordination
- Onboard touchscreen panel PC and PLC for real-time SCADA and system trending
- 2,000-gallon filtrate tank
- Independent dual-train design

APPLICATIONS

- Iron/manganese removal from groundwater sources
- Wastewater recovery for process use or discharge
- Pretreatment for reverse osmosis
- Tertiary filtration
- Removal of color



DIMENSIONS

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

Operating Weight
120,000 pounds

PRODUCT WATER

Turbidity
≤0.1 NTU

Silt Density Index
≤3

TOC*
40-70% Removal

**Based on coagulation
and pilot study*

CONNECTIONS

Inlet
6-8" 150# ANSI Flange

Product
6" 150# ANSI Flange

Waste
6" 150# ANSI Flange

REQUIREMENTS

Max. Water Temp.
100° F

Inlet Pressure
40-100 psig

Inlet Turbidity
75 (peak to 200) NTU

Electrical
480 VAC, 218 FLA, 3 PH
with waste skid 242 FLA

Influent Flow
Up to 1,170 gpm

Effluent Flow
Up to 800 gpm

INSTRUMENTATION

Product water flow
meters

pH meters

Inlet turbidity meters

Touch screen panel PC
and PLC for real-time

SCADA and system
trending

Digital pressure
transducers

Electrically efficient-VFD
controlled pumps

