MPW’s Mobile ULTRA-FILTRATION System provides up to 800 GPM of filtered water from a variety of influent water sources to meet or exceed stringent requirements.

Features
- Resilient “outside-in” hollow fiber membranes
- Rejection of particles as small as 0.02 microns
- Fully Automated PLC controlled CIP system
- 24-hour remote monitoring and DAS to ensure water quality parameters are met
- Automated chemical feed systems for de-chlorination, pre-filtration, scale inhibition and pH control
- 24/7 Logistics Department for dependable order placement and delivery coordination
- System automation / touch screen controlled

Typical Applications
- Iron / Manganese removal from ground-water sources
- Removal of TSS and organics for reuse of process and waste waters
- Replacement for clarifiers with no sludge generation
- Pretreatment for reverse osmosis
- Tertiary filtration

MPW’s Mobile UF System is a production solution for removing TSS, organics, Iron, Manganese, and other contaminants from a variety of water sources including, but not limited to, waste water and ground water. Units are available for emergency, supplemental, and long-term requirements. Each trailer-enclosed system is capable of delivering 800 GPM of filtered water from a variety of influent water sources. MPW’s UF System comes fully automated with continuous monitoring instrumentation to ensure optimal operation. MPW’s trained Field Service Technicians are available to assist with site evaluation, set-up, commissioning and operation.
Mobile ULTRA-FILTRATION

System Features

**DIMENSIONS**
- Trailer: (LxHxW) 53’x13.6’x8.6’
- Operating Weight 125,000 lbs

**PRODUCT WATER**
- TSS 10-200 GPM (Per Tank)
- Turbidity ≤ 0.1 NTU
- Silt Density Index ≤ 3
- TOC 40-70% Removal

**CONNECTIONS**
- Inlet 6” 150# ANSI Flange
- Product 6” 150# ANSI Flange
- Waste 6” 150# ANSI Flange
- 3” 150# ANSI Flange

**REQUIREMENTS**
- Max. Water Temperature 104°F
- Min. Water Temperature 35°F
- Inlet Pressure 5psig - 90psig
- Inlet Turbidity 75 (peak to 200) NTU
- Electrical 480VAC, 3ph, 198FLA
- Influent Flow Up to 1000 gpm
- Effluent Flow Up to 800 gpm

**INSTRUMENTATION**
- Inlet, Product and Reject Flow Meters
- pH and Conductivity Meters
- Inlet/Product Non-Contact LED Turbidity meters
- Touch Screen Panel PC and PLC for Real-Time SCADA and System Trending
- Digital Pressure Transducers
- Electrical Efficiency- VFD Controlled Pumps

Technical Specifications

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