Mobile UF/RO Combination

Filters water from various sources with changing conditions and production requirements.

UF system removes TSS, organics, iron, manganese and other contaminants from a variety of water sources.

RO system removes dissolved solids, total organic carbon (TOC) and other colloidal contaminants.

Operable in single-pass mode with 300 gpm nominal flow rate or double-pass mode with 250 gpm nominal flow rate.
DIMENSIONS

Trailer
53’x8.6’x13.6’ (LxWxH)

Operating Weight
85,000 pounds

PRODUCT WATER

Turbidity
≤0.1 NTU

Silt Density Index
≤3

TOC*
40-70% Removal

CONNECTIONS

Inlet
6” 150# ANSI Flange

Product
4” 150# ANSI Flange

Waste
6” 150# ANSI Flange

REQUIREMENTS

Max. Water Temp.
100˚ F

Inlet Pressure
5-100 psig

Inlet Turbidity
75 (peak to 200) NTU

Electrical
480 VAC, 400 FLA, 3PH

Influent Flow
Up to 600 gpm

Effluent Flow
Up to 300 SP/250 DP

INSTRUMENTATION

Product water flow meters
pH and conductivity meters
Inlet and turbidity meters
Touch screen panel PC and PLC for real-time SCADA and system trending
Digital pressure transducers
Electrically efficient VFD-controlled pumps

* TOC: Total Organic Carbon