

Flexible Media Filtration System



MPW's Flexible Media Filtration System provides rapid response filtration and/or softening capabilities for processing supply waters with high concentrations of suspended solids and organic colloids. Our turnkey, fully automated, touch-screen controlled, all inclusive system provides immediate results upon installation for managing both your emergency and extended term filtration and/or softening requirements. Each system can be configured using a variety of media types and produce flow rates up to 1,000 GPM. Systems can be configured for filtration, softening, or a combination of both. MPW's trained Field Service Technicians are available to assist with site evaluation, setup, commissioning and operation.



Features

- Capable of up to 1,000 GPM flow rates
- Customized for filtration, softening, or a combination of both
- PLC Controlled Chemical Feed Systems and Automatic Backwash/Media Regeneration
- Multiple flexible media configurations
- On-board touchscreen panel PC and PLC for real-time SCADA and system trending
- 24/7 Logistics Department for dependable order placement and delivery coordination
- Field service technical support



Typical Applications

- Turbidity and suspended solids reduction
- Organic compound reduction
- Colloidal silica reduction
- Reverse osmosis or demineralization pre-treatment
- Pre-treatment system outage support
- Process filtration requirements
- Activated carbon pre-treatment requirements

System Features

DIMENSIONS

Trailer: (LxHxW) 47'x8.5'x13.5'
 Operating Weight 100,000 lbs

PRODUCT WATER

Flow Rate Up to 1,000 GPM
 Vessels Six 60" Dia x 90" H
 Coagulant Auto inline feed system
 Backwash Manual & Auto options

CONNECTIONS

Inlet / Outlet 4" camlock or 6" flange
 Backwash Drain 4" camlock
 Pressure Relief Drain 4" camlock

REQUIREMENTS

Min. Water Temperature 35°F
 Max. Inlet Pressure 120 psi @ 75°F
 Min. Inlet Pressure 50 psi
 Inlet Turbidity Range <50 NTU normal
 100 NTU max.
 Electrical 120 V, 15 AMP

INSTRUMENTATION

Touchscreen Panel PC and PLC for Real-time
 SCADA and System Trending
 Flow Meter and Totalizer
 Pressure Reducing Valve (PRV)
 Digital Pressure Transducers

Technical Specifications

