

MPW's Multi-Pass RO design provides the ability to vary flow rate with changing influent water quality conditions and production requirements.

MPW's Multi-Pass 600 Reverse Osmosis (RO) System provides a convenient production solution for removing dissolved solids, total organic carbon (TOC) and other colloidal contaminants. This system operable in single pass with 600 GPM nominal flow rate or double pass with 300 GPM nominal flow rate. The system offers full automation, touch screen controls, flexibility and reliability to meet your specific flow rate and effluent water quality requirements. MPW's trained Field Service Technicians are available to assist with site evaluation, set-up, commissioning and operation.



### Features

- Quick conversion to single pass or double pass operating mode
- Removes up to 99% of ionic contaminants, and organics over 200 molecular weight
- 24-hour remote monitoring and DAS to ensure water quality parameters are met
- PLC controlled chemical feed systems for de-chlorination, pre-filtration, scale inhibiting and pH control
- 24/7 Logistics Department for dependable order placement and delivery coordination
- Full system automation / touch screen controlled



### Typical Application

- Total dissolved solids reduction
- Organic compound reduction
- Colloidal silica reduction
- Demineralizer system pre-treatment
- Water system outage support
- Environmental improvement and waste discharge reduction

## System Features

### DIMENSIONS

Trailer: (LxHxW) 47'x8.5'x13.5'  
 Operating Weight 75,000 lbs

### PRODUCT WATER

Single Pass Product, 45°F Up to 600 GPM  
 Double Pass Product, 45°F Up to 300 GPM  
 Recovery 1 pass up to 75%  
 2 pass up to 90%  
 Rejection Up to 99%

### CONNECTIONS

Inlet / Product /Reject 6" camlock

### REQUIREMENTS

Max. Water Temperature 110°F  
 Min. Water Temperature 35°F  
 Inlet Turbidity < 1 NTU  
 SDI15 < 3  
 Electrical 480v AC, 3-phase, 304 FLA

### INSTRUMENTATION

Inlet, Product and Reject Flow Meters  
 pH and conductivity meters  
 Touch Screen Panel PC and PLC for Real-Time SCADA and System Trending  
 Digital Pressure Transducers  
 Electrical Efficiency - VFD Controlled Pumps

## Technical Specifications

