MPW’s Modular Service Demineralizer System provides reliable service in a self-contained, automated, weatherized enclosure.

MPW’s climate controlled containerized system provides up to 2 million grains of demineralization capacity and flow rates up to 200 GPM. The dual train design can be operated in single or combined mode depending on the water requirements. Once a train is exhausted, it can be quickly and conveniently exchanged for a freshly regenerated train from one of MPW’s Regional Service Centers. The system comes complete with all interconnecting hoses, monitoring instrumentation and automatic shutdown controls. MPW’s trained Field Service Technicians are available to assist with site evaluation, set-up, commissioning and operation.

**Features**
- Up to 2 million grain production capacity
- The dual train design can be operated in single or combined mode depending on the water requirements.
- Variable flow rates up to 200 GPM
- Conductivity instrumentation and auto shut down controls for effluent water quality monitoring
- Fully insulated and heated for year round operation
- 24/7 Logistics Department for convenient, dependable order placement and delivery coordination

**Typical Application**
- High purity water production
- Reverse osmosis polishing
- Process water requirements
- Power generation peaking plant requirements
- Zero liquid discharge locations

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Modular Service Demineralizer System

System Features

**DIMENSIONS**
- Trailer: (LxHxW) 20’x 9.5’x8’
- Operating Weight 50,000 lbs

**PRODUCT WATER**
- Flow Rate Up to 200 GPM
- Silica ≤ 10 ppb
- Effluent Conductivity ≤ 0.1 μS/cm

**CONNECTIONS**
- Inlet / Outlet 4” camlock

**REQUIREMENTS**
- Max. Water Temperature 110°F
- Max. Inlet Pressure 120 psi
- Min. Inlet Pressure 30 psi
- Inlet Turbidity Range <1 NTU
- Electrical 240 VAC, 100 AMPS

**INSTRUMENTATION**
- Dual Conductivity Meters
- Flow Meter and Totalizer
- Automatic Shutdown on Power Loss
- Automatic Shutdown when Product Conductivity Set point is Exceeded
- Pressure Reducing Valve (PRV)

Technical Specifications

- Mixed Bed Resin Tanks
- Tank Roller System
- Conductivity Analyzers
- Dual Train Distribution System
- Product Water
- HVAC
- Control Panel
- Feed Water
- Pressure Reducing Valve
- Cation / Anion Resin Tanks