Multi-Configuration Demineralizer

MPW features the industry’s largest mobile demineralization system with up to 10 million grains of production capacity.

MPW’s unique header and vessel design makes adjusting ion exchange resin configurations quick and easy to fit your specific production and quality requirements in a cost effective manner. Systems can be configured to produce capacities from 3 million to 10 million grains. MPW’s mobile demineralization service includes system staging, start-up and operator training by a qualified MPW driver technician.

Features
• Up to 28 custom configured vessels per trailer for optimum site specific performance
• Conductivity instrumentation and auto-shutdown controls for effluent water quality monitoring
• 3 million– 10 million grain production capacity options
• Adjustable flow rates for up to 450 GPM per trailer
• 24/7 Logistics Department for dependable order placement and delivery coordination
• Field service technical support
• Regionally located regeneration and service centers for fast, dependable support

Typical Applications
• Steam generator make-up
• Pre-commission services (hydro/steam blows)
• Condensate or off-spec. water polishing
• Process water requirements
• Zero liquid discharge locations
• Seasonal & peak demand requirements
• Supplemental capacity support
• Water plant outage support
**System Features**

**DIMENSIONS**
- Trailer: (LxHxW) 47’x8.5’x13.5’
- Operating Weight 100,000 lbs

**PRODUCT WATER**
- Flow Rate: Up to 450 GPM
- Silica: ≤ 10 ppb
- Effluent Conductivity: ≤ 0.1 μS/cm

**CONNECTIONS**
- Inlet / Outlet: 4” camlock or 2.5” Firehose

**REQUIREMENTS**
- Max. Water Temperature: 110°F
- Max. Inlet Pressure: 120 psi
- Min. Inlet Pressure: 30 psi
- Inlet Turbidity Range: <1 NTU
- Electrical: 120 V, 15 AMP

**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**

**UP TO 28 VESSELS WITH MULTIPLE CONFIGURATIONS**
- Pressure Reducing Valve
- Dual Train Distribution System
- Control Panel
- Conductivity Analyzers
- Rear Access
- Feed Water
- Ion Exchange Vessels
- Mixed Bed Polishers
- Product Water