

Mobile Deionization (DI) Service

MPW's Deminators™ provide dependable, convenient deionization service for emergency and short-term needs. MPW's unparalleled customer service is exemplified by our responsiveness and dedication to customizing the best mobile system for your needs. 24-hours a day, MPW responds immediately to your water treatment needs.

Large Capacity and Customization

The Deminator™ minimizes downtime by providing double the capacity of competing systems, thereby purifying more water. MPW's systems provide greater capacity because they hold more resin to purify the water. Additionally, MPW's mobile systems are custom configured to provide the best capacity possible given your water supply, which improves efficiencies and reduces turnaround time and overall cost.

As a result of our increased capacity, our systems require less frequent regeneration than competitive units, which minimizes logistical delays and mobilization costs.



MPW's regeneration process is uniquely designed to minimize stress on the resin, enhancing its effectiveness. Each vessel's resin is treated in its tank by multiple stations allowing the life of the resin to be tracked, which is a valuable precaution against cross contamination.



MPW's deionization systems produce up to 10 Million grains of exchange capacity, which is twice the ability of competitive systems.

Technical Specifications

Flow rates	50 to 450 gallons per minute (GPM)
Product conductivity	0.055 micromhos per centimeter ($\mu\text{mho/cm}$)
Product silica	<10 parts per billion (PPB)
Shipping weight	55,000 pounds (lb.)
Operating weight	83,000 pounds (lb.)
Minimum pressure	50 pounds per square inch (PSI)
Maximum pressure	150 pounds per square inch (PSI)
Tank size	15 and 30 cubic feet (ft^3)
Number of tanks	24 - 26 per system
Types of vessels	strong acid cation, weak base anion, strong base anion, mixed beds
Size	8' wide x 13'6" high x 43' long
Electrical	110 volt, single phase, 20 amp
Instrumentation:	Conductivity meter with adjustable setpoint and automatic flow shutdown. Digital flow indication with totalizer, and pressure regulating system with inlet and outlet gauges.

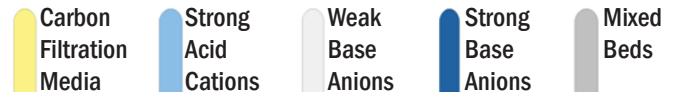
Benefits of MPW's Mobile Deionization

- Minimizes downtime
- Double the capacity of competing systems
- Reduces turnaround time
- Cost-effective
- Custom configured for your water needs
- Consistent supply of deionized water
- Thorough regeneration process

Contact your local MPW Representative today for more information on MPW's Mobile Deionization Service capabilities, 24-hours a day at (800) 842-4355.

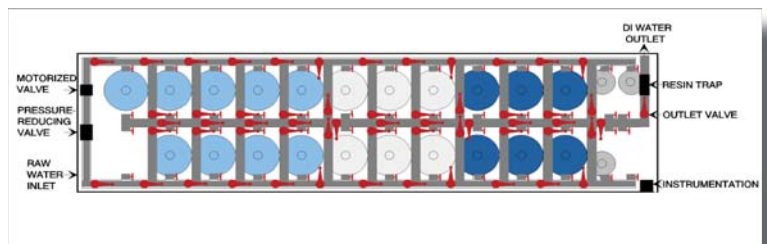
DI Custom Configurations

MPW's mobile deionization systems are custom configured to maximize throughput based on your water supply. Systems consist of a combination of 30 and 15 ft³ fiberglass tanks containing carbon filtration media, strong acid cation resin, weak and strong base anion resin, and mixed bed vessels. MPW's renowned 10 Million Grain Deminator™ and two additional configurations are shown below.



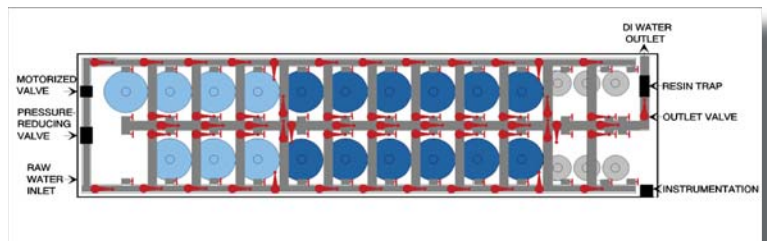
10 Million Grain Deminator™ (9-6-6-3)

MPW's Deminator 10™ is the world's largest and most economical mobile deionizer. The Deminator™ is configured to produce 10 million grains of deionized water. It produces flow rates up to 350 gallons per minute (GPM). MPW uniquely uses weak base anion resin to extend the capacity of the strong base anions.



High Flow Deminator™ (7-0-12-6)

MPW's High Flow Deminator™ is configured to maximize throughput producing flow rates ranging from 350 to 450 gallons per minute (GPM). The High Flow Deminator™ provides up to 7.7 million grains of exchange capacity.



Filtration and DI Deminator™ (4-6-6-6-3)

MPW's Filtration and Deionization Deminator™ is custom designed to provide consistent high purity water. This powerful water treatment combination of carbon filtration and deionization in one unit is a cost effective way to remove colloidal silica and minimize on-site equipment. With flow rates from 250 to 300 GPM, it provides up to 6.6 million grains of exchange capacity.

