

Filtration and Deionization System

MPW provides carbon filtration and deionization (DI) systems in one mobile unit to produce consistent high-purity deionized water for facilities. This powerful water treatment combination is custom equipped to remove colloidal silica, which decreases boiler efficiency and may cause excessive component damage. The carbon filtration process includes coagulant injections to ensure the removal of all fine suspended solids including colloidal particles. This process is ideal for customers who require additional treated water.

MPW's water system is a cost-effective alternative to facility downtime or curtailment, which can cause the loss of hundreds of thousands of dollars. MPW's mobile system acts as a supplemental water supply in the event of a plant water system failure. The water process also provides additional water capacity to complement a facility's water system. The continuous presence of MPW's mobile system enables the customer to use other source water supplies that normally require additional pretreatment, such as surface, well and fire water.

MPW's high capacity units require infrequent trailer exchanges as compared to smaller capacity models. By providing filtration and deionization in one unit, MPW's mobile water system minimizes on-site equipment and traffic while providing a high-purity water supply.

Benefits of Filtration & Deionization System:

- No large overhead
- Custom designed to treat facility's source water
- One mobile unit on-site
- Large capacity
- Output contains minimal colloidal silica
- Provides contingency water treatment source
- Ability to treat additional raw water sources
- Off-site regeneration



MPW's mobile water treatment systems provide additional high-purity water without incurring large overhead costs.



MPW's flexible water system configuration is custom designed to produce high-purity water and adapt to various water sources and treatment needs.

Contact your local MPW Representative today for more information on the combined filtration and DI system.

