

Mar Cor Purification
Dialysis Water Products



Mar Cor Purification Dialysis Water Products & Services

Mar Cor Purification (MCP) is the largest supplier and service provider of hemodialysis water systems and associated components in North America. Mar Cor offers hemodialysis providers a turn-key solution that is designed to make sure critical water needs are being served in compliance with applicable regulations.

Mar Cor Purification Hemodialysis Water Markets



Outpatient Clinics



Medical Centers



Home Care

You Care For Your Patients

People undergoing hemodialysis require a high level of patient care. The incoming water, the distribution piping that carries the purified water, and a reliable back-up system all must be designed and maintained in order to meet the stringent demands of the AAMI water standards. That is why it is important to deal with a water company that understands the serious nature of providing water for dialysis and is there when you need them.

Trust Us With the Water

Mar Cor Purification has been meeting the demand of providing water for dialysis for over 40 years. We are able to offer hemodialysis providers a complete array of systems, products, and services. All of our systems meet FDA requirements and AAMI standards. No matter what your source water is, we provide a safe, reliable system that is custom designed to produce water pure enough for hemodialysis patients.

More Than Just Central Water Systems

Mar Cor Purification offers a wide variety of medical water products and services, in addition to water systems, to ensure that hemodialysis clinics and their employees have the equipment, products, information, and service to effectively provide their patients with the highest quality water available.

Products & Services:

- Portable RO Systems
- Training
- Disinfectants
- Spare Parts
- Filtration
- Bicarbonate Systems
- Cleaners
- Distribution Systems
- Customer Service
- Station Wall Boxes



Ensuring Safe Water for Dialysis

Central Dialysis Water Systems

We provide a comprehensive line of medical device dialysis water systems designed to meet your clinic's needs for production output and monitoring capabilities. We offer basic machines to more advanced systems all of which are compliant with today's AAMI guidelines and CMS requirements.

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Central **Heat** Disinfectable Dialysis Systems

- **BioPure HX2** Double Pass Dialysis Water System with Automated RO/Loop Heat Disinfection
- **CWP 100** Dialysis Water System with Automated Loop Heat Disinfection

Central **Chemical** Disinfectable Dialysis Systems

- **23G** Dialysis Water System
- **4400M** Dialysis Water System

Typical System Components

- Mixing Valve to blend incoming hot and cold water for reliable temperature production
- Booster Pump designed to provide consistent and adequate water pressure to the RO machine
- Sediment, Softener and Carbon Adsorption Filters
- Optional Storage Tank provides continuous loop operation & allows for reduced pretreatment & RO size
- Validated 510(k) exchangeable Pyrogen Filtration units designed to remove bacteria and endotoxins

System Features

- FDA 510(k) Complete Water Treatment System for Dialysis that meets AAMI requirements
- Thorough water analysis and system design
- Complete turn-key installation by trained technicians
- Final As-Built drawing and Operation Manual
- Specific component, valve, pressure gauges, and test ports identification
- 24/7 service through regional centers across North America

We Know Dialysis Water Systems

Portable Dialysis Water Systems

We offer a comprehensive line of portable dialysis water systems designed to meet your acute and home program needs. These medical device RO machines are designed to provide reliable production with full monitoring capabilities. All systems are compliant with today's AAMI guidelines and CMS requirements.

- FDA 510(k) Water Purification Devices for Hemodialysis
- ROVER™ Dialysis Water Transport System and Docking Stations
- Integrated Carbon Block Technology and Activated Carbon Tanks
 - Endotoxin Controlling Final Filter Capsules

Portable Heat Disinfectable Dialysis Systems

- **Millenium HX®** Dialysis Water System with Automated Isolated Heat Disinfection
- **WRO 300 H** Dialysis Water System with Automated Heat Disinfection

Carbon Block Technology, Carts and Docking Stations

- **ROVER** Dialysis Water Transport System
- **PTG-520®** Compact Carbon Filtration System for Portable Dialysis Water Systems
- **ERGO Dock** Ergonomical Docking Station System

Filtration, Disinfectants, & Cleaners

Critical to the successful operation of a dialysis water system is the purity of the final water. MCP has a complete line of proven products designed to achieve the goal of consistent, compliant water.

FiberFlo® Hollow Fiber Cartridges and Capsules

Be compliant and offer protection; final 510(k) filtration devices for proven bacteria, endotoxin, and particle control.

FiberFlo® Prefilter Cartridges

Safeguard your water system with a complete line of depth and pleated cartridges in a variety of materials, micron ratings, and sizes.

Minncare® HD Disinfectant, Minncare® Cold Sterilant and Test Strips

Minncare HD is the first FDA 510(k) cleared disinfectant that is intended for the disinfection of water purification systems for hemodialysis.

Minnclean® AC & TF

Keep RO membranes in good condition with low and high pH cleaners designed to remove scaling (AC) and organic foulants (TF).



Bicarbonate Systems

Mar Cor Purification recognizes the challenges of properly preparing and transporting solutions to your patients. So we have several 510(k) mix and delivery systems that offer both quality and ease of use.

Bicarb Mix & Delivery Systems

Our Bicarbonate Mix and Delivery Systems are user friendly and designed for simple operation.

- Dual Tank Systems
- Single Mix Units
- Pressurized or Gravity Design

Acid Delivery Systems

Our Acid Delivery Systems use individual bulk storage tanks to safely hold and deliver concentrate liquid.

- Various Sizes
- Local and Remote Fill Capability
- Pressurized or Gravity Design



Distribution Systems

The distribution system is an integral part of a dialysis facility. Special attention must be given to both design and materials. We are leading the way in providing materials that provide smoother surfaces and connections thus reducing bacteria formation.

MicroFree™ Water Distribution Loops

We offer expertly installed water and concentrate piping distribution loops using high quality materials.

- MicroFree Piping and CleanPEX® Piping Systems
- Certified MCP Installers
- Complete Testing and Disinfecting

Station Wall Boxes

Our Station Wall Boxes are designed to fit your individual clinic needs.

- Custom molded polyethylene boxes
- Various combinations for water, bicarb, acid; including rinse ports
- Zero Deadleg (ZDL) connection on MicroFree & CleanPEX® Piping Systems

Customer Service, Spare Parts, & Training

From product support, to essential parts, to ongoing education, MCP has the resources to keep your water treatment system and clinic running smoothly.

Technical & Customer Service

MCP maintains a personally attended customer telephone system providing technical support and fast response for medical device components.

Dialysis Water Product Digital Catalog

MCP offers a comprehensive digital catalog that details our critical medical device spare parts and other retail items. Visit catalog.mcpur.com today to keep up-to-date with new dialysis products and services

Dialysis Water Training

MCP offers several comprehensive training programs for medical water treatment from our experts. This includes water treatment technologies, system operation, maintenance procedures and troubleshooting techniques.

- **Factory Training Seminars** – 4 & 5 day comprehensive water treatment system training program for medical systems.
- **Online Training** – MCP's on-line Water Solutions 12 course program contains valuable training and resource information about water for medical systems and provides 14 contact hour credits.



Mar Cor Purification Support Services

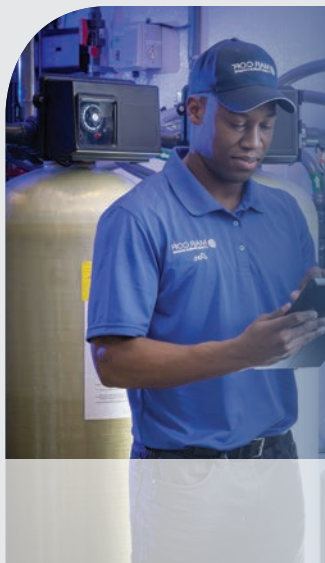
Mar Cor Purification is one of the largest and most experienced water purification companies in North America. We have been servicing water treatment equipment for over 40 years and have an experienced nationwide team of technicians qualified to work on your water systems. Key services offered include:

Service Exchange Deionization

Equipment Installation

Maintenance & Repair

Training Services



Service Exchange Deionization

Service deionization is a portable deionization (DI) and carbon exchange service that allows our customers to produce high purity water in an economical manner. Mar Cor Purification uses dedicated resins for SDI medical applications and has regeneration plants in 7 locations in the US and Canada to provide timely and economical SDI services.

Some of the benefits of an Mar Cor SDI system are:

- Resins qualified for use in hemodialysis applications
- Low capital cost, high purity water system
- Provide temporary purified water in the event of equipment shutdown
- Service carbon to lower on site maintenance cost
- Stringent qualified regeneration processes and traceability procedures ensures SDI performance

• MixedBed SDI

• Anion SDI

• Cation SDI

• Carbon SDI

Equipment Installation

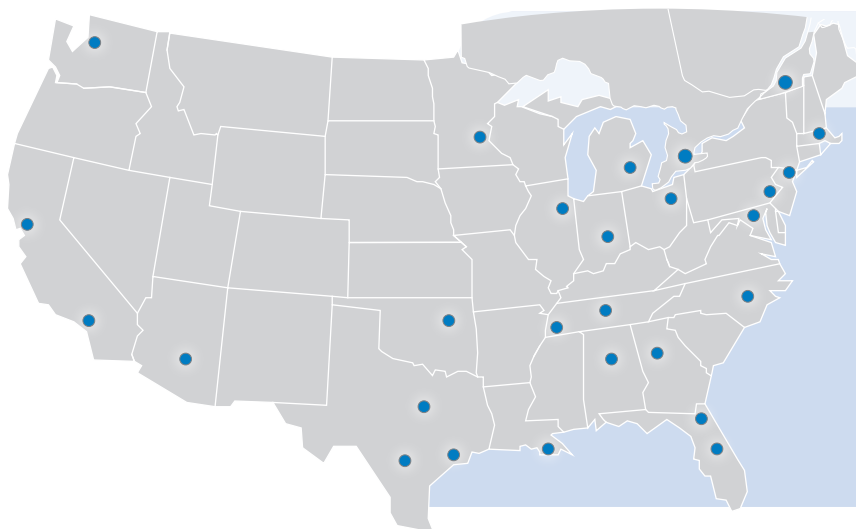
- System Start-Up
- In-Depth Operator Training
- Storage & Distribution Piping Systems

Maintenance & Repair

- Diagnostics and Repair Services
- System Performance Audits
- Preventative Maintenance

Engineering Services

- Validation Documentation
- Engineering Documentation
- Project Management



Mar Cor Purification Service Center Locations

Atlanta, GA	Indianapolis, IN	Phoenix, AZ
Birmingham, AL	Jackson, MS	Orlando, FL
Boston, MA	Jacksonville, FL	Philadelphia, PA
Charlotte, NC	Los Angeles, CA	Raleigh, NC
Chicago, IL	Memphis, TN	San Antonio, TX
Cleveland, OH	Minneapolis, MN	San Francisco, CA
Columbia, SC	Montreal, QC	Seattle, WA
Dallas, TX	Nashville, TN	Tulsa, OK
Detroit, MI	New Orleans, LA	Toronto, ON
Houston, TX	New York, NY	Washington, DC

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