



RENAL TECHNOLOGIES

## Expertise You Can Count On

With Fresenius Medical Care, you get over 30 years of renal therapies expertise, access to a product portfolio that covers nearly every aspect of dialysis care, and many of the most recognized product names in the industry.

To learn more about the AquaA RO systems, please contact your local Fresenius Renal Technologies Sales Representative or call Customer Service.

**800-323-5188**  
[fmcna.com/AquaA](http://fmcna.com/AquaA)



### Indications For Use:

The AquaA Water Purification Systems are reverse osmosis units intended for use with hemodialysis systems to remove organic and inorganic substances and microbial contaminants from the water used for treating hemodialysis patients or other related therapies. These devices are intended to be a component in a complete water purification system and are not complete water treatment systems. Each reverse osmosis unit must be preceded by pre-treatment devices and may need to be followed by post-treatment devices as well, to meet current AAMI/ANSI/ISO and Federal (US) standards.

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**FULL HEAT DISINFECTION  
Now within Your Reach**  
**AquaA™ Dialysis Water Treatment System**

# AquaA™ Dialysis Water Treatment System

## DELIVERING ON WHAT MATTERS MOST



Busy dialysis clinics face new challenges as the costs of resources and labor increase. Replacing older and inefficient water purification systems with more sustainable eco-friendly technology that conserves water and power is a necessity.<sup>1</sup> AquaA delivers on these demands and offers full heat disinfection.

### Designed to Meet Your Most Demanding Challenges

#### Flexibility Means More Capability

The AquaA RO water system is modular, so it fits into a flexible footprint to meet your clinic's unique needs. Customizations include added redundancy with double-stage reverse osmosis, fully automatic heat disinfection, and ultrafiltration to serve as a final barrier against endotoxins and bacteria in the product water stream. With one AquaA system, you can supply up to 75 dialysis stations.<sup>2</sup>

#### Intelligent Technology Means More Efficiency

As one of the leaders in the industry, the AquaA is designed to maximize efficiencies with water recovery rates of up to 85 percent.<sup>1</sup> Smart monitoring settings detect how many stations are being used and automatically adjusts to save energy and water. And without additional disinfectants, there's no need to discard potentially hazardous chemicals into the sewer systems.

#### Reduced Maintenance Means More Savings Potential

AquaA only requires preventative maintenance once every two years and no preventative maintenance parts to purchase. Plus, with its full-heat disinfection, it reduces hands-on maintenance disinfection time to zero.

1. FMCNA data on file as of 09/2022.

2. At 800 mL per minute consumption flow.

## Different needs. One tailor-made solution.

When you partner with Fresenius Medical Care, you'll have access to a comprehensive line of Aqua RO systems designed to meet a variety of requirements. All are designed to address ANSI/AAMI standards for dialysis water, and to serve the needs of everyone on your staff.

**Physicians.** Our water systems help meet one of the top priorities for doctors—providing uninterrupted treatments to patients.

**Nurses.** Reliable and intuitively designed for ease of use, our systems help save more time for patient treatments.

**Administrators.** Our flexible systems are designed to be highly adaptable and align to almost every center's need with improved efficiencies.

**Technicians.** Innovative heat technology requires no chemicals for disinfection during regular maintenance.



## Efficient technology saves you time and money.



**Reduced water consumption.** The AquaA is one of the industry leaders, using up to 85 percent of the inlet water for treatments.\*

**Less rinse-water waste.** Our zero rinse technology minimizes the use of fresh water by rinsing the supply lines to the dialysis stations with recycled product water.

**No chemicals.** Innovative heat-disinfection requires no chemicals for disinfection during regular maintenance. That means less risk for operators and less stress on our environment.

**Energy-saving technology.** With consumption monitoring, the AquaA system recognizes when the system is not fully utilized and switches off a pump to save energy.

\*FMCNA data on file as of 09/2022.

Learn more at [fmcna.com/AquaA](https://fmcna.com/AquaA)

## Flexibility to Meet Your Changing Needs

The AquaA central water treatment system offers state-of-the-art functionality to meet the wide range of needs that centers of different sizes and setups demand.



### AquaA

**Single Stage Reverse Osmosis System.** Supplies dialysis water to the distribution system according to ISO 23500-3, and serves as the interface and master system for all additional options that can be added to the system.

### AquaA2

**Double Stage Reverse Osmosis System Option.** This can be added to any AquaA system to improve dialysis water quality and safety. Its advanced fail-safe mode adds full system redundancy, ensuring safe and reliable supply even in case of hydraulic failures.

### AquaHT

**Automated Heat Disinfection.** Adds a dialysis water tank unit for fully automatic heat disinfection of the dialysis water distribution loop and RO membranes, along with a hot rinse of the hemodialysis (HD) devices.

### AquaUF

**Ultrafiltration Option.** A central Ultrafiltration unit placed before the Dialysis Water Distribution Loop that offers a final barrier against endotoxins and bacteria in the product water stream.

## End-to-End Full Heat Disinfection

The AquaA system offers full heat disinfection of the RO and distribution ring (loop) and hot rinse of dialysis machines.

### AquaA and AquaHT

RO along with primary and secondary rings are heat disinfected.



## Safe, Efficient Full Heat Disinfection

The fully automatic heat disinfection on the AquaA enables you to fulfill the disinfection strategy specified in ISO 23500-1. The central delivery RO system is designed to prevent bacterial proliferation and to minimize the formation of biofilm. See how the AquaA delivers safety with efficiency:

- Isolated dialysis water hot tank designed to minimize heat loss
- Variable tank level and temperature configuration for energy savings
- Hot rinse of up to 35 hemodialysis devices in one process; heat disinfection of loop has the capability of supplying a hot rinse to HD machines using a fluid fly loop

## Benefits of Advanced Heat Disinfection Technology

**Labor savings.** Timer-based automated heat disinfection replaces the manual, chemical disinfection by a biomed technician.

**Improved performance.** Automatic process allows for more frequent disinfections when needed—all without added labor. Heat disinfection also aids in silica removal from the membranes.

**Environmentally friendly.** No need to dispose of disinfectants into the local sewer system.

# Dedicated Partnership

When you buy one of our RO systems, you'll get professional management from a dedicated, expert team that stays with you every step of the way.

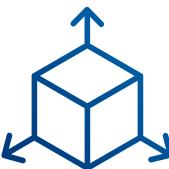
Partnering with you at every stage, a dedicated installation engineer (IE) will guide your team throughout the entire installation process. Following that, expert training is provided, either at your site or at our state-of-the-art training center. We continue our partnership with exceptional customer service and a dependable supply chain that delivers reliability.

## Installation: Step-by-Step



### PHASE 1: **DESIGN**

1. Work with your IE to custom-design your system
2. Discuss project needs and provide estimate
3. IE responsible for site survey and gathering water samples
4. Review and approve system design



### PHASE 2: **COORDINATE**

1. Work with your IE to plan installation
2. Plan plumbing, electrical, and building requirements
3. Coordinate removal of existing system and set up temporary system, if applicable



### PHASE 3: **INSTALL**

1. Installation team arrives with water system and reviews installation plan with you daily
2. Installation lead performs all manufacture checks and walks you through all details for a smooth handover
3. Collected water samples are sent for analysis
4. IE performs quality analysis of complete system installation
5. IE schedules training session and plans for follow-up in 2–4 weeks to answer any questions

# Peace of Mind Delivered

To lighten your workload, the reliable AquaA RO system only requires routine maintenance every two years. Thoughtfully designed from the start, any system updates and maintenance are simplified with convenient pop-out panels that make access easy.



### Easy Accessibility

- 24 inches of access between devices
- Preventative maintenance every two years



**Advanced Pretreatment Configuration**

## Planned, Designed, and Built for You

### Custom Solutions for Individual Needs

When you choose the AquaA RO system, you can count on sophisticated installation support, including advising and planning at every step. Our tailor-made solutions address different perspectives, different requirements, and different needs.