

# Unique Heat Disinfection & Emergency Technology

# BIOPURE HX2® DIALYSIS WATER SYSTEM



### STANDARD OPERATING MODES

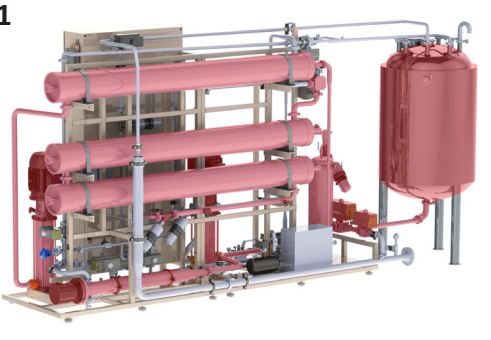
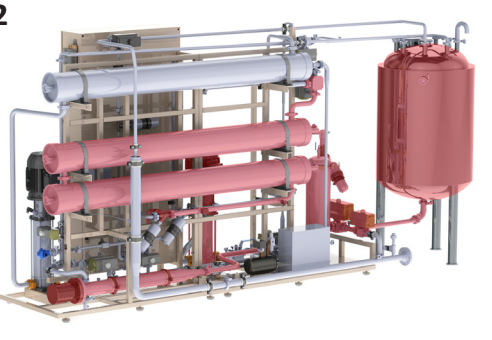
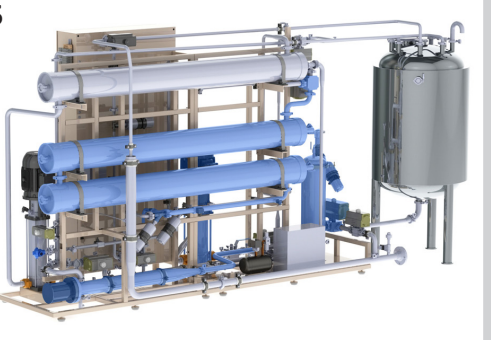
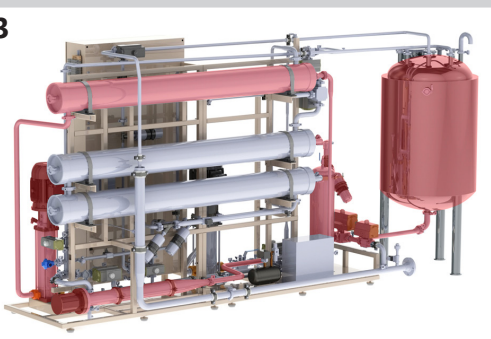
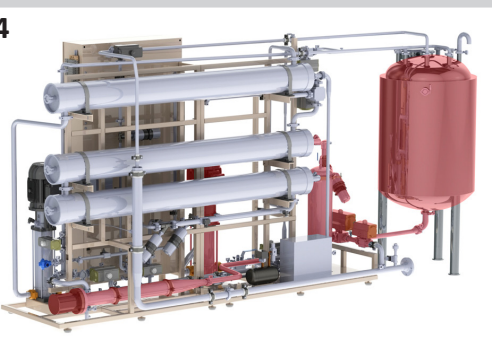
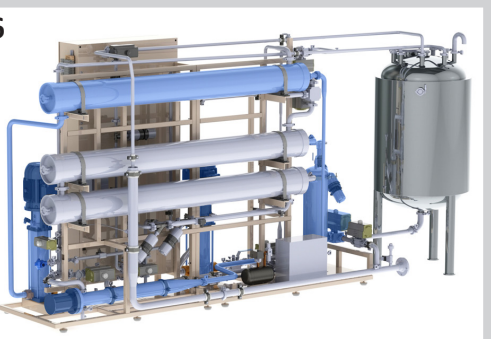
#### 3 NORMAL OPERATION CONFIGURATIONS

- Double-Pass
- Emergency Independent Single Pass A
- Emergency Independent Single Pass B

#### 4 HEAT OPERATIONS

- Full System Disinfection
- Independent Single Pass A Disinfection
- Independent Single Pass B Disinfection
- Hot Water (80°C) for Point of Use

OPERATE IN BOTH SINGLE OR DOUBLE PASS CONFIGURATION

		
FULL SYSTEM DISINFECTION	INDEPENDENT SINGLE PASS A DISINFECTION	EMERGENCY INDEPENDENT SINGLE PASS A
		
INDEPENDENT SINGLE PASS B DISINFECTION	HOT WATER (80°C) FOR POINT OF USE	EMERGENCY INDEPENDENT SINGLE PASS B



EXPERIENCE ULTIMATE PURITY

BIOPURE HX2® is a registered trademark of Mar Cor Purification Inc., A Cantel Medical Company.



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# Engineered to Improve Product Water Quality



BioPure HX2

EXCEEDS ULTRAPURE DIALYSATE REQUIREMENTS

## BIOPURE HX2® DIALYSIS WATER SYSTEM

The next generation of Hemodialysis Central Water Treatment Systems is designed to meet stringent international medical water requirements, deliver unparalleled water quality, and ensure ongoing operation cost savings for the provider. This direct feed, double-pass reverse osmosis water treatment device is part of Mar Cor Purification's strategy to develop innovative technologies that improve patient safety, increase provider productivity, and deliver operational savings.

### Unparalleled Endotoxin Control

The BIOPURE HX2 ultrapure water system was operated through a series of tests aimed at identifying the endotoxin & bacterial removal levels achievable using the heat disinfectable double pass reverse osmosis process.

The results of this study found that the BIOPURE HX2 consistently achieved endotoxin levels of less than 0.01 EU/mL and less than 0.1 cfu/ml microbial, exceeding various international standards, including ISO 13959:2014.

The BIOPURE HX2 system is capable of producing water for use in the making of ultrapure dialysate as defined in ISO 11663:2014, highlighting the potential patient care benefits associated with consistently maintaining low levels of endotoxins.



**PROVEN**  
ENDOTOXIN  
REMOVAL

**< 0.01 EU/ML**  
ENDOTOXIN CONCENTRATION

BIOPURE HX2 PRODUCT WATER ANALYSIS

**EXCEEDS**  
ULTRAPURE  
REQUIREMENTS

# Specifically Designed to Reduce Ongoing Utility Costs

UP TO  
**95%**  
WATER  
RECOVERY

**STANDARD WATER SAVING TECHNOLOGIES**

**Variable Frequency Drive Distribution Pumps**  
These durable stainless steel pumps automatically adjust frequencies based on water flow to reduce electrical consumption

**Self Adjusting Reject Flows**  
Fully automated self-adjusting modulating valves control reject and deliver water savings of up to 90% over a traditional system

**High Recovery Standby Mode**  
High Recovery Mode allows the system to recover as much as 95% reject water with in standby mode

## Reduce Patient Risk While Improving Profitability

The BIOPURE HX2 was truly designed to increase provider productivity and reduce the long term cost of producing and delivering water for hemodialysis., The system is equipped with 95% water recovery capability, offers high efficiency motors with variable frequency drives, and provides self-adjusting modulating valves to control reject flows. These standard energy and water saving features reduce on-going operating costs over the life of the system.

## UNIQUE DESIGN OFFERS UNRIVALED GROUP OF FEATURES

**Automated self-adjusting modulating valves to control reject.**

**Modular skid system separates for easy installation.**

**User friendly 10" color HMI interface for full system control.**

**Ethernet and USB connections allow for full connectivity.**

**Color-touch screen monitor for patient treatment area.**

**All components on one skid including heat components and filters.**