

EON

Purity for Life.

The EON™ Portable Reverse Osmosis (RO) Water Purification System ensures you produce safe, high-quality medical water for hemodialysis.

With proven, reliable technology and simple-to-use controls, the EON System is ideal for in home and acute hospital settings. Confidently and easily control the machine through the smart, touch screen panel that also presents the data you need to monitor and track the system. Also revolutionary Heat Forward™ technology helps eliminate routine chemical disinfection processes by producing a controlled and continuous flow of hot water.

The EON System is designed to meet AAMI-grade water standards according to ANSI/AAMI 13959.



PROVIDER PRODUCTIVITY

AUTOMATED HEAT DISINFECTION

Eliminates routine chemical disinfection



PATIENT SAFETY

INCREASE SYSTEM READINESS

Automated thermal disinfection process



RESOURCE CONSERVATION

INNOVATIVE WATER SAVER

Increase recovery & reduce consumption

510(k) Medical Device



Unique Features

- Heat Forward Technology
 - Continuous flow of hot water
 - No time constraints
- Custom designed User Interface
 - Easy to use controls
 - Instant access to key parameters
- Redesigned flow path
 - Improves performance in hard water environments
 - Operates on low inlet PSI to prevent shutdown
- Simplified heat disinfection processes
 - Eliminate chemical processes
 - Single Heat, Storage Heat & Heat Forward
- Semi-automated chemical cleaning
- Minimize patient and staff risk
 - Reduce chemical exposure
 - Product divert
- Fully integrated endotoxin removal filter
 - ENX™ Ultrafilter protects against bacteria and pyrogens
- Multiple Leak Detector options
 - Internal or remote sensor with user alert or shutdown

Operational Features

- Color touch screen LCD control panel
 - Clear display of operational functions
- Quiet operation
- Modern modular design
 - Simplify service procedures
 - Ergonomically built-in handles
 - Easily move and position
- Connectivity Options
 - USB port for data logging
- Small size and weight
- Compatible with ROVER™ Transport System
- Recirculation product line
- Filter and membrane access
 - Removable back panel
 - Machine disassembly not required
- Certified to following certifications
 - UL 61010-1
 - IEC 61010-1
 - CAN/CSA C22.2 No: 61010-1
 - IEC 61326-1

Technical Data

PRODUCT SPECIFICATIONS

Model	EON Portable RO Water Purification System
Maximum Product Flow Rate	Up to 0.4 gpm (1.5 lpm) at 77°F (25° C)
Nominal Recovery Rate	50% with user setting based on feed water quality
Dry Weight	70 lbs (31.7 kg)
Operating Voltage	115 V, 60/50Hz, 15 amps
Dimensions	Width - 8.5" (21.6 cm) Depth - 22.5" (57 cm) Height - 24" (61 cm)

OPERATIONAL PARAMETERS

pH	Operating: 2.0-11.0	Cleaning: 1.0-12.0
Inlet Temperature	40-104°F (4-40°C)	
Inlet Pressure (Dynamic)	Minimum: 5 psi (0.34 bars)	Maximum: 120 psi (8.3 bars)
Inlet Water Flow	Minimum: 1.5 gpm (5.7 lpm)	
Total Hardness	< 10 grains (pH dependent)	
Silt Density Index (SDI)	< 5	
Total Chlorine	< 0.1 ppm	

Note: Detailed analysis of the feed water will dictate the components, if any, needed in pre-treatment of the EON Portable RO Water Purification System. This will help assure a constant supply of water, meeting AAMI Dialysis Water Quality Standards.

EON™, HEAT FORWARD™, ROVER™ and ENX™ are trademarks of Mar Cor Purification Inc. Patent Pending.

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