

Centurion Complete Heat Portable Reverse Osmosis System

Enhanced Centurion RO System Improves Workflow Efficiency

Chemical-Free Efficiency in a Compact, Space-Saving Design

The Centurion by AmeriWater is a sleek and compact portable reverse osmosis system with integrated heat disinfect features. This Reverse Osmosis (RO) System provides exceptional water purity and reliability for hemodialysis while meeting the latest ANSI/AAMI/ISO 23500:2019 standards. AmeriWater's commitment to excellence is reflected in every aspect of the Centurion, from its advanced technology to its user-friendly design, providing a superior solution for your single patient dialysis water needs.



Efficient Chemical-Free Disinfection



Safety & Performance-Oriented Solution



Compact Design

FEATURES/BENEFITS:

OPTIMIZED PERFORMANCE AND DISINFECTION

- **Efficient Disinfection:** The system's design enables chemical-free disinfection for the RO and hemodialysis machine inlet hose. Heat Draw technology supplies hot purified water to the dialysis machine's inlet hose, supporting effective disinfection.
- **Programmable Heat Draw Timer:** Automatically completing the Heat Draw cycle without user intervention allows more time to focus on clinical tasks.

SAFETY AND RELIABILITY

- **Programmable Auto-Flush:** Automatically activates RO to mitigate bacteria growth.
- **Continuous Product Water Recirculation:** Ensures consistent water quality by eliminating dead legs within the product hose.
- **Break Tank Empties on Shut Off:** Prevents spillage during transport.
- **Break Tank with Air Gap:** Protects the raw water supply.
- **Integrated Membrane Cleaning:** Semi-automated for efficient maintenance.
- **Internal Leak Detection:** Provides peace of mind.
- **.005 Ultra-Filtration Final Module:** Ensures superior microbiological specifications.

EXCEPTIONAL USER EXPERIENCE

- **Space-Saving Solution:** Compact cart footprint for easy storage, placement, and mobility. Features conveniently located chloramine sample ports for easy sampling of water.
- **Whisper Quiet Nocturnal Mode:** Single touch activation for silent operation overnight.
- **Conveniently Located Touch Screen Display:** Provides step-by-step instructions and process status, enhancing usability and visibility.
- **Data Logging and Service Reminders:** Tracks maintenance needs for timely service.
- **Upgradable Software:** Allows future enhancements via USB.
- **Removable Side Panels:** Enables quick filter and membrane replacement for superior serviceability, without the need to remove the RO system from the cart.



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SPECIFICATIONS		
Model	00MROC-2	
Performance	Product Output (max.)	.4 gpm (1.5 lpm) @ 50°F
Feed Water Parameters	Total Hardness (max.)	400 ppm as CaCO ₃
	Temperature* min/max	34/95°F
	Total Chlorine	0.1 ppm
Power Requirements	115V, 60 Hz, 1 phase, 15 amps	
RO and Cart Dimensions In. (W x D)	20 x 24	
RO and Cart Operating Weight Lbs. (Approximate)	167	

ACCESSORIES	
37-0006	AmeriClean A Powder Membrane Cleaner for Centurion, (1) 1 lb. bag
37-0007	AmeriClean B Powder Membrane Cleaner for Centurion, (1) 1 lb. bag
20-0047	Ultra filter cartridge
20-5012	Carbon block filter cartridge, 2½" x 20"
20-1011	Sediment filter cartridge, 2½" x 10"

STANDARDS:

- FDA 510K / ISO 13485 Registered Medical Device
- Entire device conforms to IEC UL standard 61010-1
- Health Canada Medical Device License 88968
- ANSI/AAMI/ISO 23500:2019 compliant

CART WITH PRETREATMENT FILTERS:

The Reverse Osmosis (RO) System (00MROC-2) is the RO only. Pretreatment is required to operate the RO to ensure it meets the current AAMI water quality standards. The cart (0090-0004) includes a sediment filter, two carbon block filters plumbed in series, pressure gauges and sample ports.

- Dimensions 20" x 24"
- Powder coated aluminum
- (1) 10" 1 micron sediment filter
- (2) 20" carbon block filters
- Sample ports (primary and secondary chloramine)
- Pressure gauges (inlet / outlet)
- Lockable casters

