

Single Patient Portable RO - MROS Series

DESCRIPTION:

The **Centurion by AmeriWater** is an optimal choice for single patient dialysis water treatment in a healthcare facility or at home. A built-in .005 micron ultra-filter enhances the microbiological quality of the water. With its cool drain technology, the RO can be used immediately after heat disinfection, which only takes 90 minutes. The system's break tank empties on shut off eliminating the potential for bacterial growth. Fresh water is used every time. A programmable auto flush will flush the RO for ten minutes every two hours. The system can be routinely operated within a hard water environment (routine membrane maintenance dependent), allowing maximum flow rates of 1500 mL/minute as standard. With its sleek, compact design and whisper quiet nocturnal mode, the Centurion is unobtrusive in the home or clinical setting.

FEATURES:

- .005 micron ultra-filter provides enhanced water quality
- Cool drain technology allows RO to be used immediately after heat disinfection
- 90 minute heat disinfection cycle
- Recirculation and heat disinfection of product water up to the point of use
- Break tank empties on shut off eliminating potential for bacterial growth
 - Fresh water is used every time
 - Auto flush for 10 minutes every two hours
- Maximum flow rates of 1500 mL/minute
- The permeate specification exceeds recognized dialysis water treatment standards
- Integrated hot water disinfection of the membrane and loop for enhanced microbiological performance
- Whisper quiet nocturnal mode with single touch activation
- State of the art, touch screen display for easy control
- Data logging
- Automatic service reminders
- Upgradable software via USB
- Semi-automated chemical cleaning program
- Internal leak detection system for peace of mind within the home environment
- Stainless steel sample port
- Audible alarm with mute facility
- Antimicrobial coated fascia
- Anti-tilt shutdown – 10 degrees, 1 second
- Color coded tubing for feed, product and concentrate water
- All hot water connections are 316L or Kynar
- Dual sided access for easy serviceability

STANDARDS:

- FDA 510K / ISO 13485 Registered Medical Device
- Entire device conforms to IEC UL standard 60601-1
- Health Canada Medical Device License 88968



Optional 20" x 24" Cart

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SPECIFICATIONS		
Performance	Product Output (max)	1500 mL/minute @ 50°F
	Microbiological	< 0.1 CFU/mL, < 0.03 EU/mL
Feed Water Parameters	Total Hardness (max)	400 ppm as CaCO ₃
	Temperature min/max	34/95°F
	Ultra filter cartridge	<0.1 ppm free Cl ₂
	Total Chlorine	1500 mg/l
	Fouling Index	<5
	Feed Water Pressure	2-6 bar (30-90 psi)*
	Feed Water Flow Rate	1-1.5 GPM
Power Requirements	115V, 60 Hz, 1 Ph, 12 amps	
Dimensions In. (W x D x H)	11 x 19 x 34	
Operating/Shipping Weight Lbs.	84 / 99	

* Set to 3 bar on commissioning.

SPECIFICATIONS		
20-0047	✓	Nephros single stage ultra-filter, .005 micron
R0124-0001	✓	21" RO membrane
37-0006		AmeriClean acid cleaner (1) one lb bag of powder
37-0007		AmeriClean base cleaner (1) one lb bag of powder
95-0006		Peracidin (2) one quart containers
0090-0004		Optional 20" x 24" cart, includes (1) 10" 1 micron sediment filter and (2) 20" carbon block filters
20-5012		Carbon block filter cartridge, 2½" x 20"
20-1011		Sediment filter cartridge, 2½" x 10"

✓ These items are included with the system.

SCREEN DURING OPERATION:

