

WRO 300 H

Water Purification System with Automated Hot Water Disinfection

510(k) Medical Device

GENERAL INFORMATION

The WRO 300 H is designed to overcome the problem of microbiological build up in portable reverse osmosis units that may have extended idle periods. By integrating an automated heat disinfection feature, the WRO 300 H is engineered and manufactured to be clean by design.

The WRO 300 H Water Purification System is designed for single hemodialysis patient operation. It satisfies the stringent demands of acute providers, while addressing the concerns of the home patient. This device meets water standards according to ANSI/AAMI 13959 with the added capability of efficiently disinfecting without the use of chemicals.

SYSTEM FEATURES

- Heat Disinfection – User initiated or automatic start of heat disinfection cycle
- Ease of Use – portable, compact and easy to operate for caregivers
- Quiet Operation – Low noise level for regular and nocturnal treatments
- Safety – Programmable auto-flushing and continuous product loop eliminates stagnation and ensures system cleanliness
- Low Maintenance – Validated, Automated Hot Water disinfection for bacteria control
- Reliability – Consistent production of quality water on demand
- Certified – Listed as certified by Intertek to Canadian and US Medical Standard (UL 60601-1)



AVAILABLE OPTIONS

We offer a complete line of components and accessories including:

- Transport Systems
- Filters, Softeners and Carbon
- Hardness and Total Chlorine Test Kits
- AAMI Water Analysis
- High and Low pH Cleaners

WRO 300 H Specifications

Part Number	W3T577585
Feed Water Supply	
Flow	0.8 gpm (3.0 l/min) required
Pressure	20 to 45 psi (0.15 to 0.3 mPa)*
Temperature	41 to 86°F (5 to 30°C)
Quality	Potable water shall be used. Softener followed by carbon/particle filter ensures optimum performance.
Product Water	
Output	Minimum 0.3 gpm (1.1 l/min) at 50°F (10°C) and 22 psi (0.15 mPa) outlet pressure
Quality	Depends on inlet water quality. If potable water is used and WRO 300 H is maintained according to the manual, the following minimum rejection rates will be obtained: Total dissolved salts > 96 % Bacteria and pyrogens > 99 %
Drain Requirements	
Operation	0.32 ± 0.03 gpm (1.2 ± 0.1 l/min)
Peak Flow (Rinse)	0.8 gpm (3.0 l/min)
Reverse Osmosis Membrane	
Material	Polyamide, thin film composite
Configuration	Spiral wound
pH-Tolerance	2-11
Disinfection & Cleaning	
Heat Disinfection	User initiated or automatic start of heat disinfection
Chemical Disinfection	Automatic dilution of disinfectant. Rinse memory forcing the rinse program to start after chemical disinfection.
Cleaning	Customized programs for different customer needs
Power Supply	
Main Voltage	115 V +/-10%, 50 or 60 Hz
Power	115V: max 1380 W

WRO 300 H Dimensions

Depth - Max	20.5 inches (520mm)	Depth - Footprint	15.0 inches (380mm)
Width - Max	8.1 inches (205mm)	Width - Footprint	7.3 inches (185mm)
Height	22.2 inches (563mm)	Weight	72.75 lbs (33kg)

*Pressure greater than 45 PSI (0.3 mPa) requires the use of a pressure regulator.



Visit mcpur.com for more information or call 1-800-633-3080

All information presented herein is believed reliable and in accordance with accepted engineering practices. Evoqua makes no warranties as to the completeness of this information. Users are responsible for evaluating individual product suitability for specific applications. Evoqua assumes no liability whatsoever for any special, indirect or consequential damages arising from the sale, resale or misuse of its products.

© 2024 Evoqua Water Technologies LLC Subject to change without notice P/N:W3T575925 Rev.1