

## WRO 300

### Portable Water Purification System

The WRO 300 water purification unit is designed to be used as a single patient unit in conjunction with a single dialysis machine. The WRO 300 is designed to meet the AAMI grade water standards according to ANSI/AAMI 13959 and is ideal for use in home or acute dialysis settings.

### Standard Features

- Portable, compact and easy to operate with a very low noise level
- Additional automated procedures and internal diagnostic minimize home patients and caregiver involvement
- Programmable automated flushing and continuous product water loop eliminate stagnation and ensures system cleanliness
- Continuous product water loop minimizes water volume requirements for purified water production
- Automated processes ensure consistency with disinfection procedures
- End-to-end disinfection with dialysis machines

### User Interface Displays

- Alarm Messages
- Feed & Product Water Conductivity
- Ionic Rejection Rate
- Product Water Temperature
- Date & Time
- Total Run Time
- Service Reminder
- Days Since Last Cleaning & Disinfection

## Medical Device



### Optional Items

Mar Cor Purification offers a complete line of components and accessories including:

- Docking Stations & Carts
- Filters, Softeners, & Carbon
- Hardness & Total Chlorine Test Kits
- AAMI Water Analysis
- High & Low pH Cleaners
- Chemical Disinfectants

# Technical Data

WRO 300 Specifications	
Part Number	107364
<b>Feed Water Supply</b>	
Input	0.8 gpm (3.0 l/min) required
Pressure In Operation	22 to 44 psi (150 to 300 kPa)*
Inlet Pressure	Max 116 psi (800 kPa)
Temperature	5 to 30°C
Quality	Potable water shall be used. Softener followed by carbon/particle filter ensures optimum performance.
<b>Product Water</b>	
Output	Minimum 0.3 gpm (1.1 l/min) at + 50°F (10°C)
Quality	Depends on inlet water quality. If potable water is used and WRO 300 is maintained according to the manual, the following minimum rejection rates will be obtained: Total dissolved salts > 96 % Bacteria and pyrogens > 99 %
<b>Drain Requirements</b>	
Peak Flow (Operation)	0.32 ± 0.03 gpm (1.2 ± 0.1 l/min)
Peak Flow (Rinse)	0.8 gpm (3.0 l/min)
<b>Reverse Osmosis Membrane</b>	
Material	Polyamide, thin film composite
Configuration	Spiral wound
pH-Tolerance	2–11
<b>Disinfection &amp; Cleaning</b>	
Cleaning	Customized programs for different customer needs
Chemical Disinfection	Automatic dilution of disinfectant. Rinse memory forcing the rinse program to start after chemical disinfection
<b>Power Supply</b>	
Main Voltage	100 V +/-10%, 60 Hz (max 570 W)
Main Socket	115 V, Hospital grade earthed, type IEC 60 083

WRO 300 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	63.9 lbs (29kg)

\* Pressure greater than 45 PSI (300 kPa) requires the use of a pressure regulator.



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