WRO 300 Water Purification System

The WRO 300 Water Purification System is designed to be used as a single patient unit in conjunction with a single dialysis machine. The WRO 300 is designed to meet 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

Optional Items
We offer 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

510(k) Medical Device
## Technical Data

### WRO 300 Specifications

<table>
<thead>
<tr>
<th>Part Number</th>
<th>107364</th>
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#### Feed Water Supply

- **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.

#### Product Water

- **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%

#### Drain Requirements

- **Peak Flow (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

- **Cleaning**: Customized programs for different customer needs
- **Chemical Disinfection**: Automatic dilution of disinfectant. Rinse memory forcing the rinse program to start after chemical disinfection

#### Power Supply

- **Main Voltage**: 100 V +/-10%, 60 Hz (max 570 W)
- **Main Socket**: 115 V, Hospital grade earthed, type IEC 60 083

#### WRO 300 Dimensions

<table>
<thead>
<tr>
<th>Depth - Max</th>
<th>20.5 inches (520mm)</th>
<th>Depth - Footprint</th>
<th>15.0 inches (380mm)</th>
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</thead>
<tbody>
<tr>
<td>Width - Max</td>
<td>8.1 inches (205mm)</td>
<td>Width - Footprint</td>
<td>7.3 inches (185mm)</td>
</tr>
<tr>
<td>Height</td>
<td>22.2 inches (563mm)</td>
<td>Weight</td>
<td>63.9 lbs (29kg)</td>
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</tbody>
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*Pressure greater than 45 PSI (300 kPa) requires the use of a pressure regulator.*