

## MEDIQA

---

### Heat Disinfect Reverse Osmosis System



- High Recovery Mode Results in 100% Recirculation
- Up to 40% Reduction in Water Usage
- Emergency Single Pass Mode Ensures Uninterrupted Service
- High Flow Model Available for Facilities with Larger Flow Requirements

## Innovative Dialysis Water Purification Design for Up to 40 Stations

The MediQA system uses proven reverse osmosis technology combined with heat disinfection to provide a unique combination of performance, reliability, and functionality. This fully integrated water purification solution, when coupled with pre-treatment and heat compatible distribution pipework, makes a complete system.

### Features

- High recovery mode uses up to 40% less water during operation and results in 100% recirculation
- Emergency single pass mode (ESPM) allows MDP systems to automatically transition to single pass operation in the event of a pump failure
- High flow model available for facilities with larger flow requirements
- Single and dual pass membrane configurations provide maximum flexibility in water quality
- Automated heat disinfection of RO membranes
  - Provides system efficiency and labor savings
  - Ensures that any potential for bacterial growth on membrane surfaces is minimized
- Full color touch screen display with comprehensive menu navigation, including full schematics
- Advanced data logging technology with password protection
  - Information available via an integrated touch screen display or download to Excel
  - Stored data includes active status indicators, alarm conditions and performance logs
- 8" TFC heat disinfectable membranes in FRP vessels for durability
- Powder coated aluminum skid mounted package on castors for maximum maneuverability

### Standards

- Entire device conforms to IEC UL standard 61010-1
- FDA 510K / ISO 13485 Registered Medical Device
- ANSI/AAMI 13959 and 26722 compliant
- Health Canada Medical Device License 90626

SPECIFICATIONS					
<b>Feed Water</b>			<b>- Temperature</b>	55 - 90°F	
- Total Dissolved Solids	< 1000 ppm		- Fluoride	< 1.2 ppm "High Recovery Mode"	
- Chlorine	< 0.1 ppm		<b>Membranes</b>	TFC Heat Disinfectable	
- Hardness	< 4 ppm at CaCO <sub>3</sub>		<b>Water Recovery</b>	50 - 75%	
- Fouling Index (SDI)	< 5		<b>Salts Rejection</b>	>94%	
- Pressure (PSI)	30 - 80		<b>pH Tolerance</b>	6 - 8	
	SINGLE PASS			DUAL PASS	
<b>Model</b>	<b>00MSP2-230</b>	<b>00MSP3-230</b>	<b>00MSP3HF-230</b>	<b>00MDP2-230</b>	<b>00MDP4-230</b>
Gallons/Day* (up to)	12,960	17,280	23,040	7,920	14,400
Gallons/Minute* (up to)	9	12	16	5.5	10
Number of Membranes	2	3	3	3	5
Minimum Feed Flow (GPM)	26	29	30	29	30
Power	208/230V, 60 Hz, 3 phase with dedicated neutral and ground				
Max. Current Draw (Amps)	44	44	44	44	59
Shipping Weight Lbs.**	1,050	1,100	1,120	1,370	1,970
Operation Weight Lbs.	1,310	1,375	1,395	1,660	2,285
Dimensions In. (WxDxH)	40 x 63 x 74				40 x 75 x 74

\* Permeate flow rate at 77°F. Variations in feed water temperature can affect output by up to ±3% per degree Fahrenheit. Based on 1,000 microsiemens water or less. This sheet is not to be used for sizing purposes. Contact an AmeriWater representative and provide a loop design to properly size the system.  
 \*\* Uncrated weight.