

MILLENIUM HX[®]

Smart Quality by **DTB**

Portable Water Purification
System with Automatic
Hot Water Disinfection

DESARROLLO EN TECNOLOGÍA BIOMÉDICA, OFFERS THE NEXT GENERATION OF THE PORTABLE UNIT RO, THE MILLENIUM HX. AUTOMATIC AND COMPACT, REPRESENTS A QUALITATIVE IMPROVE IN THE PRODUCTION RELIABLE OF THE WATER, WITH THE ADDED CHARACTERISTIC OF DISINFECTION BY AUTOMATIC HOT WATER.

The Millennium HX is designed to meet AAMI grade water standards according to ANSO/AAMI 13959 and is ideal for use in home and acute dialysis settings. The automated heat disinfect process allows for greater bacteria control, reducing the need for chemicals, which leads to increased peace of mind and less downtime.

Standard Features & Benefits

- Color touch screen LCD display and control panel offers display of operational functions & key parameters.
- Quiet operation.
- Modular design for easy service procedures including ergonomically built-in-handles for placement or positioning.
- Data logging of important events along with password protected set-point & interactive troubleshooting screens.
- Improves membrane life with a low PSI shutdown.
- Immediate heat or chemical mode plus programmable, reoccurring heat disinfection.
- Temperature compensation feature automatically adjusts flow.
- Improved membrane access allows removal from rear without machine disassembly.
- Environmentally & economically friendly design requires less power to operate.
- Certified to UL 61010-1, IEC 60601-1-2, & CAN/CSA C22.2 No: 61010-1.

MEDICAL DEVICE



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OPTIONAL ITEMS

DTB offers a complete line of components and accessories, including:

- Pretreatment Cart
- Water Softener
- Hardness & Total Chlorine Test Kits
- Carbon Tanks
- AAMI Water Analysis
- High & Low pH Cleaners.

Technical Information

Product Specifications	Millenium HX Reverse Osmosis System	
Model	MHX	
Part Number	DTB975 - 115 V, 50/60 Hz, 6 A	DTB790 - 230 V, 50/60 Hz, 3 A
Nominal Product Flow Rate at 77°F (25°C)	1970 ml/min 31.2 gallons/hr (118 liters/hr)	
Machine Recovery Rate	50% (maximum)	
Dry Weight	70 lbs. (32 kg)	
Power Range	115/230 V, 60/50Hz, 6/3 amps	
Dimensions Vertical (of Assembled Unit)	Wide - 8.5" (21.6 cm) Depth - 23.5" (60 cm) Height - 25.5" (65 cm)	
<p>Note: Initial product flow rate based on membrane manufacturer's specifications of pretreated feed water, 100 psi (14 bars) applied pressure, 77°F (25°C) incoming water temperature, 2,000 ppm (mg/L) NaCl, 15% recovery and 1 psi product pressure. Membrane flux may vary ± 10%. For MHX-750, 200 psi (14 bars) applied pressure, 2,000 ppm (mg/L) NaCl, and 15% recovery.</p>		

Operational Parameters	Millenium HX Reverse Osmosis System	
pH	Operating: 5.5-10.5	Cleaning: 2-11
pH with Chloramines	Operating: 5.5-8.5	Cleaning: 2-11
Temperature	45-90 °F (1.7-32 °C)	
<p>Water production decreases approximately 1.5% per 1°F (3% per 1°C) incoming water temperature drop.</p>		
Inlet Pressure (Dynamic)	Minimum: 30 psi (2 bars)	Maximum: 75 psi (5.17 bars)
Inlet Water Flow	Minimum: 2 gpm (7.6 L/m)	
Total Hardness	10 grains (pH dependent)	
Silt Density Index (SDI)	<5	
<p>Note: Detailed analysis of the feed water will dictate the components, if any, needed in pre- or post-treatment of the Millenium HX RO unit. This will help assure a constant supply of water, meeting AAMI Dialysis Water Quality Standards.</p>		

ORDERING INFORMATION

Part Number	Description	Packaging
DTB975	Millenium HX Reverse Osmosis System 115 V, 50/60 Hz, 6 A	1 System per box
DTB790	Millenium HX Reverse Osmosis System 230 V, 50/60 Hz, 3 A	1 System per box