



REVERSE OSMOSIS SYSTEMS FOR CENTRAL DIALYSIS - MROX SERIES

DESCRIPTION:

This compact size cabinet RO is perfect for central dialysis water treatment systems up to 30 stations. Combine two systems for up to double the capacity. AmeriWater's unique textured cabinet design provides superior durability. With the pump and membranes located inside, the system is so quiet you won't even know it's running. When it's time for maintenance, the hinged doors on the front and rear of the cabinet allow quick and easy access.

FEATURES:

- 4" x 40" Thin Film Composite membranes in stainless steel housings provide superior contaminant rejection and product flow. Quick connect product manifold provides for easy membrane profiling.
- Disinfection is quick and easy. With a simple push of the keypad, the MROX can be disinfected with PAA in only one hour.
- High efficiency quiet pump with integral motor starter and motor protection keeps this system running smoothly and protects the motor from overload.
- Microprocessor Controller keeps you informed of operating conditions with backlit LCD displaying product and feed water conductivity, product water temperature, operating hours, percent rejection, and a variety of operating status messages. Programmable flush keeps RO fresh between uses.
- Product divert feature diverts water to the drain when the conductivity exceeds the set point for added patient safety.
- Tank override feature allows the RO to be turned on even if the storage tank is full so the required 15 minute RO run time before sampling can be done.

STANDARDS:

- Entire device conforms to IEC UL standard 61010-1
- FDA 510K / ISO 13485 Registered Medical Device
- Health Canada Medical Device License 72732



SPECIFICATIONS					
Model		MRO2X	MRO3X	MRO4X	MRO5X
# Membranes		2	3	4	5
Performance	Projected Rejection	>96%			
	Production GPD*	4,320	5,544	7,401	9,244
	Production LPD*	16,654	24,981	33,308	34,822
	Recovery Rate (Adjustable)	50-70%			
Electrical (requires 2 supplies)	Pump (Specify voltage)	1Φ: 220V, 9.9 amps 3Φ: 208V, 7.5 amps / 230V, 6.5 amps / 460V, 3.3 amps			3Φ: 208V, 12 amps / 230V, 10.1 amps
	Pump HP	2			3
	Controller	115V, 20 amps			
Membranes	Size In.	4 x 40 FRP			
	Type	TFC			
	Housings	Stainless Steel			
Feed Requirements	Max Free Chlorine	<0.1			
	Temp. Range	41°F-90°F, Ideal 77°F			
	Operating pH Range	6-9			
	Pre-Filtration Required	1 Micron			
	Pressure Feed PSIG	20-90			
	Max. Fouling Index SDI	<3			
Connections In. (in/out/drain)		¾ / ¾ / ¾			
Dimensions In. (W x D x H)		26 x 25½ x 59			
Weight (Operating / Shipping)		259 / 369	295 / 405	331 / 441	367 / 477

* Product rates vary with temperature. All models are rated at 77°F with feed water of 1500 mg/l of NaCl @ 50 PSI feed and pH of 7.5. Distribution loop sizes may limit number of stations on direct feed systems only.