



DIALYSIS MROZ SERIES REVERSE OSMOSIS

**DIALYSIS
PROCESS
WATER**



**Perfect Combination of Cabinet &
Open Frame RO Design**

⊕ FEATURES

- Corrosion resistant, epoxy coated open frame design provides superior serviceability
- Quick connect product manifold enables fast and efficient membrane replacement
- Thin film composite low energy membranes provide maximum contaminant rejection while achieving high product flow
- Easy PAA disinfection





PERFECT COMBINATION OF CABINET AND OPEN FRAME RO DESIGN

The MROZ is the best of both; an open frame RO and a cabinet RO. The pump and membranes are mounted on a corrosion resistant, epoxy coated open frame providing superior serviceability. The controls and hydraulic hardware are mounted in a waist high cabinet with full size door for easy access. The MROZ will supply up to 40 dialysis stations*.

FEATURES

- 4" x 40" thin film composite low energy membranes provide maximum contaminant rejection while achieving high product flow
- High pressure stainless steel membrane housings with quick connect product manifold enables fast and efficient membrane replacement
- Disinfection is quick and easy with a simple push of the keypad, the MROZ can be disinfected with PAA and rinsed in 2 hours
- High efficiency quiet submersible pump with integral motor starter and motor protection keeps system running smoothly and protects the motor from overload
- Microprocessor controller with backlit LCD display shows product and feed water conductivity, product water temperature, operating hours, percent rejection, and a variety of operating status messages
- Programmable flush for either storage tank or direct feed keeps RO fresh between uses
- Product divert feature diverts water to the drain when the conductivity exceeds the set point for added patient safety
- Entire device conforms to IEC UL standard 61010-1
- FDA 510K / ISO 13485 Registered Medical Device
- Health Canada Medical Device License 92268

SPECIFICATIONS							
Model		MRO3Z	MRO4Z	MRO5Z	MRO6Z	MRO7Z	MRO8Z
Performance	Projected Rejection	>96%					
	Production GPD Storage Tank*	7,500	10,000	12,500	15,000	17,500	20,000
	Production GPD Direct Feed**	6,470	8,706	10,882	13,059	15,294	17,412
Electrical (requires 2 supplies)	Pump 3 Φ (Specify voltage)	208V 5.5 amps, 230V 4.7 amps, 460V 2.5 amps	208V 8.8 amps, 230V 7.6 amps, 460V 3.8 amps			208V 12 amps, 230V 10.1 amps, 460V 5.3 amps	
		For 1 Φ a phase converter must be purchased					
	Pump HP	1	2			3	
	Controller	120V, 15 amps, 1 Φ					
Membranes	Size In.	4 x 40 FRP					
	Type	LE TFC					
	Housings	Stainless Steel					
	Quantity	3	4	5	6	7	8
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	50 - 90					
	Max. Fouling Index SDI	<3					
Connections In. (in/out/drain)		1 / ¾ / 1					
Dimensions In. (W x D x H)		24 x 34 x 64			24 x 50 x 74		
Weight (Operating / Shipping)		403 / 643	439 / 679	475 / 715	525 / 765	575 / 815	625 / 865

* Number of stations based on 800 mL treatments, bicarb and acid mixing and no reuse.

** Test conditions: 2,000 ppm NaCl, 77°F, 15% permeate recovery and 150 psi.

*** With a 40 psi loop back pressure.

CONTACTS

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