



RIO™ M Series Specifications

The RIO M Series produces mixed-oxidant solution for water disinfection. The electrolytic cell, power supply, and system controls are fully enclosed in a high density polyethylene (HDPE) cabinet with an aluminum frame. Capacity within a cabinet can be expanded 5X without increasing the footprint. The unit operates with Allen Bradley MicroLogix 1200 controls.

	RIO M1	RIO M2	RIO M3	RIO M4	RIO M5
Rated FAC Capacity*	60 lbs/day 27 kg/day	120 lbs/day 54 kg/day	180 lbs/day 82 kg/day	240 lbs/day 109 kg/day	300 lbs/day 136 kg/day
Water Treatment Capacity (at 1 ppm FAC)	7.2 MGD 27,250 m ³ /day	14.4 MGD 54,500 m ³ /day	21.6 MGD 81,760 m ³ /day	28.8 MGD 109,020 m ³ /day	36 MGD 136,275 m ³ /day
Salt Conversion (SCE)	2.5 lb salt / lb FAC (2.5 kg salt / kg FAC)				
Energy Conversion (ECE)	3.5 kW-hr / lb FAC (7.7 kW-hr / kg FAC)				
Water Conversion	30.0 gal water / lb FAC (250.0 L water / kg FAC)				
FAC Concentration*	4,500 mg/L ± 1,000				
Flow Rate	75 gph 284 lph	150 gph 568 lph	225 gph 852 lph	300 gph 1136 lph	375 gph 1420 lph
Electrical Service per	480 VAC, 3 ph, 100A				
Nominal Energy to Unit	13 A 11 KVA	26 A 22 KVA	39 A 33 KVA	52 A 44 KVA	65 A 55 KVA
Frequency	50 / 60 hertz				
Amps to Cell (± 15%)	200 A	400 A	600 A	800 A	1000 A
Air Temp. Required	45° to 115°F (7° to 46°C)				45° to 105°F (7° to 40°C)
External Vent Makeup Air	350 cfm (10 cmm)				
Internal Vent Energy Added	2.8 kW	5.6 kW	8.4 kW	11.2 kW	14 kW
Feed Water Temp. Required	50° to 80°F (10° to 26°C)				
Feed Water Pressure	60 to 100 psi (414 to 689 kpa)				
Dimensions (WxDxH)	61.9 x 42.6 x 86.1 inches (157.2 x 108.2 x 218.7 cm) per cabinet				
Shipping Size (WxDxH)	72 x 60 x 85 inches (182.8 x 152.4 x 215.9 cm) per cabinet				
Shipping Weight	1,650 lbs 743 kg	1,750 lbs 788 kg	1,850 lbs 833 kg	1,950 lbs 878 kg	2,050 lbs 923 kg

* Production may vary depending on salt and water quality.

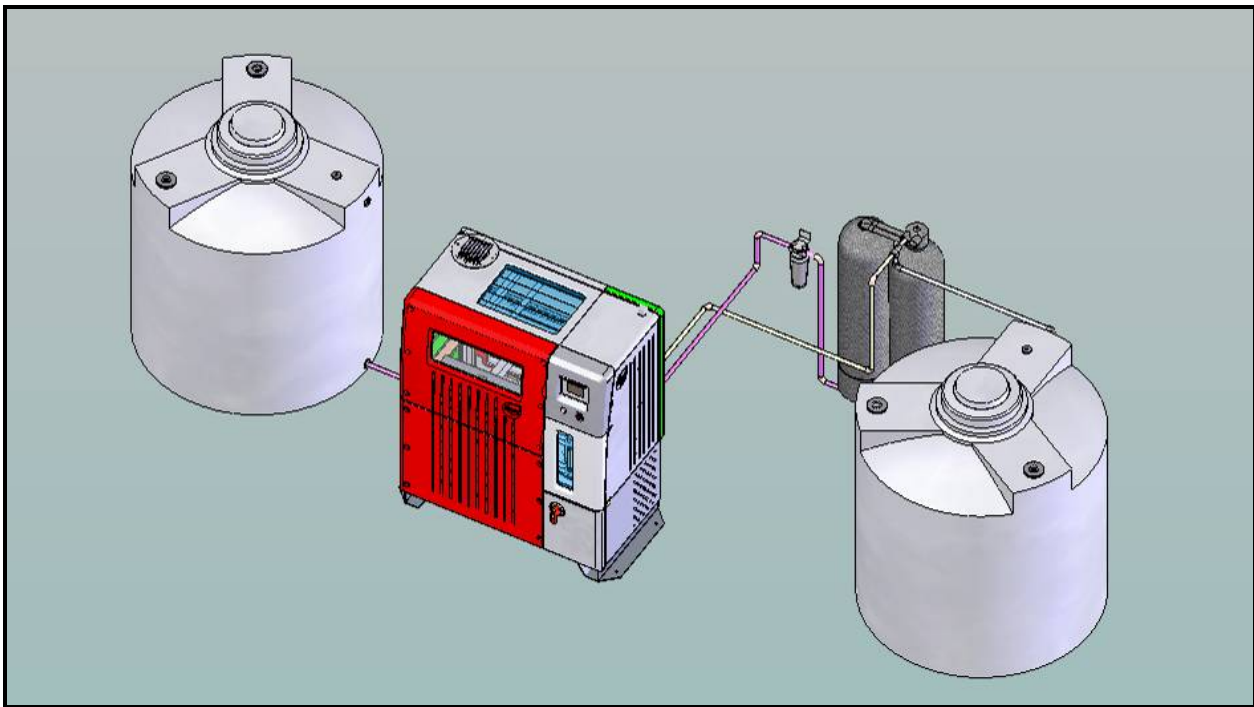
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The **SAFEST WATER** In The World



RIO M System



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