



RIO™ H Series Specification

The RIO H Series produces hypochlorite 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 H1	RIO H2	RIO H3	RIO H4	RIO H5
Rated FAC Capacity*	100 lbs/day 45 kg/day	200 lbs/day 90 kg/day	300 lbs/day 136 kg/day	400 lbs/day 181 kg/day	500 lbs/day 227 kg/day
Water Treatment Capacity (at 1 ppm FAC)	12 MGD 45,425 m ³ /day	24 MGD 90,850 m ³ /day	36 MGD 136,275 m ³ /day	48 MGD 181,700 m ³ /day	60 MGD 227,125 m ³ /day
Salt Conversion (SCE)	3.0 lb salt / lb FAC (3.0 kg salt / kg FAC)				
Energy Conversion (ECE)	2.0 kW-hr / lb FAC (4.4 kW-hr / kg FAC)				
Water Conversion	15.0 gal water / lb FAC (125.0 L water / kg FAC)				
FAC Concentration*	8,000 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%)	225 A	450 A	675 A	900 A	1125 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.

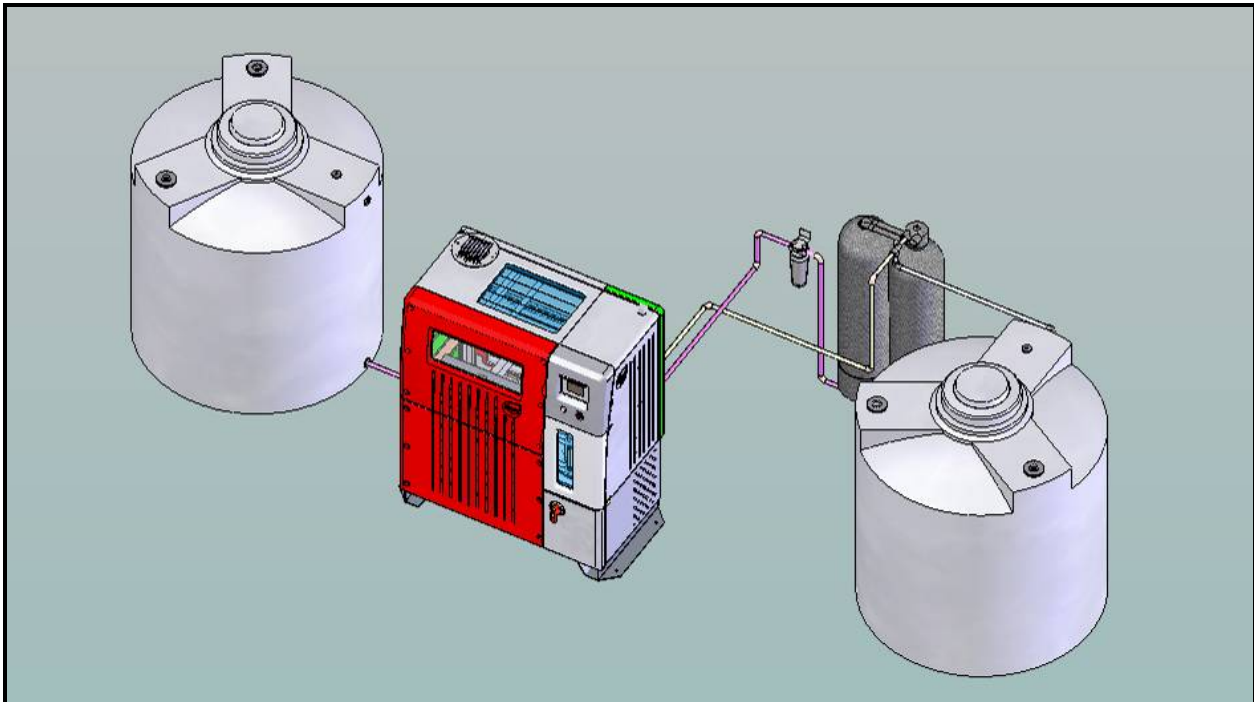
Note: This electronic document is controlled. Once this document is printed it becomes uncontrolled and obsolete. Refer only to electronic document for the latest information.



The **SAFEST WATER** In The World



RIO H System



Note: This electronic document is controlled. Once this document is printed it becomes uncontrolled and obsolete. Refer only to electronic document for the latest information.