



RIO-S HYPO Specifications

The RIO-S H Series produces sodium hypochlorite (HYPO) for water disinfection and is systematically optimized for ease of use, reliability, and performance. The RIO-S is modular which means HYPO disinfection chemistry output can be easily expanded 4X without increasing the footprint. Leading the industry in salt and energy conversion with a transformer-less design, the RIO-S can ensure the lowest life-cycle cost for your facility. The unit operates with Allen Bradley MicroLogix 1400 controls and is equipped with self-adjusting flow control.

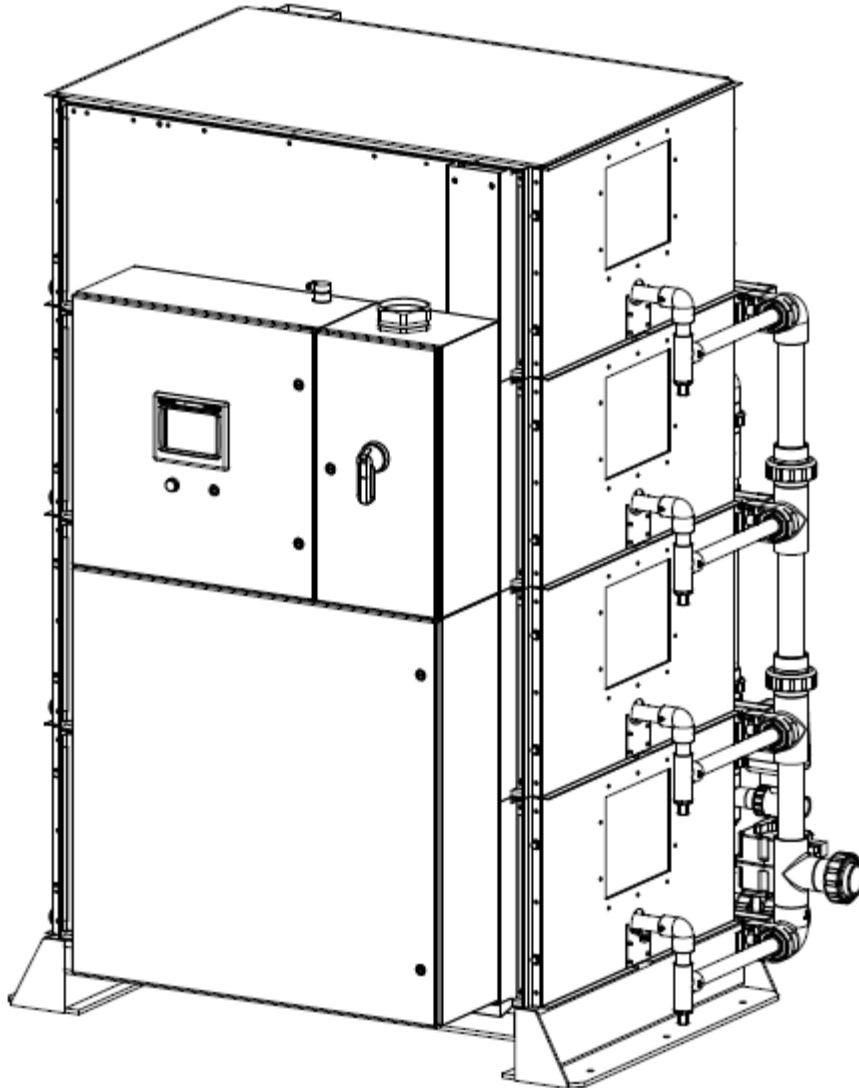
	RIO-S H500	RIO-S H1000	RIO-S H1500	RIO-S H2000
Rated FAC Capacity	500 lbs/day 227 kg/day	1000 lbs/day 454 kg/day	1500 lbs/day 680 kg/day	2000 lbs/day 907 kg/day
Salt Conversion (SCE)*	3.0 lb salt/lb FAC 3.0 kg salt/kg FAC			
Energy Conversion (ECE)*	1.9 kW-hr/lb FAC 4.2 kW-hr/kg FAC			
FAC Concentration*	8,000 mg/L (+/- 1,000)			
Flow Rate^	380 gph 1438 lph	760 gph 2877 lph	1140 gph 4315 lph	1520 gph 5754 lph
Nominal Energy to Unit	65 A, 54 KVA	130 A, 108 KVA	195 A, 162 KVA	260 A, 216 KVA
Electrical Service Requirement (OSG Only)	480VAC, 3 ph 100A, 50/60 Hz	480VAC, 3 ph 200A, 50/60 Hz	480VAC, 3 ph 300A, 50/60 Hz	480VAC, 3 ph 400A, 50/60 Hz
Air Temp. Required	45° to 110° F 7° to 43° C			
Recommended Feed Water Temperature*	55° to 80° F 12° to 27° C			
Allowable Feed Water Temperature*	40° to 95° F 5° to 35° C			
Feed Water Pressure	50 to 100 psi 345 to 689 kPa			60 to 100 psi 414 to 689 kPa
Water Hardness	0 – 17 mg/L (1 grain/gallon)			
Maximum Silica Limit	20 mg/L			
Energy Add for Internal Vent	0.5 kW	1 kW	1.5 kW	2 kW
Approximate Dimensions (WxDxH)	66 x 57 x 81 inches (168 x 145 x 206 cm)			

*Performance may vary depending on salt quality, water quality, water temperature and supply AC voltage.
^Feed water flow rate is subject to +/- 15% variation.

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RIO-S Drawing (2000 lbs Configuration)



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