



## 400V 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 H400	RIO-S H800	RIO-S H1200	RIO-S H1600
Rated FAC Capacity	400 lbs/day 181.5 kg/day	800 lbs/day 363 kg/day	1200 lbs/day 544.5 kg/day	1600 lbs/day 726 kg/day
Salt Conversion (SCE)*	3.0 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^	304 gph 1150 lph	608 gph 2300 lph	912 gph 3450 lph	1216 gph 4600 lph
Nominal Energy to Unit	65 A, 45 KVA	130 A, 90 KVA	195 A, 135 KVA	260 A, 180 KVA
Electrical Service Requirement (OSG Only)	400VAC, 3 ph 100A, 50/60 Hz	400VAC, 3 ph 200A, 50/60 Hz	400VAC, 3 ph 300A, 50/60 Hz	400VAC, 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)			

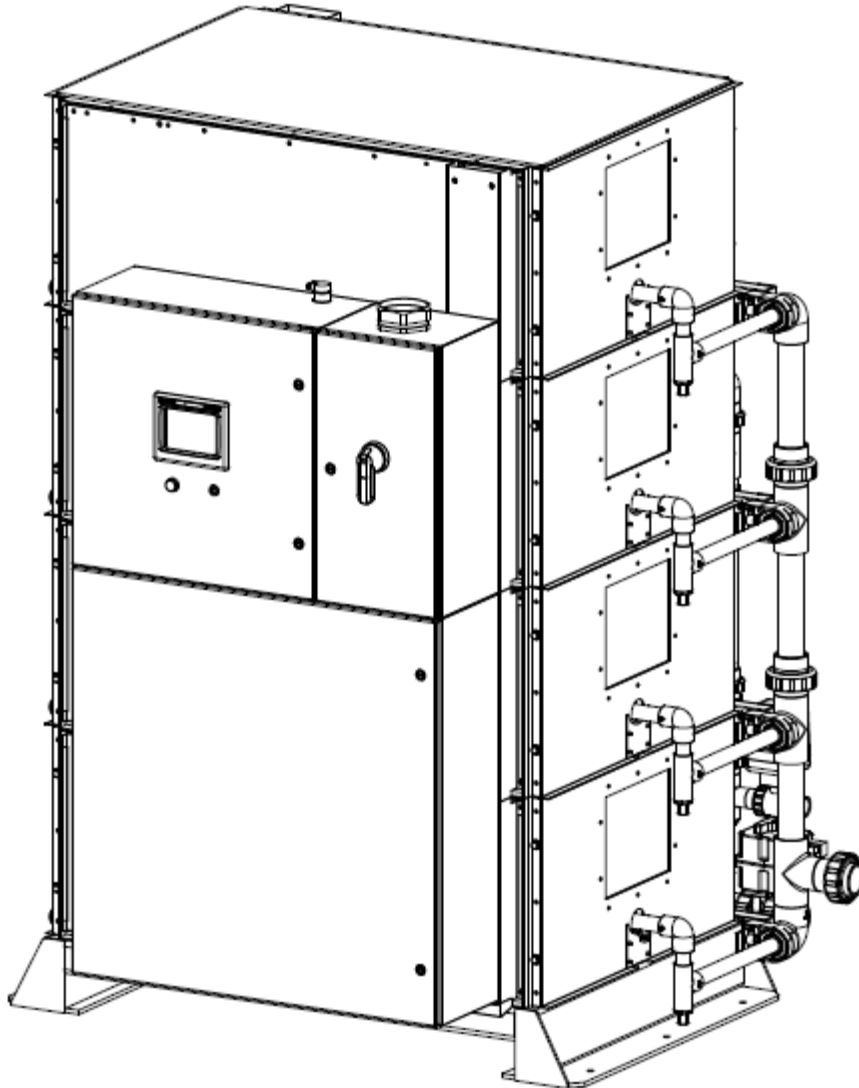
\*Performance may vary depending on salt quality, water quality, water temperature and supply AC voltage.

^Feed water flow rate is subject to +/- 15% variation.

**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.**



## RIO-S Drawing (1600 lbs Configuration)



**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.**

