MIOX The SAFEST WATER In The World

RIO GRANDE™ Series Specifications

The RIO Grande™ on-site generator offers large capacity treatment of water, wastewater, and industrial treatment applications for flows of 50 MGD (200,000m3) and higher. Superior cell design offers better salt and power efficiencies, reduced maintenance, and maximum flexibility. The electrolytic cell, power supply, and system controls are fully enclosed in a metal frame and the unit operates with Allen Bradley controls. Switching from a hypochlorite generator to a mixed oxidant generator is easy by simply changing out the cells, offering the user the ability to optimize water chemistry at a minimal cost.

	Mixed Oxidant	Hypochlorite
Rated FAC Capacity	1,000 lbs/day	1,550 lbs/day
Rated FAC*	4,500+/- 1,000 mg/L	8,000 +/- 1,000 mg/L
System Design Flow Rate	1,200 gph	
Salt Conversion *	3.0 lbs/ lb FAC	3.0 lbs/ lb FAC
Energy Conversion *	3.0 kW hr/ lb FAC	2.0 kW hr/ lb FAC
Nominal Energy to Unit	160 KVA	170 KVA
Electrical Service	480 VAC, 3 ph, 400 A, 50/60 hertz	
Approximate Amps to Cell (+/- 15%)	1,600 A	1,800 A
Air Temp. Required	45° F - 110° F	
Feed Water Temperature Required	55° F – 80° F	
Feed Water Pressure Required	> 60 < 100 psi	
Approximate Dimensions	92.4”W x 41.5”D x 79.2H”	
If cooling air vented external to building, make up air required	2,400 cfm	
If cooling air vented internal to building, energy added to room to be handled by HVAC system at 100% duty	25.0 kW	
Approx Shipping Weight	4,350 lbs	4,600 lbs

** Performance may vary depending on salt quality, water quality, and temperature.*

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Last Edited: 11 November 2010

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