



MIOX® RIO™ Design Benefits

Superior Safety

- MIOX electrolytic cell is enclosed in HDPE cabinet for maximum safety.
- MIOX has the only hydrogen safety system endorsed by Hydrogen Safety, LLC.
- Simple, non-mechanical hydrogen mitigation system eliminates the need for dilution blowers and the maintenance associated with them.

Advanced Technology

- **Industry-leading salt and energy conversion efficiencies** ensure the lowest life-cycle cost for your facility.
- Internal cleaning loop is user-activated from the control panel. An extra cleaning skid is not required, making cleaning simple, fast and effective.
- Air-cooled power supply allows hotter feed water to the cell without impact on chlorine production or efficiencies, reducing or eliminating chiller requirements and associated need for pressure boost pump on chiller outlet. Ensures long life of the power supply.
- Highly efficient cell design including low current density for maximum coating life and optimized internal geometry to minimize susceptibility for contaminant clogging.



Quality Construction

- Since on-site generators often operate in a humid environment that can be corrosive to even high quality materials, the RIO frame is constructed of powder-coated aluminum with roto-molded HDPE generator panels for a true corrosion-resistant design. Units are easy to keep clean and new-looking for years to come.

Easy, Convenient Installation and Operation

- The RIO offers the smallest footprint in the industry. Up to 500 ppd FAC at 62" W x 29" D x 69" H.
- Key components are integrated into the generator including cell, transformer/rectifier, flow control components, circuit breaker and controller with Allen-Bradley MicroLogix 1200 touch screen interface.
- With only three "water" connections - dilution water, brine and oxidant out - interconnecting piping is simple
- Many alarm and communications inputs and outputs are pre-wired to the back of the unit, making installation and integration of plant controls quick and easy.
- Variable speed brine pumps require no calibration.
- Compact, integrated design ensures **lowest cost of installation**.

Expandability

- Easily convert between sodium hypochlorite and advanced mixed oxidant with simple internal changes.
- Modular cell packs allow for expansion of chlorine capacity without increasing equipment footprint:
 - Hypochlorite modules in ~100 lb increments up to 500 lbs total
 - Mixed Oxidant modules in ~60 lb increments up to 360 lbs total

Peace of Mind

- Industry's first full 5-year warranty on the electrolytic cell with no proration.



888-416-8626



info@legcs.com



calculate needs

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