

NEW!

Klorigen™ M-Series ***Small Scale On-Site Electrochemical Chlorine Systems***

The **Klorigen™** M-Series Chlorine Generators are small scale electrochemical systems specifically intended for on-site remote applications and are designed to safely and cost effectively produce chlorine gas and sodium hydroxide using a food grade salt feedstock. These systems can be configured to produce high purity (i.e. up to 12.5%) commercial-strength bleach. Generating capacities range from less than 30 to more than 200 lbs per day of chlorine.

The Klorigen™ M-Series systems eliminate the hazards typically associated with the use of pressurized chlorine gas and bulk supplied commercial sodium hypochlorite. The M-Series are ideal for industries and municipalities that are currently using or need a form of chlorine for disinfection, sterilization or bleaching.

Features & Benefits:

- Replaces pressurized chlorine gas to eliminate the potential for toxic gas release
- Membrane-grade Sodium Hydroxide is produced as a co-product
- On-demand Cl₂ or Sodium Hypochlorite solution – scalable from 10% to 100% of capacity
- Single-pass brine feed system using food-grade salt or maximum efficiency
- PLC Control System easily adaptable to SCADA Systems for remote monitoring & control
- System utilizes NSF certified components
- Hydrogen co-product safely diluted below LEL
- Multi-year Warranty and Maintenance Contracts available

General System Performance:

- Power Consumption: Less than 2.5 DC KWh per lb equivalent Cl₂
- Salt Consumption: 2.2 to 2.4 lb. NaCl per lb equivalent Cl₂
- Electrochemical Efficiency: 75% to 85%
- Sodium Hydroxide (NaOH) Co-Product: 5% to 15 wt% (user selectable)
- Sodium Hypochlorite (NaOCl) Product: 5% to 13% (user selectable)

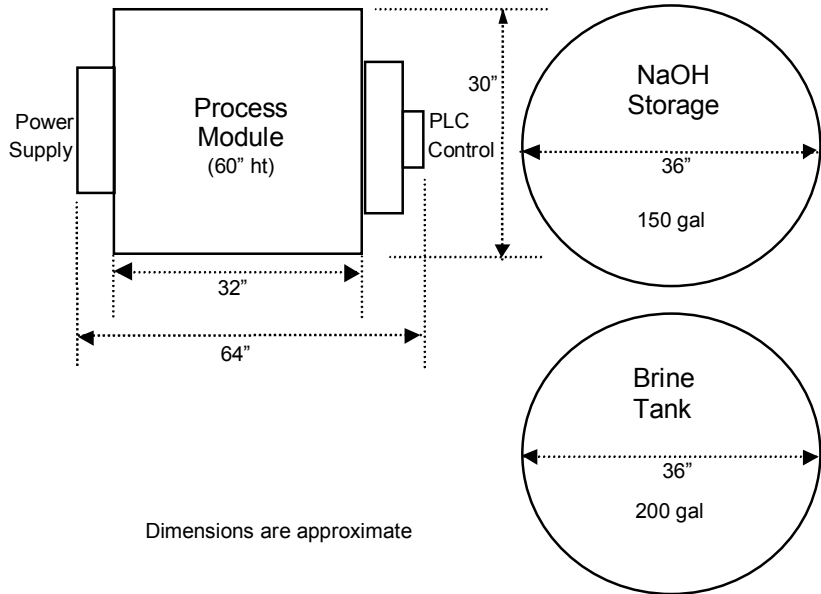
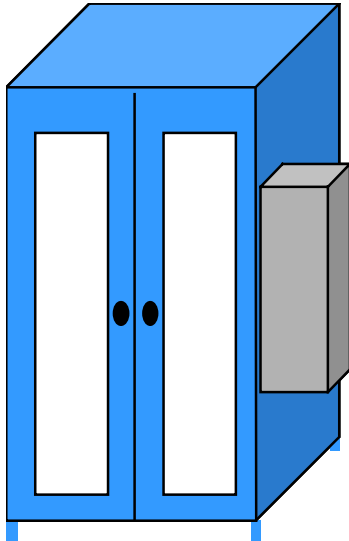
Utility Requirements:

- Motive water: 20 - 40 GPM (60 psig for eductor-based chlorine applications)
- 220 VAC or 460 VAC electric power (depending on Cl₂ output capacity)
- Potable water supply





Klorigen™ M-70 70 lb/day Cl₂ System



Klorigen™ M-200 200 lb/day NaOCl System

