**SYSTEM GENERATORS**

**SEMI-AUTOMATIC "SMI" SERIES**

**FEATURES**
- Automatic start and stop
- Process current stabilization
- Integrated float level switches
- Integrated cell flushing system
- Possibility to regulate pH - Factory Set at pH Neutral
- Produces Anolyte and Catholyte
- Catholyte is 10 x more concentrated
- Provides stabilized pH | "Conical Cell Technology"
- Low salt consumption uses 2.5 gpl
- Low power consumption ~ Less cost to operate

The Kirkmayer® Semi-Automatic SMI Series system generators are designed for production of an activated solution - Neutral Anolyte. Easy operating procedures give the added benefit to rapid delivery of safe and fast acting disinfectant-Anolyte.

** STOCK SYSTEM GENERATORS**

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<th>SMI 300</th>
<th>SMI 400</th>
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<tr>
<td>Flow Rate</td>
<td>50 LPH</td>
<td>105 LPH</td>
<td>205 LPH</td>
<td>305 LPH</td>
<td>405 LPH</td>
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**SYSTEM GENERATOR OPTIONS**
- Anode Double Coating - 3 Year Cell Warranty
- Custom Sizes are Available - Please Inquire
Fully-Automatic "AMI" Series

Features

- Touch screen multicolor PLC
- Automatic start and stop
- Process current stabilization
- Integrated float level switches
- Integrated cell flushing system
- Standard automatic pH settings 5~9 pH
- Standard automatic ppm settings 100~500 ppm
- Produces Anolyte and Catholyte
- Catholyte is 10 x more concentrated
- Provides stabilized pH | "Conical Cell Technology"
- Low salt consumption uses 2.5 gpl
- Low power consumption ~ Less cost to operate

The Kirkmayer® Fully-Automatic AMI Series system generators provides the ultimate in system controls with just a touch of the PLC screen. No manual settings required. These systems are designed for fully-automatic production of an activated solution - Anolyte in a variety of pH and ppm settings as well as producing Catholyte. Easy operating procedures give the added benefit to rapid delivery of safe and fast acting disinfectant-Anolyte.

Stock System Generators

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System Generator Options

- Anode Double Coating - 3 Year Cell Warranty
- Remote Internet Connection
- Full range automatic pH Adjustment 2, 5-9
- Fully Automatic Cell Flushing
- pH Sensor for Accurate Adjustment
- 7" Multicolor Touch PLC Screen
- I phone | Android Remote App (No Up-Charge)
- Custom Sizes are Available - Please Inquire

Industrial Programmable Logic Controllers (PLCs) featuring Touch Screen Technology
**Fully-Automatic "CIP" Series**

**Features**
- Touch screen multicolor PLC
- Automatic start and stop
- Process current stabilization
- Integrated float level switches | Integrated cell flushing system
- Standard automatic pH settings 5~9 pH
- Standard automatic ppm settings 100~500 ppm
- Produces Anolyte and Catholyte
- Catholyte is 10 x more concentrated
- Provides stabilized pH | "Conical Cell Technology"
- Low salt consumption uses 2.5 gpl
- Low power consumption ~ Less cost to operate
- CIP Anolyte|Catholyte - Ability to operate
  - Independant generation
  - Simultaneoulsy generation

The Kirkmayer® CIP-Automatic Series system generators provide the ultimate in system controls with just a touch of the PLC screen. No manual settings required. These systems are designed for fully-automatic production of Anolyte activated solution in a variety of pH and ppm settings as well as the production of Catholyte. Solutions can be automatically set for simultaneous or independent generation.

**Stock System Generators**

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<th>FA 40 CIP</th>
<th>FA 70 CIP</th>
<th>FA 100 CIP</th>
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<tr>
<td>Anolyte</td>
<td>50 LPH Anolyte</td>
<td>80 LPH Anolyte</td>
<td>120 LPH Anolyte</td>
</tr>
<tr>
<td>Catholyte</td>
<td>40 LPH Catholyte</td>
<td>70 LPH Catholyte</td>
<td>100 LPH Catholyte</td>
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</tbody>
</table>

**System Generator Options**
- Anode Double Coating - 3 Year Cell Warranty
- Remote Internet Connection
- Full range automatic pH Adjustment 2, 5-9
- Fully Automatic Cell Flushing
- pH Sensor for Accurate Adjustment
- 7" Multicolor Touch PLC Screen
- iPhone | Android Remote App (No Up-Charge)
- Custom Sizes are Available - Please Inquire

**Vision 570**
Industrial Programmable Logic Controllers (PLCs) featuring Touch Screen Technology
When higher concentrations of FAC chlorine in Anolyte is required for certain markets such as municipal water treatment applications, industrial applications, food processing applications, or use within the beverage industry or simply where there is a need to be more cost effective through dosing to lower concentrations is an obvious benefit.

**Features**

- High Concentration Anolyte with automatic pre-set settings 1000~8000 ppm
- Touch screen multicolor PLC
- Automatic start and stop | Process current stabilization
- Integrated float level switches | Integrated cell flushing system
- Full range automatic pH settings 2, 5~9 pH
- Proces high concentrations of Anolyte activated solution
- Provides stabilized pH | "Conical Cell Technology"
- Low salt consumption uses 2.5 gpl
- Low power consumption ~ Less cost to operate

**Design and Build**

Our ability to design and custom build a system to meet or exceed your needs will be only limited to your imagination.

The Kirkmayer® HC-Automatic Series are tailor made to client specific needs and requirements. All our HC system generators provide the ultimate in system controls with just a touch of the PLC screen. No manual settings required. These systems are designed for fully-automatic production of Anolyte in pre-set active chlorine concentrations ranging from 1000 ~ 8000 ppm. With a simple touch using our Kirkmayer® multicolor PLC you can activate your desired pre-set ppm setting.

**The BIG DIFFERENCES**

The Kirkmayer® HC-Automatic Series are built with performance and safety in mind. Producing high concentrations of active chlorine requires a cell that is built to withstand heat no matter what conditions the system is required to operate at.

**CELL WARRANTY:** We know what it takes to build a system and a cell. When it comes to our warranty program no one can top ours! See our warranty program.

**NO OVERHEATING:** Together with the patent pending "Conical" cell design technology and the "Double Cooling" feature eliminates the cell from overheating. Performance and reliability are what you will get from a Kirkmayer® system generator.
Fully-Automatic "CG" Catholyte Series

When higher concentrations of sodium hydroxide (NaOH) solutions are needed in washing and degreasing applications normally found in bio-stimulation procedures, in the precipitation of heavy metals and in organic matter during water purification or in the extraction of essential oils. Ideal markets include but not limited to laundry applications, CIP applications, food processing applications, horticulture applications, hospitality application in emulsification of fats and greases and those applications where its use as a detergent can replace caustic based chemicals.

Features

- High Concentration Catholyte with pH 12
- Full range automatic (NaOH) concentrations
- Touch screen multicolor PLC
- Automatic start and stop | Process current stabilization
- Integrated float level switches | Integrated cell flushing system
- Produces high concentrations of Catholyte solution
- Provides stabilized pH | "Conical Cell Technology"
- Low power consumption ~ Less cost to operate

Design and Build

Our ability to design and custom build a system to meet or exceed your needs will be only limited to your imagination.

The Kirkmayer® HC-Automatic Series are tailor made to client specific needs and requirements. All our CG system generators provide the ultimate in system controls with just a touch of the PLC screen. No manual settings required. These systems are designed for fully-automatic production of Catholyte in pre-set settings at pH 12.

Design and Build: BIG DIFFERENCES

The Kirkmayer® HC-Automatic Series are built with performance and safety in mind. Producing high concentrations of sodium hydroxide requires a cell that is built to withstand heat no matter what conditions the system is required to operate at.

CELL WARRANTY: We know what it takes to build a system and a cell. When it comes to our warranty program no one can top ours! See our warranty program.

NO OVERHEATING: Together with the patent pending "Conical" cell design technology and the "Double Cooling" feature eliminates the cell from overheating. Performance and reliability are what you will get from a Kirkmayer® system generator.
Choosing your **System Generator Supplier** is the most important aspect of purchasing your system. When it comes to reliability, the cell is the key integral part of the entire system. The design of the cell together with the warranty coverage generally is a good indicator of what you can expect in system performance.

### Top 5 Tips

<table>
<thead>
<tr>
<th>TIP</th>
<th>GENERAL INFORMATION</th>
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<tbody>
<tr>
<td><strong>Cell</strong></td>
<td>Round cylinder designed cells which are threaded at both ends to accommodate the plexi-glass ends caps have been known to overheat! Heat transfer is the greatest at the two threaded ends where the cell wall is the thinnest. Heat causing expansion occurs at the two end caps causing them to crack over a short time. Even shorter when the cell is operating continuously in excess of 12-16 hours/day. Once cracked the cell will leak and short out. Overheated cells have been known to cause fires. <strong>Our advice: Buyer Beware of systems with these types of cells.</strong></td>
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<tr>
<td><strong>Warranty</strong></td>
<td>Warranty plays a major part when considering a system. When it comes to the cell the warranty is the key to any purchase. A one year warranty often indicates a poor cell design and the manufacture that does not stand behind the cell whereas those who offer a longer 2-3 year warranty indicate strong cell reliability. <strong>Our advice: Seek a 2-3 Warranty.</strong></td>
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<td><strong>pH</strong></td>
<td>Choose a system that can provide for fully automatic pH adjustments via the PLC screen. Systems that only provide manual settings become problematic in being able to reach accurate pH settings. Manual set valves wear causing flow inconsistencies and require replacing. <strong>Our advice: Seek fully automatic pH settings.</strong></td>
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<td><strong>Salt Consumption</strong></td>
<td>Systems that consume 7-12 GPL (grams of salt to produce one liter of Anolyte) often end becoming high salt consumers reaching 12-14 GPL over time. High chloride salt residuals are problematic in drinking water and causes corrosion. <strong>Our advice: seek a system that can produce Anolyte with very low salt consumption of 2,5 GPL.</strong></td>
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<tr>
<td><strong>Power Consumption</strong></td>
<td>Systems require electricity to operate them. Since the system generator will be operating for long periods of time, choose energy efficient system. <strong>Our advice: Seek and compare a system that offer less power to operate.</strong></td>
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