EcoMatic systems are very simple to install. The Electrolytic Cell of the commercial series has been designed to operate, in most cases, on a bypass from the pool return line. It should be fitted in a vertical position after the heater. A sample line with suitable on/off valve should be installed to enable easy testing of the system’s output and flow control valves should be installed at various points (refer to diagram above). A gas/water flow sensor is provided for installation to ensure safety. The system should be electrically interlocked to the pool filter circulation pump. The power supply and control can be placed on a wall or column and require only single-phase 220 volt (208v pending) power.

Choosing the Right System for your Pool
The appropriate system size is dependent on many factors including pool size, bather load, water temperature, pool location, filtration time and other conditions. Please contact your authorized EcoMatic dealer for further assistance in choosing the correct system size.

Specifications
• Control Panel with digital display and LED indicators
• Variable Output Control from 10% to 100% Cell Output. Output is controlled using low frequency pulse width modulation to maximize Electrolytic Cell life
• Visual monitoring of process essential parameters (system output, conductivity and temperature) and safety devices (gas flow sensor, low conductivity indicators and water flow with protective shutdown)
• Electronically controlled Self Cleaning Cell System, reduced need for acid descaling of Cell plates under normal conditions
• Low energy consumption: EcoMatic is an efficient chlorinator having the high chlorine output per kw of power consumed
• Requires only a 0.4% (4,000 ppm) salt solution in the pool water
• Winter mode for cold water operation with automatic or manual switching
• External control input for control by means of chemical automation systems

Output tested higher at nationally recognized testing laboratories.

Model (100%) (100%) (Kw) (gpm) (ppm) (hours)
COMM160 14 .75 0.2 45 4000 8700
COMM360 32 1.7 0.3 45 4000 8700
COMM550 50 2.75 (Pending NSF) 4000
COMM950 100 5.50 (Pending NSF) 4000
COMM1200 120 6.3 0.6 60 4000 30000
COMM2400 240 12.7 1.2 125 4000 30000
COMM4000 400 21.1 2.1 150 4000 30000

NOTE: All EcoMatic models operate best when connected to a Chemistry Controller. Saltline USA recommends a level of 20-25 ppm Stabilizer (CyA) an outdoor pools and that water be balanced to L.S.I (Langlier Saturation Index). Maintaining a minimum salt level of 4000 ppm will result in optimal cell life.
Lower maintenance and operating costs while minimizing the impact of aquatic facilities on the environment.

Why Is Salt Sanitization Better?
The Perfect Swimming Pool requires crystal clear water at all times. Traditional water sanitation by way of packaged chlorine involves certain risks in production, transport, handling and storage. This traditional sanitation process can be greatly improved by using the EcoMatic Commercial Salt Chlorination Alternative, an extremely effective and convenient system based on electrolysis of common salt.

How Does It Work?
EcoMatic Systems generate a chlorine sanitizer, sodium hypochlorite, from sodium chloride (salt) dissolved in the pool water. The pool water is mildly salted by adding salt into the pool water, either directly into the pool or via the balance tank, to achieve a minimum 0.4% solution—around one third as salty as a human tear drop. The pool water is then pumped via the pool’s filtration system, through the EcoMatic Electrolytic Cell. The Electrolytic Cell converts sodium chloride into natural chlorine which destroys bacteria, viruses and algae. The sodium chloride eventually reforms, and the salt to chlorine process continues over and over again. The salt is not consumed in the process, however salt should be added to the pool periodically to replenish what is lost through backwashing and splash out from batters.

Why EcoMatic?
- Electrolysis breaks down greasy residues of Sun Block
- Chloramine reduction is better on skin, eyes and odors
- Reduced transport, storage and handling chlorine
- Sustainable and environmentally friendly
- Lower operating costs, safe and simple

EMC-D Controller
- pH and dual ORP controller
- Allows automated backup system to meet DOH specs
- Simple to install, use and maintain
- Single-source dealer support