

Low capacity with big capacity performance

Designed with the operator in mind

- Components are easy to view and access
- Components can be easily serviced and replaced
- No sophisticated or custom tools required
- Minimal training required for operation
- Non-corrosive thermoplastic chassis

Efficient

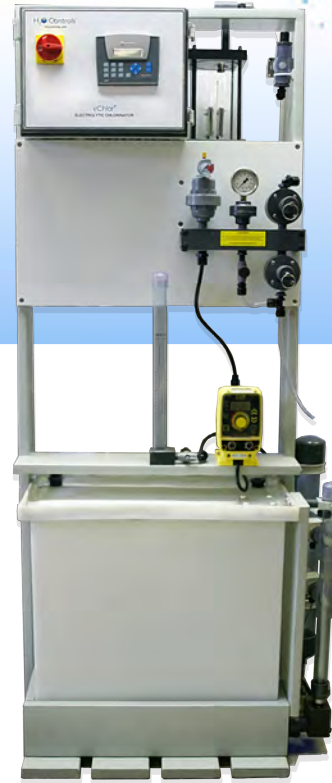
- Eliminates the overuse of raw material
- Compact footprint and the ability to wall mount components optimizes available space
- Eliminates need for brine and water metering pumps
- Maximizes water softener performance

Safe

- No special handling or containment needed to store 0.8% Sodium Hypochlorite solution
- Forced vented to the atmosphere

Economical

- Fewer components means lower cost and increased reliability
- Designed specifically for low capacity chlorine generation



Shown with optional pump delivery system

eChlor is an innovative, onsite, low capacity sodium hypochlorite generator.

We have distilled over thirty years of experience in the design, manufacture and service of chlorinators into one cost-effective unit that emphasizes simplicity without compromising efficiency, dependability, and safety.

The eChlor chlorinator is compact, economical, and easy to install and maintain - it is designed with the operator in mind. We eliminated the complexity associated with high capacity chlorine generation and conceived a simple batch process (patent pending) that uses fewer components. The use of modular, industry standard components makes it easy for you to maintain the eChlor. eChlor minimizes service and maintenance requirements.

Operation

Softened water is supplied to the eChlor generator and salt saturator to minimize hardness. Saturated brine from the saturator is used to fill the brine batch tank to the volume needed for each batch of hypochlorite generated.

Once the brine batch tank is filled the dilution water solenoid is opened and the flow of water is directed through an eductor. The eductor draws the saturated brine from the brine batch tank and discharges the diluted brine mixture into the reactor tank. The dilution water flows until the batch reactor tank is filled to the proper level. This ensures the optimum ratio of brine to water is obtained.

When the reactor tank is full the electrolytic cell is energized. The generation continues for a specified batch duration necessary to produce a 0.8% product concentration.

Once the cell is de-energized a purge period of several minutes allows any remaining hydrogen gas to be vented from the reactor tank. The reactor tank is then drained into the product tank and the next batch cycle can begin.

Technical Details

Capacity	0.6, 1.2, and 2.4 lb Chlorine per day (for higher capacities consult factory)
Salt Consumption	3 - 3.5 lb Salt per lb Chlorine
Product Strength	0.8% +/- 0.05 equivalent Chlorine
Water Requirements	30-60 psi 50-80° F 15 gal per lb Chlorine
Power requirements	120 VAC/1Ph/60Hz Approx. 2 Kwh per lb Chlorine
Ambient temperature	40 – 105°F
Dimensions	32" x 26" x 73"

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