



CAPITAL CONTROLS

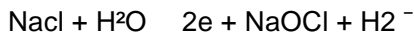
ELECHLOR® ON-SITE BRINE ELECTRO- CHLORINATION

Design Features

- Safe for Personnel
- No Chemical Handling
- Non Hazardous
- Low Running Cost
- Easy Maintenance
- Environmentally Friendly
- Chief Controller of Explosives exempt
- Dual Tank Water Softener included
- Requires no special operational skills
- Manufactured from corrosion resistant material
- Metering Pump, Power supply & Hypochlorite Storage tank included

Introduction

Elechlor® on-site sodium hypochlorite generation is unparalleled in safety and cost efficiency. On-site systems generate 0.8% sodium hypochlorite by combining three common consumables: Salt, Water & Electricity.



Elechlor systems easily control sodium hypochlorite production and provide a powerful disinfection method for any application. Elechlor systems meet requirements for 35 to 2000 gms per day chlorine equivalent.

The system is component based and consists of a modular configuration. This design allows for ease in serviceability and expansion potential.

The system is complete with transformer and rectifier, safety controls, inlet / outlet piping assemblies with flow controls, and piping & instrumentation that makes installation easy.



Applications

- Cooling Water Treatment
- Water & Sewage Treatment
- Pulp & Paper Bleaching Systems
- Swimming Pools
- Odor Control
- Drinking Water.

Capital Controls India Capabilities

Capital Controls India Pvt. Ltd. is capable to engineer customized Brine systems to meet customer's exact requirements.

Capital Controls also offer an extensive array of Engineering and technical support services.

From consulting to complete turnkey projects and provide any level of assistance.

Elechlor® System Specification

Capacities: 35 gms to 2000 gms/hr Free available Chlorine.

Control: Automatic batch, regulated by Storage Tank status.

Hypochlorite: 0.8% ± 0.05%

Raw Material: 3.75 Kg Salt per kg of Chlorine produced.

Water Supply: Potable water @ 2 to 6 Kg/cm² Temperature 5° to 27° C

Salt Quantity: 99.7% pure dry weight White crystal or equivalent

Electrical Power: 240 ±10 VAC 1pH 50Hz

Control Panel: Stainless Steel NEMA 12

Operator Interface: PLC based LED operator interface for control & monitoring status, alarm, tanks & flows.

PLC: 16 digital inputs, 8 digital outputs. Upgradeable to 288 discrete I/O channels & 4 analog I/O channels.

Salt Dissolver: 327 Kgs. Cylindrical tank with cover constructed of rigid high impact non-toxic LDPE.

Sodium Hypo Tank: Tank material is LDPE designed to store contents with specific gravity of 1.5

Level Control: Level sensors in tank controls start / stop function of system.

Hydrogen Vent: Hydrogen is directly vented to atmosphere from electrolytic cell(s).

Model	Output Gms/Hr.	Flow Ltr/Hr.	Cell Capacity Gms/ Day.	Water Ltr/Day	Salt Kg/Day	Power AC/Kwh/Day	AC Amp. Draw	Circuit Capacity
S-35	35	4.50	1 - 840	108	3.18	5	1.5	10A
S-100	100	12.50	1 - 2400	300	9.00	15	4.5	15A
S-200	200	25.00	1 - 4800	600	18.00	30	9.0	20A
S-500	500	62.50	2 - 12000	1500	45.00	75	18.0	30A
S-750	750	100.00	3 - 18000	2400	67.50	110	27.0	40A
S-1000	1000	125.00	4 - 24000	3000	90.00	145	44.0	65A
S-1500	1500	190.00	6 - 36000	4560	135.00	215	65.0	96A
S-2000	2000	250.00	(8) 48000	6000	180.00	290.0		

Capacities other than mentioned above will be offered on request.

Design Improvements may be made without notice.

Represented By:



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Capital Controls India Pvt. Ltd.
15/AJ, Laxmi Estate, Link Road,
Andheri (W), Mumbai - 400 053.
INDIA.

Tel: 91-22-2636 0066 • Fax: 91-22-2636 8185

E-mail: capitalcontrols@vsnl.com

Web: www.capitalcontrolsindia.com