

## CHLOROX™ B-SERIES BRINE SYSTEM

The Chlorox™ B-Series is an electrochlorination system that generates 0.8% sodium hypochlorite using salt, water, and electricity. Applications include water disinfection, wastewater disinfection, food processing, oilfield water sterilization, cooling water treatment in power plants, hospitals, and more. Capacities range from 1 kg/hr to upwards of 50 kg/hr. The modular design of B-Series systems allows for significant customization.

## ADVANTAGES OF THE B-SERIES

### LOW DISINFECTION BY-PRODUCTS (DBPs)

Chlorate levels in hypochlorite produced by the B-Series are low as confirmed via laboratory studies.

### TRANSPARENT ELECTROLYZING TUBE

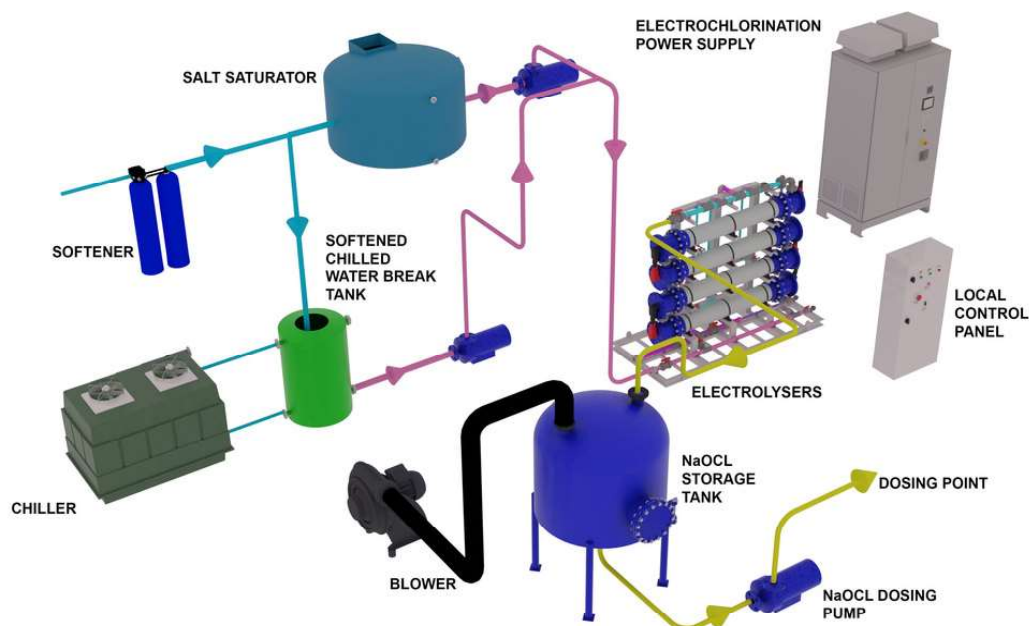
Each electrode can be observed through a transparent cell allowing for ease of view during acid cleaning.

### MODULAR DESIGN

The system's modular design allows for customizable production capacities.



## PROCESS



## APPLICATIONS



WATER  
TREATMENT  
PLANT



MUNICIPAL  
WASTEWATER  
DISINFECTION



FOOD  
PROCESSING



OILFIELD  
INJECTION  
WATER  
STERILIZATION



COOLING  
TOWER WATER



HOSPITAL  
SURFACE  
DISINFECTION

## SPECIFICATIONS

CHLOROX MODEL NO.	B-2.5	B-6	B-10	B-15	B-20	B-21	B-25	B-30	B-40	B-50
Rated Cl <sub>2</sub> Ouput (kg/hr)	2.5	6	10	15	20	21	25	30	40	50
Rated Cl <sub>2</sub> Ouput (kg/day)	60	144	240	360	480	504	600	720	960	1200
Electrolyser Anodes	Titanium Coated with Ti+Pt+Ir Mixed Metal Oxide (DSA)									
Electrolyser Cathodes	Titanium									
Expected Electrode Life	5 - 8 years									
DC Power Consumption (kWh/kg Cl <sub>2</sub> )	3.4 - 4.2									
Sodium Hypochlorite Strength (g/l)	8									
Sodium Hypochlorite Strength (%)	0.8									
Sodium Hypochlorite Flow (l/hr)	313	750	1250	1875	2500	2625	3125	3750	5000	6250
Saturated Brine Flow (l/hr)	31	75	125	188	250	263	313	375	500	625
Softened Water Flow (l/hr)	281	675	1125	1688	2250	2363	2813	3375	4500	5625
Dilute Brine Salinity (g/l)	28									
Salt Consumption/kg Chlorine (kg)	3.5									