



# K Series On-site Chlorine Generators



K Series are electrolytic systems that uses salt, electricity (AC) and water to produce a hypochlorite-based mixed-oxidant solution—liquid chlorine—that maintains its strength for two to three weeks without stabilization.

K Series systems are fully automated and equipped with a twin tower ion exchange water softener to eliminate carbonate scale build-up and reduce maintenance. The system also includes a brine generator, vent system and fittings for the chlorine tank (sourced locally).

K Series generators can be configured to produce either 7, 11 or 22 kilograms of free available chlorine (FAC) per day, ideal for large water utilities and hospitals, and cooling towers, where chlorine based mixed oxidants are used to eliminate biofilm and kill legionella bacteria. Our ‘flow-through’ technology ensures a consistent 4,500 mg/L level of concentration (+/-0.05%) FAC that is safe, ready-to-use and effective at killing 99.9999% of bacteria and 99.99% of viruses, and meets WHO standard recommendations.

Stainless steel passivated enclosures will operate in any industrial environment. The power supply and system controls are housed in an upper enclosure, and fluid management and electrolysis operates in the lower cabinet. Cooling systems are included in the control enclosure. An option heater will automatically maintain feed water temperature above 10°C. Siemens PLC controls w/color touch screen, ethernet monitoring, data acquisition and remote alarms and diagnostics. The brine generator and oxidant tank are sized to meet customer requirements. The system will require a mode of oxidant injection (optional) to meet the dosing requirements of the water.

	<b>K Series</b>
<b>Capacity</b>	7, 11 or 22 kg/day FAC
<b>Power</b>	208 VAC, 1 ph, 50/60 hz, 30A
<b>FAC Concentration</b>	4,500 mg/L
<b>Flow Rate</b>	65/102/204 LPH
<b>Feed Water Temp</b>	>10°C < 30°C
<b>Feed Water Pressure</b>	3 bar minimum (40 psi)
<b>Dimensions</b>	0.7m x 1.8m x 0.25m (2.3' x 5.25' x .82')
<b>Weight</b>	60 kg (130 lbs.)

The K Series 22 produces 204 liters per hour, or 22 kgs of chlorine per day, which will:

- treat 9 million liters of drinking water per day, at a 2.5 PPM dose;
- or, supply 4,900 liters of liquid chlorine per day – ‘ready-to-use’, no dilution or mixing required.

