AR Series On-site Chlorine Generators

AR 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.

AR 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, and vent fittings for the chlorine tank (sourced locally). AR Series generators can be configured to produce either 3 or 5 kilograms of free available chlorine (FAC) per day, ideal for small to medium sized 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%) of 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 for environmental cleaning.

Stainless steel passivated control enclosure and PVC plumbing panel will operate in any industrial environment. The power supply and system controls are housed in the control enclosure, and fluid management and electrolysis operates on the lower panel. A cooling system is incorporated in the control cabinet.   Controls include an IDEC controller and color touch panel, ethernet monitoring, data acquisition and remote alarms and diagnostics.

	AR Series
Capacity	3 or 5 kg/day FAC
Power	208 VAC, 1 ph, 50/60 hz, 30A
FAC Concentration	4,500 mg/L
Flow Rate	28 to 56 LPH
Feed Water Temp	$>10^oC < 30^oC$
Feed Water Pressure	3 bar minimum (40 psi)
Dimensions	0.7m x 1.6m x 0.25m (2.3' x 5.25' x .82')
Weight	30 kg (66 lbs.)

AR Series 5 produces 56 liters per hour, or 5 kgs of chlorine per day, which will:

- treat 2.5 million liters of drinking water per day at a 2.5 PPM dose;

- or, supply 1,350 liters of liquid chlorine per day – 'ready-to-use', no dilution or mixing required.