

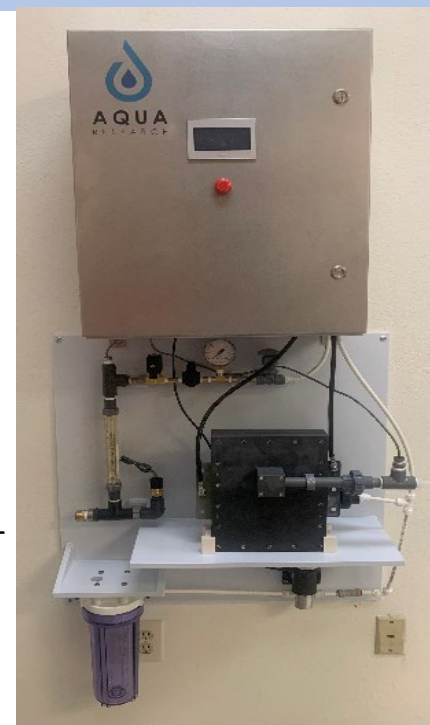
## LAKE-AR™ On-Site Chlorine Generators

LAKE-AR™ chlorine generators are electrolytic systems that use salt, electricity (AC) and water to produce a liquid chlorine-and-peroxide mixed-oxidant disinfectant. This solution maintains its strength for two to three weeks without stabilization.

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

The LAKE-AR™ series can be configured to produce either 3 or 5 kg (6.6 or 11 lbs.) of free available chlorine (FAC) per day, ideal for small- to medium-sized water utilities, industrial sites, 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.

The 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 operate 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.



|                            | LAKE™ AR3                                    | LAKE™ AR5         |
|----------------------------|----------------------------------------------|-------------------|
| <b>Capacity (FAC)</b>      | 3 kg/day (6.6 PPD)                           | 5 kg/day (11 PPD) |
| <b>Power</b>               | 208 VAC, 1 ph, 50/60 hz, 30A                 |                   |
| <b>Concentration</b>       | 4,500 mg/L (± 500 mg/L) FAC                  |                   |
| <b>Flow Rate</b>           | 28 LPH (7.4 GPH)                             | 46 LPH (12 GPH)   |
| <b>Feed Water Temp</b>     | >10°C < 30°C (>50°F < 86°F)                  |                   |
| <b>Feed Water Pressure</b> | 3 bar minimum (40 psi)                       |                   |
| <b>Dimensions</b>          | 0.7m x 1.6m x 0.25m<br>(2.3' x 5.25' x .82') |                   |
| <b>Weight</b>              | 30 kg (66 lbs.)                              |                   |

The LAKE AR5 produces 46 liters per hour (12 gph), or 5 kgs (11 lbs.) of chlorine per day, which will:

- treat 2,000 m<sup>3</sup>/day (520K gals) of water at a 2.5 PPM dose;
- or, supply 1,100 L (290 gals) of chlorine per day – 'ready-to-use,' no dilution or mixing required.

