

# SPRING On-site Chlorine Generator



The SPRING™ is an electrolytic system that uses common salt, electricity (AC/DC solar) and water to produce a hypochlorite-based mixed-oxidant solution—liquid chlorine—that maintains its strength for two to three weeks without stabilization.

SPRING™ is fully automated and equipped with a reverse osmosis water softening system to reduce carbonate scale build-up and maintenance. Controls are one-button push-to-operate with 3-color LED indicator for alarm status and diagnostics. An ion exchange water softener is optional in lieu of the reverse osmosis softening system.

The user adds salt to the 150 liter brine tank (included) and the SPRING™ automatically adds softened water to the fully saturated brine to make a powerful liquid chlorine solution which is stored in a 150 liter chlorine tank (included). When full, the system automatically shuts down. When the chlorine tank is low, the system automatically comes on to refill the chlorine tank.

Our ‘flow-through’ technology ensures a consistent 5,000 mg/L level of concentration (+/- 0.05%) of free available chlorine (FAC) that is safe, ready-to-use and effective at killing 99.9999% of bacteria and 99.99% of viruses, which meets WHO standard recommendations for environmental cleaning. If the generator loses power while producing chlorine, once restored, the SPRING™ immediately continues producing chlorine at the same level of concentration – 5,000 mg/L. This is a significant advantage over batch type of electro-chlorinators.



\*GPS and Wifi Connectivity

	SPRING
<b>Capacity</b>	0.6 kg/day FAC
<b>Power</b>	110/220 VAC, 1 ph, 50/60 hz, 2A, or 12VDC at 20A
<b>FAC Concentration</b>	5,000 mg/L
<b>Flow Rate</b>	4.8 LPH (1.2 GPH)
<b>Feed Water Temp</b>	>10°C < 30°C
<b>Feed Water Pressure</b>	1.5 bar minimum
<b>Dimensions</b>	0.5m x 1.1m x 0.23m (18" x 45" x 9")
<b>Weight</b>	12 kg (26 lbs.)

SPRING™ produces 4.8 liters per hour, or 0.6 kgs of chlorine per day that requires 1.8 kgs of salt and 3.6 kw-hrs of power. 0.6 kgs of chlorine will:

- treat 230,000 liters of drinking water per day at a 2.5 PPM dose;
- or, supply a healthcare facility with 115 liters of liquid chlorine per day – ‘ready-to-use’, no dilution or mixing required.

