

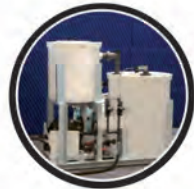
With over 65 years of history unlike any other, the origins of SCIENCO® & FAST® can be traced back to the 1940's in St. Louis, MO for water and salt management systems.

Providing land/marine water management solutions

SCIENCO®

Scienco/FAST is a global manufacturer of Water Management Solutions: Agriculture disinfection systems, Commercial Food & Industrial Equipment, Municipal Water Treatment, Hospital/Institutional Equipment, industrial and commercial bulk salt dissolver systems (brinemakers), liquid injection systems, and environmentally-friendly maintenance tablets and cleaners.

In 1985, Scienco/FAST combined to produce internationally recognizable top-quality water, wastewater, and maintenance products with top-notch field services. SCIENCO®'s current commercial product lines combine proven performance with long-term reliability and many low-cost options.



SciCHLOR® Sodium Hypochlorite Generators: A cost effective and reliable method of safely producing liquid chlorine for onsite disinfection.



SciBRINE® Bulk Salt Dissolver & Brinemakers: the ideal complement for industrial water softening systems that require a large amount of daily salt consumption TO produce and store a liquid brine solution that can be used in various applications, such as a food additive, a chemical feed for various chemical processes or an ion exchange/water softening process, etc.

For municipal water product components:
NSF/ANSI Standard 61 (NSF-61) is a set of national standards that relates to water treatment and establishes stringent requirements for the control of equipment that comes in contact with either potable water or products that support the production of potable water



Water Treatment Solutions

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BETTER WATER. BETTER WORLD.™

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With an onsite generator, you always have an available supply of sodium hypochlorite!

Complete Disinfecting Solution:

- CONSISTENT ON DEMAND CHLORINE PRODUCTION
- AUTOMATIC, INTEGRATED COMPACT DESIGN
- COMPATIBLE WITH MANY SALT TYPES
- CLEAN-IN-PLACE MAINTENANCE
- EASY-TO-REPLACE PARTS

SCIENTO® SciCHLOR® Sodium Hypochlorite Generator with SciCELL® technology is a fully automated, pre-packaged on-site hypochlorite system designed for economical installation, safe operation and easy maintenance to SAFELY and EFFICIENTLY make chlorine on demand.

The SciCHLOR® System includes brine tank(s), chlorine storage tank(s), control panel, multi-pass SciCELL® unit, and recirculation pump to allow the system to AUTOMATICALLY run at the optimum salinity and increase power efficiency. Using a recirculation method to concentrate a brine solution, the SciCHLOR® system is generated through a balance of brine and is dependent on solution consumption. The system creates 2%-13% salinity - 0.8% optimum hypochlorite [below the hazardous material threshold of 1%]. Systems are shipped completely piped, wired and tested.



HOW THE SCICHLOR® WORKS:

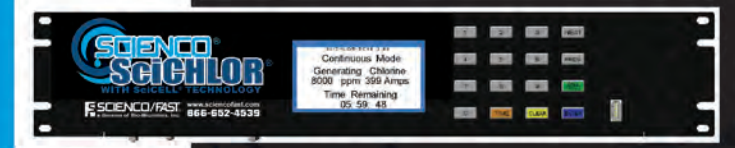
- 1.) Connect to a water source to the brine tank and set the pump to "AUTO". Manually add salt up to the max fill line in the brine tank to create continuous saturated brine. Turn "ON" power switch.
- 2.) Production will begin immediately filling the Chlorine tank with brine and the SciCELL® pulls the solution to convert the brine deposit back into the chlorine tank.
- 3.) The SciCELL® Control Panel uses this automatic, "recirculation" method to provide consistent strength with minimal operator attention. After ~5 hours, the solution will reach optimum concentration of desired strength. As the chlorine is used, the water will automatically refill the brine tank (more salt will eventually need to be added to keep at the fill line). If no solution is used, the system will shut off.

SciCHLOR® Sodium Hypochlorite Generator		
Models	Hypochlorite Produced Capacities	Dimensions (in)
SciCHLOR 1.0	10 pounds (4.5 kg) = 150 gallons [565 L] per day	64" [1.6 m] x 26" [0.6 m] x 56" [1.4 m]
SciCHLOR 2.0	20 pounds (9 kg) = 300 gallons [1135 L] per day	64" [1.6 m] x 26" [0.6 m] x 56" [1.4 m]
SciCHLOR 4.0	40 pounds (18 kg) = 600 gallons [2270 L] per day	consult factory
SciCHLOR 6.0	60 pounds (27 kg) = 900 gallons [3400 L] per day	consult factory
MATERIALS:	Non-Corrosive	
SALT TYPE:	ALL; granular table salt or 99.6% pure solar salt preferred	
CAPACITIES:	10 lb (4.5kg), 20 lb (9kg), 40 lb (18kg), 60 lb (27kg)/day hypochlorite produced	
POWER:	220 VAC 50/60Hz 1-Phase & 3-Phase	
CHLORINE STRENGTH:	0.8% optimum	



Simple • Effective • Safe • Economical • Efficient

Maintains effective, reliable disinfection at an affordable cost with a long SciCELL® life and easy maintenance.



Complete Brinemaking Solution:

- ELIMINATES BAG DISPOSAL
- REDUCES MANUAL FILL LABOR
- REDUCES WAREHOUSE SPACE
- ECONOMICAL SOLUTION

For large continuous feed of Brine applications, Scienco® SciBRINE® Brinemakers use advantages of down-flow processes to ensure consistent, near saturated brine with easy maintenance and storage in one tank! The corrosion-free design will allow for on-site truckload delivery of salt that is pneumatically conveyed directly into the watertight tank.

Any tank can be made into a brinemaker (with SciBRINE® kit), however, a filament-wound, reinforced, fiberglass tank is recommended. Most types of salts can be used (granular 99.6% "food grade" sodium chloride preferred), but will affect this sizing of system. With the Levetro® SR "Smart Relay" controllers to automate salt/water levels, the SciBRINE is an ideal complement for applications that require a large amount of daily brine consumption.

For sizing assistance, please contact factory for guidance, solutions@sciencofast.com.

FOR LARGER BULK SALT DISSOLVING APPLICATIONS:

See the SciBRINE® Brinemakers (from 3 to 70+ ton capacities per fill!)

Available in HDPE, underground, dome or flat top fiberglass configurations

- 1.) Stainless steel SALT FILL PIPE for maximum resistance to abrasion (small flat tops uses a side fill entrance)
- 2.) VENT PIPE relieves pressure during fill cycle; any airborne particles are captured in DUST COLLECTOR BAG
- 3.) WATER FILL TUBE & BRINE PLENUM located inside tank
- 4.) Remotely located, LEVETROL® SR NEMA 4X CONTROL PANEL automates salt/water levels:
 - Controls water flows through a 30 gal/min flow control valve
 - Eliminates the need for "corrosion-prone" & tank-mounted probes
 - Light illuminates to determine when more salt is needed
 - Telemetry technology can also be added to monitor the system
 - Reduces the chance of channeling salt
- 5.) OPTIONAL: SAFETY CAGE & MOUNTED LADDER
- 6.) For NEW or EXISTING Tank with top (a) &/or side (b) manway
- 7.) OPTIONAL: INSULATION PACKAGES, if required.

