

WARNING: To reduce the risk of injury, installation and service should be done by a qualified **Pool Service Professional, Certified Electrician or Authorized SGS Representative.**

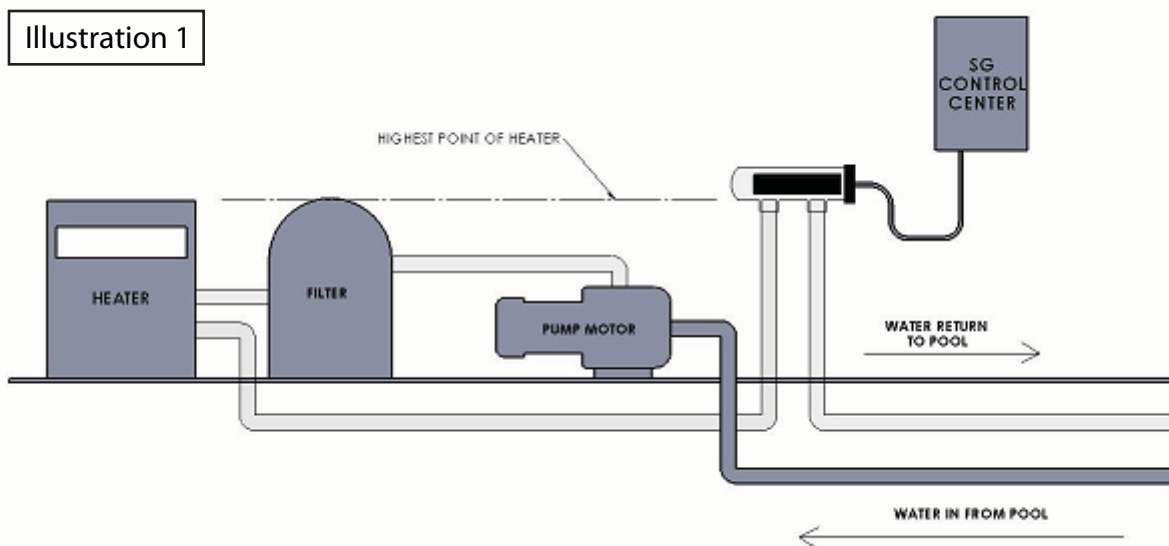
WARNING: IMPORTANT SAFETY INSTRUCTIONS PERTAINING TO RISK OF FIRE, ELECTRIC SHOCK, OR INJURY TO PERSONS. READ AND FOLLOW ALL INSTRUCTIONS. Failure to follow safety warnings and instructions can result in severe injury, death, or property damage. Call 1-866-972-SALT or go to www.sgshchlorinators.com for additional free copies of these instructions.

DANGER: Risk of electric shock, which can result in serious injury or death. Before attempting installation or service, make sure that all power to the circuit supplying power to the system is disconnected/turned off at the circuit breaker. Connect only to a circuit protected by a ground fault circuit interrupter (GFCI).

Installation Preparation

The SG Series cell MUST be installed horizontally, with the ports down, as the last piece of pool equipment in the line, on the return to the pool. (The design of the cell forms a natural gas trap. Even though the SG Series unit has an internal flow sensor, this installation provides a secondary safety feature to prevent gas build-up within the system.) Note: The inlet is labeled on the cell housing with an arrow pointing up. The cell housing should be located 6 inches above the height of the heater: in the event there is no heater, the cell should be located above the height of the filter. Any standard PVC cement may be used. Always use PVC cleaner to prep all glue joints. Allow adequate drying time before turning on the pump. All of the fittings are 2 Inch PVC, and if necessary can be reduced to 1½ inch PVC. The cell must be installed within five feet of the power supply, as the cell cord is only six feet in length and is designed to carry the appropriate current for the cell within the system. Should a longer chord be necessary, contact us (see above for contact information) before proceeding with installation.

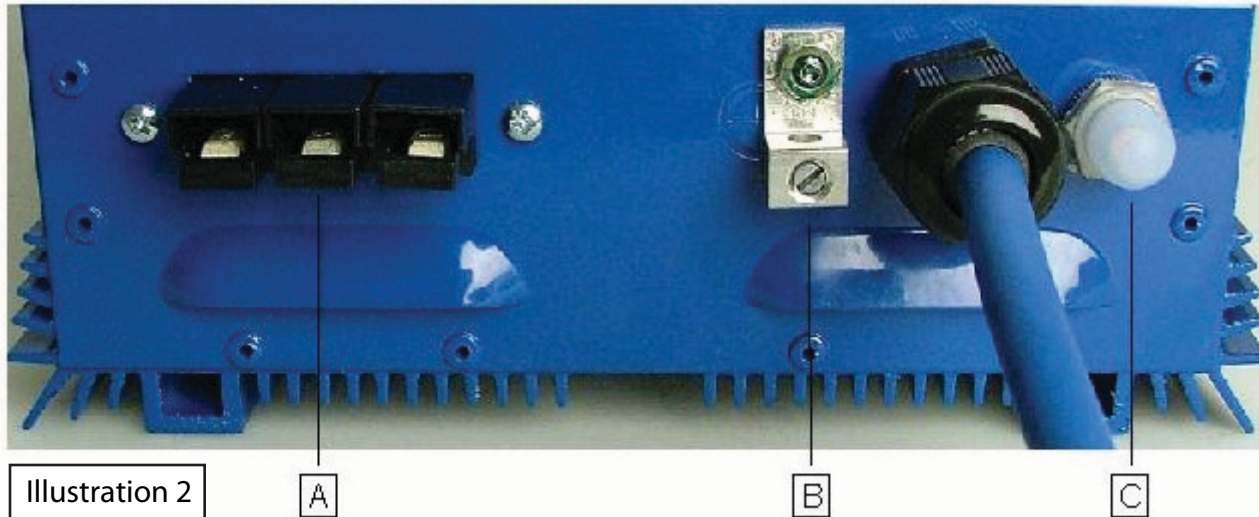
The SG Series Control Center is shipped wired for 220 VAC. The system is designed to come on only when the primary pump is operating and should be wired to the load side of the time clock. It must be grounded with an 8AWG bonding wire from the lug (see illustration # 2 below) on the bottom of the Control Center to the grounding rod (this is necessary to protect the integrity of the electronic systems). Note: Saline Generating Systems LLC does not recommend installing a salt water chlorinator on a pool using a stainless steel filter, or stainless steel liner.



PROCEDURES FOR INSTALLATION

Cell

1. Locate pool return line after the heater or filter as shown in illustration # 1 above. This is the proper location for the Cell housing.
2. Determine height necessary to bring cell above either heater or filter.
3. Cut and glue the risers from the main plumbing into place. Install the cell housing to the top of the risers, making sure the cell housing is installed level.
4. Install the o-ring into the receiving channel, and then slide the cell into the cell housing making sure the key ways on the black plastic base align with the matching key in the cell housing.
5. Put the main cap into place and hand tighten only; be sure not to strip the threads.



Control Center

**The Control Center can be mounted on a wall or posts.*

1. Using the end of the cell chord as a guide, locate a suitable location for the mounting of the Control Center. The Control Center should be mounted on a noncombustible surface.
2. The "Z" bracket should be fastened to the wall at a height comfortable for operation. Screws or anchors are not included. Make sure that the center hole is fastened directly onto concrete with the proper anchoring device or into a stud in a noncombustible wall surface. Mount the bracket by installing the center screw, and then leveling the bracket, using smaller screws in the outside to hold the bracket rigid, and level.
3. If mounting the Control Center on a post, it must be centered on a flat panel of waterproof and non combustible material at least 10" x 20". Do not enclose the Control Center in any box.
4. The SG Series Control Center has the mate to the "Z" bracket fastened to the back of it. To hang the Control Center, place the top of the Control Center directly over the top of the wall bracket and allow the unit to move down the wall until it comes in contact with the wall bracket you just mounted. Your SG Series Control Center is now mounted.
5. The Control Center is wired from the factory at 220V single phase only. Should you require alternative voltage, the unit can be wired in the field by a certified SGS licensed technician only; otherwise, please contact SGS by phone or email.
6. The Control Center should be wired directly into the load side of the time clock for the main pool pump, so that the system is powered only when the pump is on.
7. Connect 8AWG bonding wire (not included) between the grounding rod and the grounding lug (Part B above) on the bottom of the Control Center.

Connecting The Cell Cord To The Control Center

Align the three pins of the cell cord plug with the socket on the Control Center bottom (Part A above) and insert the connector until it clicks in place.

Special Situations

Flooded Plumbing Installation

This exists when the water level of the pool is above the height of the pool equipment. Some pool systems may have valves that will isolate the equipment. If not, one ball valve should be installed on the inlet side of the cell and a one-way check valve should be installed on the outlet side of the cell. This will eliminate the possibility of having a gas build-up (which could cause possible cell damage) and allow the cell to be removed for cleaning when necessary.

Multiple Installations

If more than one unit is necessary (for heavier sanitizer needs) the SG Series may be plumbed in either series or parallel. The header or manifold must be balanced, providing equal flow to each chlorinator. It is also suggested that provisions be made in the header to isolate and remove individual cells if necessary without shutting down the entire system.

INSTALLING THE CONTROL CENTER WARNING! When using electrical products, basic precautions should always be followed