



RT30 Installation Manual



INSTALLATION SUPPORT

Be sure to read through the manuals FIRST to be sure each step is completed according the information provided. For the Chlorine Genie to operate properly, it must be set up, operated and serviced properly.

Support is available 9 AM to 5 PM PST Monday through Friday.

Support contact information:

Main Line: 619.685.0691

Email: support@ultimatepoolwater.com

IMPORTANT INFORMATION WHEN CALLING FOR HELP

Genie Serial Number: _____

Genie model and description
or type of installation: _____

Date installed, color of brine tank
and approximate gallons of pool: _____

Email address to contact owner: _____

WARNINGS: READ BEFORE INSTALLING

- Do not cover Chlorine Genie unit when in operation. Unit must be well vented. Hydrogen is produced and vented to the atmosphere. If Chlorine Genie is covered, it could result in hydrogen being trapped inside and could cause a fire or explosion or both. This product produces chlorine and should be installed in a well-ventilated area.
- Ultimate Water recommends that installations are done by an Authorized Representative. Please contact Ultimate Water to be connected with an Authorized Rep in your area.
- The Face Plate of the power supply should ONLY be removed by an Authorized Representative.
- Rubber gloves and eye protection should be worn when refilling Acid Container, cleaning Chlorine-Generating Cell, adding salt or performing maintenance.
- Only connect Chlorine Genie to a GFCI (Ground Fault Circuit Interrupt) protected 110v-120v outlet receptacle. Do not connect to power using an extension cord.
- When a Float Feeder is installed, only run Chlorine Genie within the times when the pump is running.
- For new pools, do not run the Chlorine Genie until pool chemistry has stabilized (approximately 1 week).

Amperage Meter

Hour Meter

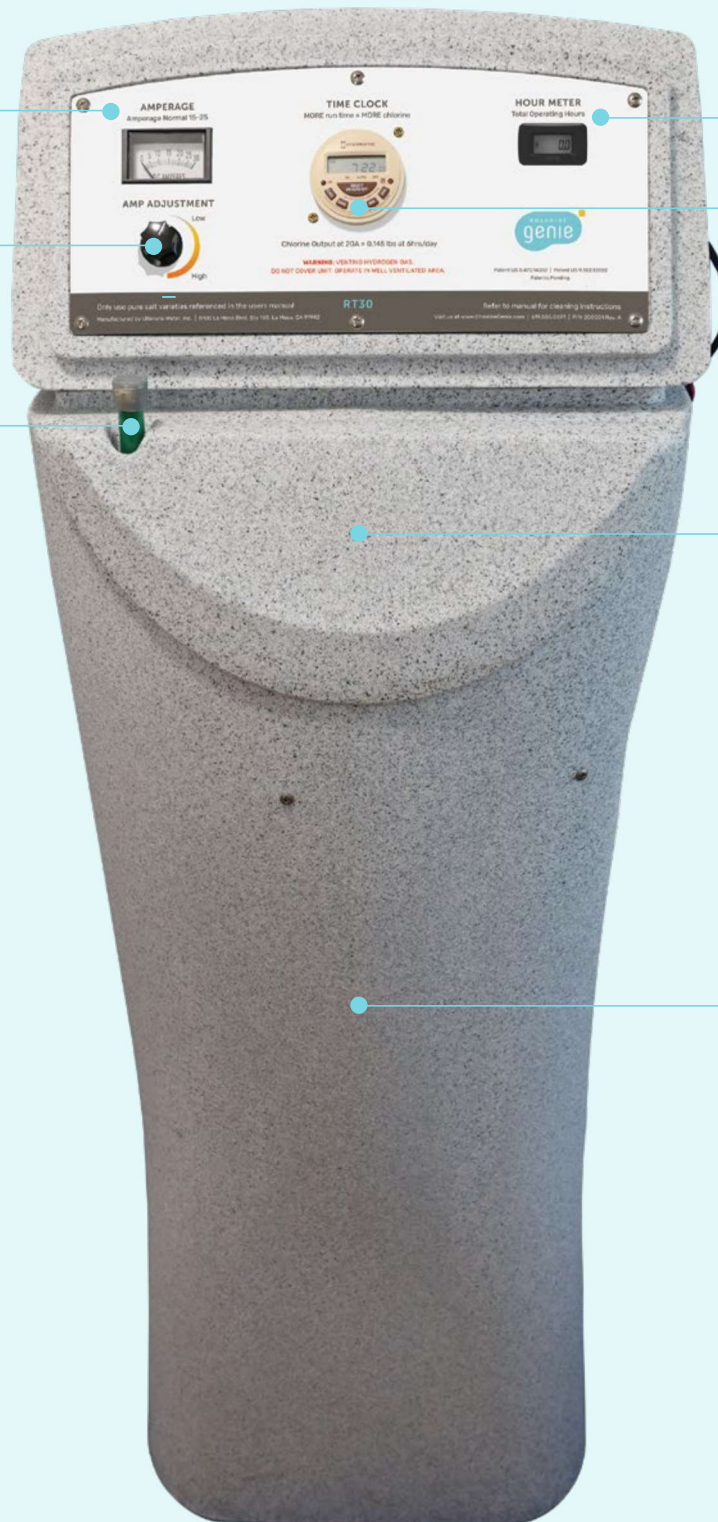
Amperage
Adjustment Knob

Time Clock

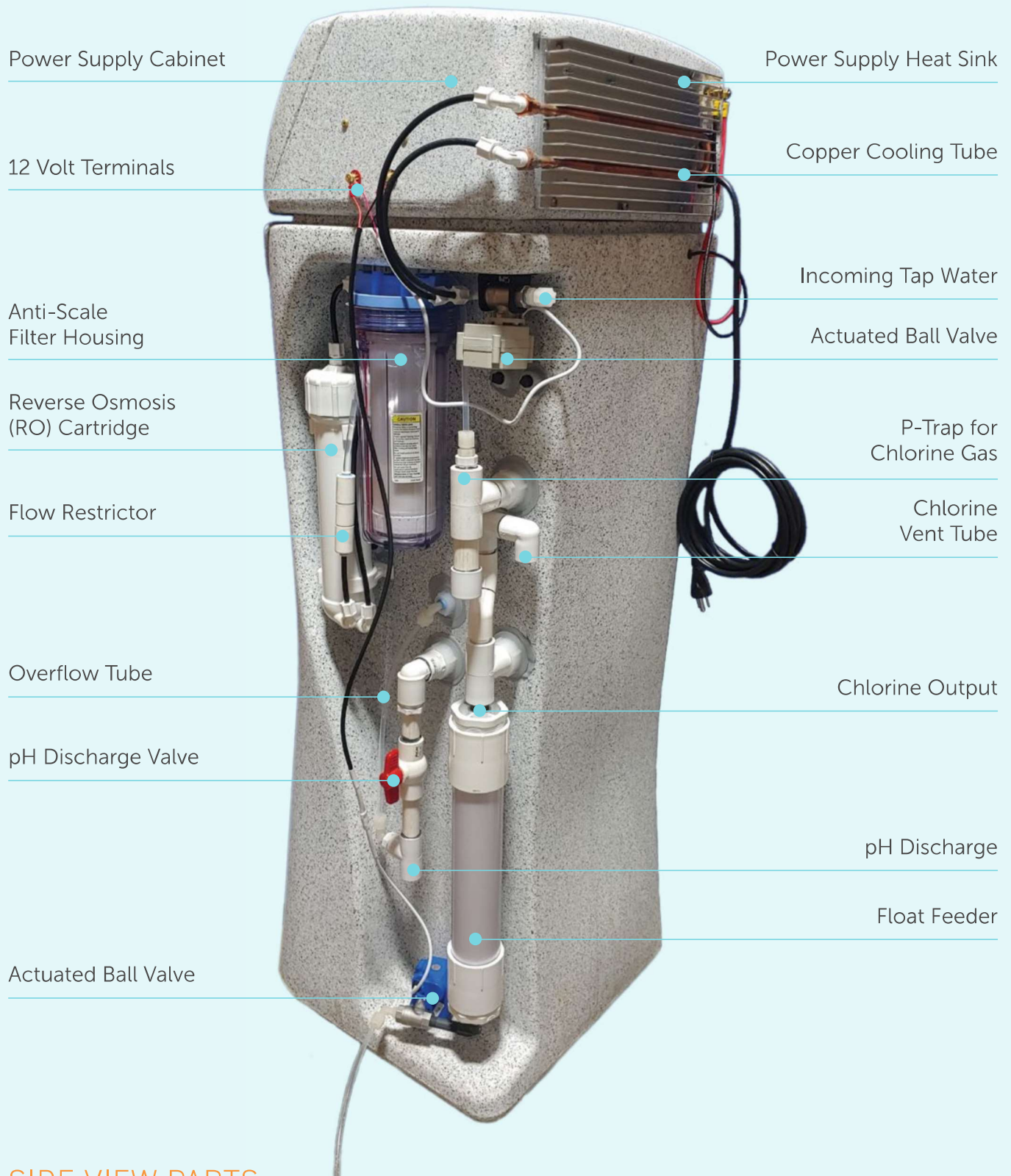
Salt Stick

Salt Lid

Brine Tank



FRONT VIEW PARTS
COMPLETE RT30 UNIT



Power Supply Cabinet

Power Supply Heat Sink

12 Volt Terminals

Copper Cooling Tube

Anti-Scale
Filter Housing

Incoming Tap Water

Actuated Ball Valve

Reverse Osmosis
(RO) Cartridge

P-Trap for
Chlorine Gas

Flow Restrictor

Chlorine
Vent Tube

Overflow Tube

Chlorine Output

pH Discharge Valve

pH Discharge

Float Feeder

Actuated Ball Valve

SIDE VIEW PARTS

COMPLETE RT30 UNIT WITH INSTALLED PLUMBING

STEP 1

PLACEMENT & UNIT LOCATION

Proper placement of the Chlorine Genie is important. Please review the following checklist and ensure all items are available before beginning the install:

- ☐ 110-120 Volt GFCI Electrical Outlet within 12-feet of Chlorine Genie unit
- ☐ Tap water source within 50-feet of unit
- ☐ Pool pump within 10-feet of unit
- ☐ Appropriate location for drainage of all discharge
- ☐ Well-ventilated area on level ground for unit with no more than 5° of tilt or slope that is above the water level of the pool

NOTE: The Chlorine Genie should not be installed in a closet, box or other container or in any way covered. Unit requires ventilation to allow for the venting of hydrogen and chlorine gas produced. Improper ventilation could lead to fire or explosion or both.

STEP 2

REVIEW INSTALLATION KIT & REQUIRED PARTS

Installation Kit (provided and pictured below)

- Two Hard Water Test Strips
- Five 1/4" Brass Inserts
- Actuated Ball Valve w/wiring
- 1/4" Nipple
- 1/4" Male to Female Elbow
- Three Poly 90° Elbows
- Float Feeder
- 1/4" Male Adapter Straight
- 10 Feet of 1/4" Teflon Tubing
- 50 Feet of Black Water Tubing
- Air Pump (store safely, refer to Owners Manual for usage)

Tools/Parts Required for Installation (Not provided in installation kit)

- Water Chemistry Kit (test kit)
- Chlorine, pH, alkalinity, and stabilizer test strips
- Teflon tape
- Two 7/16" wrenches
- 80-100 lbs. of salt (recommendation: pure salt granules without additives)
- Adjustable pliers
- 1/2" PVC pipe
- Two 10' lengths of PVC pipe are suggested; used for the pH Drainage and Chlorine Vent
- 1/2" PVC threaded coupler
- Two 1/2" 90° PVC elbows
- PVC pipe cutter
- PVC glue



- There are many ways to connect Chlorine Genie to the incoming water source (Refer to Step 5). Consider local building codes and available plumbing options when connecting to a water source. Some options for installation may require the following parts which are available for purchase at most hardware stores, and are not included in the installation kit: Saddle Valve or brass Hose Bib with 1/4" compression reducer.
- Certain pool pumps have anti-entrapment devices. In these cases, the Chlorine Genie cannot connect to the pump via the Float Feeder to dispense chlorine. For this type of installation, a Venturi Kit will be connected to the Chlorine Genie unit and tubing will be routed to drip chlorine directly into the pool. The Venturi Kit is not included but is available from Ultimate Water.

STEP 3:

ASSEMBLE THE CHLORINE GENIE UNIT

- Locate the alignment box on the bottom of the Power Supply Cabinet.
- Place the Power Supply Cabinet on top of the Brine Tank.
- Secure the Power Supply Cabinet by placing the alignment box completely inside the opening on top of the Brine Tank.



- The Power Supply Cabinet should be level and fit snugly inside the opening.



STEP 4:

CONNECT THE COOLING TUBES

1. Wrap male threaded ends of the Poly 90° Elbows with 3-4 wraps of Teflon Tape.

NOTE: Tape must be applied by turning it clockwise around the thread. If not applied correctly, the tape will not seal the fitting and will peel back.

2. Locate the exposed brass female fittings at the ends of the Copper Cooling Tubes on the back of the Power Supply Cabinet.
3. Thread the Poly 90° Elbows into the brass female fittings of the Copper Cooling Tubes – thread the elbows finger-tight.
4. Ensure that once tight, the female end of the Poly 90° Elbows are facing towards the front of the power supply cabinet as shown in the picture.

CAUTION: Do not cross-thread and do not over-tighten Poly 90° Elbows or fittings. Cross-threading or over-tightening may lead to cracks in the elbow, stripped threads, and ultimately leaks.

5. Locate the two black water tubes connected to the Actuated Ball Valve and Anti-Scale Filter.
6. Place one Brass Insert into the exposed end of each of the black tubes.
7. Connect the black tubing coming from the Anti-Scale Filter to the top Poly 90° Elbow by placing the black tubing all the way inside the Poly 90° Elbow.
8. Connect the black tubing coming from the Actuated Ball Valve to the bottom Poly 90° Elbow by placing the black tubing all the way inside the Poly 90° Elbow.

STEPS 1-2



STEPS 3-4



STEPS 5-8



STEP 5:

CONNECT WATER TO THE CHLORINE GENIE UNIT

There are many ways to connect the Chlorine Genie to a water source. Below are three possible ways that the connection can be made. Before connecting to a water source, be sure to consult with local building codes and if necessary, engage a licensed plumber.



SADDLE VALVE

Parts needed

- 1 brass insert (included in Installation Kit)
- Saddle Valve (not included)

Installation

A saddle valve is mounted directly on to a pipe. Saddle valves are self-tapping devices. Once mounted on a pipe, with the included rubber seal in place, turn the valve clockwise until it pierces the water line. When the valve handle can no longer be turned, the pipe is tapped. Turning the handle counterclockwise opens the valve. Please be sure to follow all instructions provided with the Saddle Valve.



HOSE BIB ADAPTER

Parts Needed

- Reducer/adaptor ($\frac{3}{4}$ " to $\frac{1}{4}$ ")
- Hose Bib

Installation

A hose bib connects directly to a hose spigot. Once a hose bib is connected, use the reducer to connect the black tubing to either the hose bib or directly to the spigot.

DIRECT PLUMBING

A licensed plumber can connect directly into existing water line, adding a shut-off valve and $\frac{1}{4}$ " adapter. If direct plumbing is the optimal option for your pool, please contact a licensed plumber in your area.

- Once connected to a water source, connect the $\frac{1}{4}$ " black tubing (included in Installation Kit) to the water line. Insert a Brass Insert into the end of the black tubing and secure the black tubing to the water source.

STEP 6:

CONNECT WATER TO THE CHLORINE GENIE UNIT

- Locate the plastic fitting with the female opening on the bottom of the Actuated Ball Valve.
- Cut the black tubing to length so that it can connect to this fitting. Be sure to leave enough tubing so that the tubing can be safely placed between the water source and the Chlorine Genie unit without causing a tripping hazard and where it will not become kinked or be stepped on.
- Place a Brass Insert into the open end of the black tubing coming from the water source.
- Insert the black tubing with the brass insert into the female opening on the bottom of the Actuated Ball Valve.
- Finger-tighten the plastic nut on the plastic fitting.

NOTE: Do not turn on the water yet. Turning on the water happens after filling the unit with salt in Step 11 below.



STEP 7:

INSTALL FLOAT FEEDER

NOTE: If installation is being done via Venturi Kit to bypass the pump, skip Step 7 and Step 8 and follow directions provided with Venturi Kit.

- Locate the top end of the Float Feeder with a hole in it (the bottom end will have an elbow fitting attached).
- Carefully unscrew the PVC end cap from the Float Feeder and remove the bubble wrap from inside the Float Feeder.

NOTE: Bubble wrap is placed in the Float Feeder to protect the Float Feeder during shipping. Chlorine Genie will not work if the bubble wrap is not removed.

- Carefully screw the PVC end cap back on to the Float Feeder. This piece must be securely fastened and can be safely tightened with a wrench or pliers.
- Locate the 1/4" Male to Female Elbow and 1/4" Nipple included in the Installation Kit.
- Wrap male threaded ends of the 1/4" Male to Female Elbow and 1/4" Nipple with 3-4 wraps of Teflon Tape.

NOTE: Tape must be applied by turning it clockwise around the thread. If not applied correctly, the tape will not seal the fitting and will peel back.

- Locate the bottom of the Float Feeder, identified by two nested bushings.
- Using two wrenches, screw the 1/4" Male to Female Elbow into the bottom of the Float Feeder until tight.
- One wrench is used to secure the bottom bushing of the Float Feeder, ensuring the bushing does not turn.
- The other wrench is used to screw the 1/4" Male to Female Elbow into the bushing.





- Screw the 1/4" Nipple into the 1/4" Male to Female Elbow until tight. This piece must be securely fastened and can be safely tightened with a wrench.
- Carefully screw the top of the Float Feeder onto the male fitting of the Chlorine Output – stop screwing when the 1/4" Nipple is facing away from the Chlorine Genie (as pictured), the Float Feeder should be mostly tightened.
- Locate the Actuated Ball Valve that is included in the Installation Kit.
- Attach the Actuated Ball Valve to the 1/4" Nipple, using the female side of the valve that is furthest from the wiring (as pictured).

CAUTION: Do not cross-thread and do not over-tighten Poly 90° Elbows or fittings. Cross-threading or over-tightening may lead to cracks in the elbow, stripped threads, and ultimately leaks.



- Tighten the Float Feeder further until the Actuated Ball Valve is nested into the recess on the side of the unit and resting securely against the body of the Genie.
- Locate the wiring attached to the Actuated Ball Valve and route the wiring up to the side of the Power Supply Cabinet.
- Remove the nuts on the 12 Volt Terminals on the side of the Power Supply Cabinet, and attach the red and black ring terminals to their respectively colored posts (red to red, black to black).
- Reattach the nuts to the 12 Volt Terminals and tighten until finger-tight.

NOTE: There is additional wiring that will be attached to these Terminals in Step 8 of this Installation Manual.



- Locate the 90° Elbow provided in the Installation Kit.
- Screw the 90° Elbow into the open end of the Actuated Ball Valve, ensure the elbow is securely fastened without cross-threading.
- Insert one end of the clear Teflon Tubing (provided in the Installation Kit) into the 90° Elbow attached to the Actuated Ball Valve.
- Finger-tighten the plastic nut on the 90 ° Elbow.

CAUTION: Do not cross-thread and do not over-tighten Poly 90° Elbows or fittings. Cross-threading or overtightening may lead to cracks in the elbow, stripped threads, and ultimately leaks.

STEP 8:

CONNECTING CHLORINE GENIE WIRING

CONNECT THE CELL TERMINALS

- Locate the red and black wires coming through the back of the Brine Tank wall.

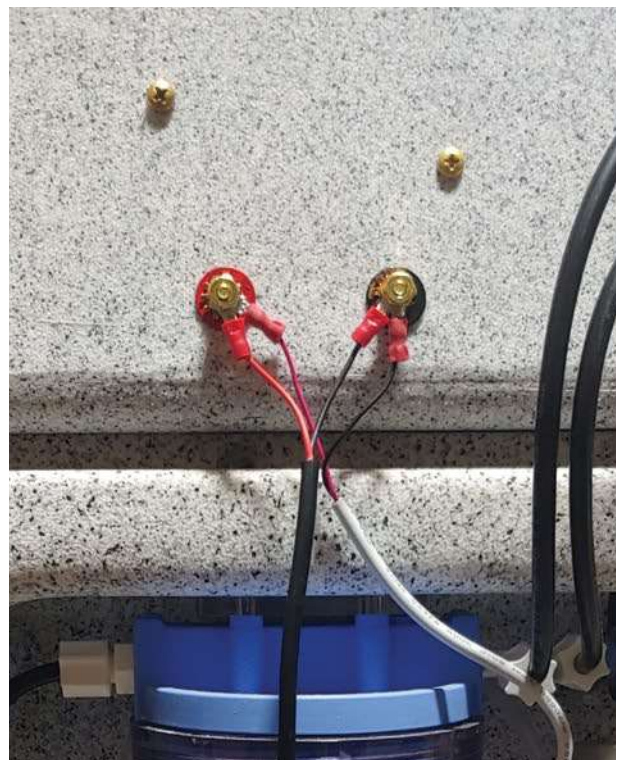
NOTE: These two wires come from the Chlorine-Generating Cell within the Brine Tank.

- Locate the 12 Volt Terminals on the back of the Power Supply Cabinet.
- Use two $\frac{7}{16}$ " wrenches (one to keep the back nut from turning, the other to tighten) to securely fasten the red and black wires onto the terminals.

CONNECT THE POWER SUPPLY TERMINALS

- Locate the red and black wires coming out of the Actuated Ball Valve.
- Locate the 12 Volt Terminals on the side of the Power Supply Cabinet – there should already be wiring connected to these Terminals coming from the Actuated Ball Valve on the bottom of the Float Feeder
- Use two $\frac{7}{16}$ " wrenches (one to keep the back nut from turning, the other to tighten) to securely fasten the red and black wires onto the terminals.

NOTE: Be sure to connect red to red and black to black. These connections must be tight and secure.



STEP 9:

CONNECT CHLORINE GENIE UNIT TO POOL PUMP

- Locate the pool pump and if running, turn the pump off.
- Unplug the 1/4" drain plug from the lint pot (store safely).
- If the pool pump does not have a 1/4" plug, the Chlorine Genie will need to be connected directly to the pool via a Venturi Kit. Please contact Support for Venturi Installation instructions.
- Cut the Teflon Tubing to length so that it can connect to the pump. Be sure to leave enough tubing so that the tubing can be safely placed between the pool pump and the Chlorine Genie unit without causing a tripping hazard and where it will not become kinked or be stepped on.
- Locate the 1/4" Male Adapter Straight (included in the Installation Kit).
- Wrap male end of the 1/4" Male Adapter Straight with 3-4 wraps of Teflon Tape.

NOTE: Tape must be applied by turning it clockwise around the thread. If not applied correctly, the tape will not seal the fitting and will peel back.

- Insert the 1/4" Male Adapter Straight into the lint pot where the plug used to be.
- Connect the Teflon Tube coming from the Float Feeder to the 1/4" Male Adapter Straight.
- If the pump was running, turn the pump back on.

NOTE: The Teflon Tube delivers chlorinated liquid to the pool pump when the pump is running. Ensure that the Chlorine Genie runs at the same time the pool pump is running (detailed in Step 13) to avoid a chlorine build-up inside the pool pump, which can damage the equipment.





STEP 10:

SETUP pH DRAINAGE

The Chlorine Genie produces sodium hydroxide which is used to help manage the pH in the pool. Excess sodium hydroxide needs to be drained from the Chlorine Genie through the pH Discharge Valve to manage the pH in the pool. The sodium hydroxide is an alkaline solution that needs to be discharged away from the unit, other pool equipment, hardscape, plants and house vents.

- Locate the opening of the pH Discharge below the pH Discharge Valve.
- Measure the distance between the pH Discharge and the intended drainage location.
- Cut a length of PVC pipe (not included in Installation Kit) to run from the pH Discharge to the drainage location.
- Insert the PVC pipe into the opening of the pH Discharge and secure with PVC cement.



STEP 11:

SETUP CHLORINE VENT

- Locate the PVC 90° elbow at the opening of the Chlorine Vent.
- Measure the distance from the opening of the Chlorine Vent to the ground.
- Cut a length of PVC pipe to reach from the opening of the Chlorine Vent to an inch off the ground.
- Insert the PVC pipe into the 90° elbow at the opening of the Chlorine Vent and secure with PVC cement.
- Route the PVC pipe away from the equipment in a downhill grade so condensation cannot form a block in the line.

CAUTION: A byproduct of chlorine production is chlorine gas; chlorine gas is hazardous and can corrode other equipment. The chlorine gas coming out of the Chlorine Vent needs to be vented away from the Chlorine Genie, and other equipment. If the Chlorine Genie unit is located in close proximity to any other equipment (air conditioning unit, pool pump, pool heater, etc.), extend the PVC pipe in a downhill grade, away from the equipment.

STEP 12:

ADD SALT AND WATER TO THE BRINE TANK

SALT

- Remove Salt Lid from the front of the Brine Tank.
- Pour 80 to 100 lbs. of salt into the Brine Tank.

CAUTION: Do not pour salt into the small 6" Chlorine-Generating Cell housing – see circle in image.

NOTE: Ultimate Water Recommendation is to use pure salt granules without additives.



WATER

- Locate the water source connection (connected in Step 5).
- Turn the water on at the water source. (For example: if using a hose bib, ensure the hose is turned on).
- Locate the pH Discharge Valve.
- Close the valve by turning to the horizontal position.
- Using a garden hose, fill the Brine Tank with water.
- Continue to fill until the Brine Tank is filled just below the overflow tee inside of unit (circled to the right).
- Replace the Salt Lid back onto the unit.



STEP 13:

CONFIGURE RUN SCHEDULE

NOTE: *Ultimate Water recommends configuring a 4-6 hour run cycle to ensure the pool is sufficiently chlorinated.*

NOTE: Configure the Chlorine Genie timer to come on at least 30 minutes after the pump comes on and shut off at least 30 minutes before the pump shuts off. If the Chlorine Genie is running and outputting chlorine while the pump is off, chlorine will build up inside the lint pot which can lead to a chlorine back-up and degradation of the pool pump.

1. Locate Time Clock on the unit Faceplate. Locate the clock on the pool pump.
 - Adjust the time of day on the pump, if needed, to ensure the time of day will match the Chlorine Genie Time Clock.
2. Set Clock to time of day (AM or PM):
 - Hold down "CLOCK" button while pressing the "HOUR" button until correct AM/PM hour is displayed.
 - Hold down "CLOCK" button while pressing "MINUTE" button until correct minute is displayed.
 - Release the "CLOCK" button.
3. Set the 'On' time for cycle #1:
 - Press the "TIMER" button once to enter run schedule programming mode.
 - "1 ON" will appear on the left of the display, indicating that the "ON" time for cycle #1 is ready to be configured.
 - Press the "HOUR" button until the correct AM/PM hour is displayed for cycle #1 to turn 'On'.
 - Press the "MINUTE" button until the correct minute is displayed for cycle #1 to turn 'On'.
4. Set the 'Off' time for cycle #1:
 - Press "TIMER" button again.
 - "1 OFF" will appear on the left of the display, indicating that the "OFF" time for cycle #1 is ready to be configured.
 - Press the "HOUR" button until the correct AM/PM hour is displayed for cycle #1 to turn 'Off'.
 - Press the "MINUTE" button until the correct minute is displayed for cycle #1 to turn 'Off'.

NOTE: The time set between on/off will determine how long the Chlorine Genie will run. For example: Cycle 1 'On' at 11:00 AM and 1 'Off' at 12:00 PM will set the unit to run for 1 hour.

5. Press the "CLOCK" button to exit the programming mode and save the run schedule.
6. Press the "SELECT" button to move the black Indicator Bar until it is above the word "AUTO".

NOTE: The "AUTO" setting will automatically turn the unit On/Off per the configured cycle 1.

SET ADDITIONAL CYCLES:

- Timer can be configured with 8 different cycles in a 24-hour period. If more than 1 cycle needs to be configured, repeat steps 3-5 to configure cycles 2-8.
- To review all cycles on the program, press the "TIMER" button to scroll through each cycle ('On' and 'Off' times). Press the "TIMER" button 16 times to go through all possible settings: 8 cycles, 2 settings (On/Off) per cycle.

CHANGE CYCLE CONFIGURATIONS:

- Press the "TIMER" button until the cycle needing to be changed appears.
- Set new 'On' or 'Off' time (per steps 3-4).
- Press "CLOCK" to save new cycle On/Off time.
- Press the "SELECT" button to move the black Indicator Bar until it is above the word "AUTO".

DELETE A CYCLE CONFIGURATION:

- Note: If any run schedule needs to be deleted, the entire Time Clock will need to be reset.
- Press the small, round button on the right side of the Time Clock.
- The time, and all run cycles, will be deleted - repeat steps 2-6 to set the time and reconfigure the run cycles.



STEP 14:

HOW TO OVERRIDE THE RUN SCHEDULE

- The override function is designed for one-off events (cell cleaning, water flow checks, miscellaneous maintenance), allowing the unit to be turned on/off while leaving the system on "AUTO".
 - The "AUTO" setting ensures that the scheduled cycles will run automatically, even if the unit is turned on/off via the override function.
 - The "ON" setting turns the unit on and it will remain on. The scheduled cycles will not run if the unit is set to "ON".
 - The "OFF" setting turns the unit off and it will remain on. The scheduled cycles will not run if the unit is set to "OFF".
- To override while the system is set to "AUTO":
 - Press the "OVR." button.
 - If the system was running, it will turn off. If the unit was not running, it will turn on.
- Resume the unit's scheduled run cycles:
 - Press the "OVR." button.
 - Locate the black Indicator Bar, it should still be above "AUTO". If not, press "SELECT" to move the Indicator Bar to "AUTO".

NOTE: If you forget to undo the override, the unit will still turn on/off per the configured cycles if the system is still on "AUTO".

EXAMPLE:

Cycle #1 is set to "ON" at 9 AM and "OFF" at 2 PM.

The "OVR." button is pressed at 6 AM and the unit is turned on.

The unit skips the 9 AM 'ON' cycle but executes the 2 PM "OFF".

The unit will run from 6 AM – 2 PM.

STEP 15:

ENSURING THE UNIT IS OPERATING PROPERLY

- Plug the unit into a 110-120 Volt GFCI Outlet.
- Turn the pool pump on.
- Set the Amperage Adjustment Knob on the front of the Power Supply Cabinet halfway between the “High” and “Low” position.
- Press the “OVR.” button on the Time Clock to turn the Chlorine Genie on.
- The Amperage Meter should read approx. 5-10 amps and the Actuated Ball Valve will open.
- The Amperage Meter should read 15 amps after approximately 30 minutes as brine concentration increases.

NOTE: A number of variables can cause a slower-than-expected increase in amperage. If amperage is not settling at the recommended setting (15 amps), use the Amperage Adjustment Knob to increase/decrease amperage until the Amperage Meter reads 15 amps.

- Locate the Straight Fitting on top of the P-Trap (to the right of the Anti-Scale Filter Housing).
- Unscrew and unplug the tube from the straight fitting.
- Verify water flow – within a minute of turning the unit on, there should a small stream of water flowing out of the tube.

NOTE: If water is flowing, plug the tubing back into the fitting and tighten securely. If water is not flowing, verify that the unit is on and check the incoming water connection per Step 5 of this manual.



POST INSTALLATION

UNDERSTANDING THE HOUR METER

- The Hour Meter records the Operating Hours of the Chlorine Genie unit.
- Operating Hours of the Chlorine Genie determines the warranties of the Chlorine Genie parts.
- The Hour Meter cannot be configured or reset. Tampering with the Hour Meter will void the Chlorine Genie's Warranty.
- The Hour Meter is not used for configuring run schedules.

For part warranties, please refer to the RT30 User Manual, visit ChlorineGenie.com, or contact Support for more information.

CHEMICAL BALANCE RECOMMENDATIONS

NOTE: After installation, it may take a few days for the chemicals in the pool to become balanced. Below are the typical readings that should be returned when testing the pool water.

Amperage: 15-20 amps

Chlorine: 1-3 ppm

Stabilizer: 40-60 ppm

pH: 7.4 ppm

Total Alkalinity

Plaster pool: 80-120 ppm

Fiberglass pool: 150-200 ppm

FREQUENTLY ASKED INSTALLATION QUESTIONS:

HOW DO I ADJUST CHLORINE LEVELS USING THE CHLORINE GENIE?

ALWAYS adjust chlorine levels by the amount of time the unit runs, NOT the Amperage Adjustment Knob. The amount of chlorine needed to maintain the proper chlorine level in the pool varies from pool to pool. The longer the Chlorine Genie runs per day, the more chlorine it will produce. Usually, setting the Time Clock to come "On" and "Off" once per day is sufficient. For more information regarding the usage of the Amperage Adjustment Knob, refer to the RT30 User Manual.

HOW DOES TESTING FOR WATER HARDNESS AFFECT THE INSTALLATION?

Water hardness does not affect installation. However, water hardness affects post-installation maintenance and needs to be measured at the time of installation to develop a schedule to clean the Chlorine-Generating Cell. While the Reverse Osmosis (RO) Cartridge removes hardness from water to prevent calcium depositing into the pool, those deposits still remain inside the Chlorine Genie. Those contaminants produce calcium desposits, which build up on the Chlorine-Generating Cell and reduce the unit's ability to produce sufficient chlorine. Please refer to the RT30 User Manual for instructions on how to clean the cell and recommended cleaning frequency.

IF THE POOL BEGINS WITH TOO HIGH OR LOW CHLORINE LEVELS, DOES IT AFFECT INSTALLATION?

No, it is possible to re-balance the chlorine levels by adjusting the Chlorine Genie run schedule:

Chlorine levels too high: set the unit's run schedule to be shorter than planned. The fewer hours the Chlorine Genie runs, the less chlorine will be added to the pool. Once the chlorine levels are balanced, increase the run time of the unit to a schedule that stabilizes chlorine levels.

Chlorine too low: set the unit's run schedule to be longer than planned (but not longer than the pump runs). The more hours the Chlorine Genie runs, the more chlorine will be added to the pool. Once the chlorine levels are balanced, decrease the run time of the unit to a schedule that stabilizes chlorine levels.

WHY IS THE pH DISCHARGE VALVE LEFT IN THE "CLOSED" POSITION AFTER INSTALLATION?

Immediately after installation, the pH inside the Brine Tank will be low (acidic). Closing the pH Discharge Valve allows the pH of the brine concentration inside the Brine Tank to rise to the appropriate level.

The Chlorine Genie does not automatically sense pH, but can be configured (via the pH Discharge Valve) to maintain the pool's pH level. It is the pool owner's responsibility to monitor pH of the pool water - refer to the RT30 User Manual for more details on pH control. As a simple guide, review the recommendations below:

- If pool pH is too low (below 7.2 ppm): pH Valve should be closed
- If pool pH is too high (above 7.8 ppm): pH Valve should be open



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