

Your Prescription for Crystal Clear Water™



Electronic Chlorine Generator Installation & Operation Manual



Millstream
Distribution LLC

Millstream Distribution LLC

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IMPORTANT SAFETY INSTRUCTIONS

When using electrical equipment, basic safety precautions should always be exercised, including the following:

READ AND FOLLOW ALL INSTRUCTIONS

- Disconnect all AC power during installation.
- Do not permit children to use this product.
- A green colored screw is located inside the wiring compartment, against the back panel. To reduce the risk of electric shock, this terminal must be connected to the grounding means provided in the electric supply service panel with a continuous copper wire equivalent in size to the circuit conductors supplying the equipment.
- One bonding lug for US models (two for Canadian models) is provided on the external surface. To reduce the risk of electric shock, connect the local common bonding grid in the area of the swimming pool, spa, or hot tub to these terminals with an insulated or bare copper conductor not smaller than 8 AWG US/6 AWG Canada.
- All field-installed metal components such as rails, ladders, drains, or other similar hardware located within 10 feet (3 meters) of the pool, spa or hot tub shall be bonded to the equipment grounding bus with copper conductors not smaller than 8 AWG US/ 6 AWG Canada.

SAVE THESE INSTRUCTIONS

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OPERATION

The HydroSalt™ is an automatic chlorine generation system for pool & spa sanitation. The operation requires a low concentration of salt (sodium chloride) in the pool water at levels low enough that it normally cannot be tasted. HydroSalt™ automatically sanitizes your pool by converting the salt into free chlorine, which kills bacteria and algae in the pool through a process called electrolysis.

HydroSalt™ is designed to handle the purification needs of the average residential swimming pool up to 40,000 gallons (150,000 liters). The actual amount of chlorination required to properly sanitize a pool varies depending upon bather load, rainfall, air temperature, water temperature, pool's exposure to sunlight, pool's surface, and cleanliness.

Note: It is not recommended using the HydroSalt™ to generate Bromine.

If your pool has natural stone as coping or decking, please check with a stone installation specialist for the maintenance of the stone before installing the HydroSalt™ Chlorine Generator.

WATER CHEMISTRY

As with any pool, it is important that you maintain proper water chemistry of the pool water, including pH, alkaline content, and calcium levels. The only special requirement for HydroSalt™ is to maintain proper levels of salt and stabilizer. It is important to maintain these levels in order to prevent corrosion or scaling and to ensure maximum enjoyment of the pool. Test your water periodically. It is recommended that pool water be professionally tested a minimum of twice per season. Your local pool store can provide you with the chemicals and procedures to adjust the water chemistry. Be sure to tell the pool store that you are using a salt chlorine generator.

Note: Pool water chemistry must be in balance before using HydroSalt™ chlorine generator.

IDEAL CHEMICAL LEVELS

Salt	2700 to 3400 ppm
Free chlorine	1.0 to 3.0 ppm
pH	7.2 to 7.6
Cyanuric Acid (Stabilizer)	50 to 100 ppm
Total Alkalinity	80 to 120 ppm
Calcium Hardness	200 to 400 ppm
Metals	0 ppm
Saturation Index	-.2 to .2

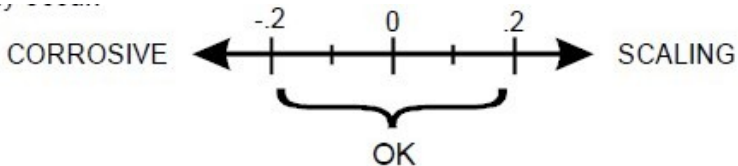
Saturation index

The saturation index (Si) relates to the calcium and alkalinity in the water and is an indicator of the pool water "balance". Your water is properly balanced if the Si is $0 \pm .2$. If the Si is below -0.2 , the water is corrosive and plaster pool walls will be dissolved into the water. If the Si is above $+0.2$, scaling and staining will occur. Use the chart below to determine the saturation index.

$$\mathbf{Si = pH + Ti + Ci + Ai - 12.1}$$

<u>°C</u>	<u>°F</u>	<u>Ti</u>	<u>Calcium Hardnedss</u>	<u>Ci</u>	<u>Total Alkalinity</u>	<u>Ai</u>
12	53	0.3	75	1.5	75	1.9
16	60	0.4	100	1.6	100	2.0
			125	1.7	125	2.1
19	66	0.5	150	1.8	150	2.2
24	76	0.6	200	1.9	200	2.3
			250	2.0	250	2.4
29	84	0.7	300	2.1	300	2.5
34	94	0.8	400	2.2	400	2.6
			600	2.4	600	2.8
39	103	0.9	800	2.5	800	2.9

How to use: Measure pool pH, temperature, calcium hardness, and total alkalinity. Use the chart above to determine Ti, Ci, and Ai from your measurements. Insert values of pH, Ti, Ci and Ai into the above equation. If Si equals 0.2 or more, scaling and staining may occur. If Si equals -0.2 or less corrosion or irritation may occur.



SALT LEVEL

Use the chart below to determine the amount of salt needs to be added to reach the recommended levels. Use the equations below to determine the size of your pool.

Calculating Liters	
Rectangular Pools	$\text{Length} \times \text{Width} \times \text{Average Depth} \times 1000$
Oval Pools	$\text{Length} \times \text{Width} \times \text{Average Depth} \times 893$
Round Pools	$\text{Diameter} \times \text{Diameter} \times \text{Average Depth} \times 785$

Calculating Gallons	
Rectangular Pools	$\text{Length} \times \text{Width} \times \text{Average Depth} \times 7.5$
Oval Pools	$\text{Length} \times \text{Width} \times \text{Average Depth} \times 6.7$
Round Pools	$\text{Diameter} \times \text{Diameter} \times \text{Average Depth} \times 5.9$

- The ideal salt level is between 3,000-4,000 ppm. (parts per million) with 3,400 ppm being the optimal level. Calculate the number of gallons in the pool and add salt according to the chart on page 9.
- A LOW salt level will reduce the efficiency of the HydroSalt™ and result in low chlorine production.
- Excessively HIGH salt levels will cause the HydroSalt™ to shut down, making pool water unsafe for bathers. LOW salt levels can cause the HydroSalt™ not to operate efficiently, causing the same.

Type of Salt to Use

Use evaporated, granular non-iodized salt (sodium chloride). The purer salt (at least 99%) can improve the life and performance of the electrolytic cell. Water softening salt (also called water conditioner) is also acceptable. Granules are an economical way to buy large amounts of salt. However, only NaCl salt with a purity of at least 99% can be used. The pill is a compressed form of evaporated salt and may take longer to dissolve. Avoid using salt with an anti-caking agent, which may cause discoloration.

How to Add or Remove Salt

- IN GROUND POOLS: Turn the filter pump on and add the salt directly into the pool at the shallow end.
- ABOVE GROUND POOLS WITH MAIN DRAINS: Add directly in front of the return jet to pool. Run the filter pump for 24 hours with the suction coming from the main drain (use the pool vacuum if there is no main drain) to allow the salt to evenly disperse throughout the pool.
- ABOVE GROUND POOLS WITHOUT MAIN DRAINS: Add directly into the pool. Brush the salt to speed up the dissolving process—to not allow the salt to sit in a pile on the bottom of the pool. -----ELIMINATE THE FOLLOWING--(Run the filter pump for 24 hours with the suction coming from the main drain (use the pool vacuum if there is no main drain) to allow the salt to evenly disperse throughout the pool).

ON ANY POOL, DO NOT ADD SALT DIRECTLY TO THE SKIMMERS OR DIRECTLY ONTO THE MAIN DRAIN. THIS WILL SHUT DOWN OR SHORTEN THE LIFE OF THE CELL DUE TO HIGH SALT CONCENTRATION AND REDUCED FLOW TO THE PUMP.

If added incorrectly, immediately turn off HydroSalt™ for 24 hours with the pump and filter operating. This will help to evenly distribute the salt. The salt display may take 24 hours to respond to the change in salt concentration.

SALT DOES NOT EVAPORATE FROM POOL

The only way to lower the salt concentration is to partially drain the pool and refill with fresh water.

POUNDS and (Kg) OF SALT NEEDED FOR 3400 PPM

Gallons and (Liters) of Pool/Spa water

Current salt level ppm	6,000 18,000 (22,500) (67,500)	8,000 (30,000)	10,000 (37,500)	12,000 (45,000)	14,000 (52,500)	16,000 (60,000)	
0	180 (82)	239 (109)	301 (136)	360 (163)	419 (190)	481 (218)	540 (245)
200	170 (78)	226 (103)	284 (129)	340 (154)	396 (180)	454 (206)	510 (232)
400	160 (73)	213 (97)	267 (121)	320 (145)	373 (170)	427 (194)	480 (218)
600	150 (69)	200 (91)	250 (114)	300 (136)	350 (159)	400 (182)	450 (205)
800	140 (64)	187 (85)	233 (106)	280 (127)	327 (148)	373 (170)	420 (191)
1000	130 (59)	173 (79)	217 (98)	260 (118)	303 (138)	347 (158)	390 (177)
1200	120 (55)	160 (73)	200 (91)	240 (109)	280 (127)	320 (145)	360 (164)
1400	110 (51)	147 (67)	183 (83)	220 (100)	257 (117)	293 (133)	330 (150)
1600	100 (46)	133 (61)	167 (76)	200 (91)	233 (106)	267 (121)	300 (136)
1800	90 (41)	120 (55)	150 (68)	180 (82)	210 (95)	240 (109)	270 (123)
2000	80 (36)	107 (48)	133 (61)	160 (73)	187 (85)	213 (97)	240 (109)
2200	70 (32)	93 (42)	117 (53)	140 (64)	163 (74)	187 (85)	210 (95)
2400	60 (27)	80 (36)	100 (45)	120 (55)	140 (64)	160 (73)	180 (82)
2600	50 (23)	67 (30)	83 (38)	100 (45)	117 (53)	133 (61)	150 (68)
2800	40 (18)	53 (24)	67 (30)	80 (36)	93 (42)	107 (48)	120 (55)
3000	30 (14)	40 (18)	50 (23)	60 (27)	70 (32)	80 (36)	90 (41)
3200	20 (9)	27 (12)	33 (15)	40 (18)	47 (21)	53 (24)	60 (27)
3400	Ideal	Ideal	Ideal	Ideal	Ideal	Ideal	Ideal
3600	OK	OK	OK	OK	OK	OK	OK

3800	OK	OK	OK	OK	OK	OK	OK
4000	OK	OK	OK	OK	OK	OK	OK
4200	High	High	High	High	High	High	High
4400	Dilute	Dilute	Dilute	Dilute	Dilute	Dilute	Dilute

STABILIZER (CYANURIC ACID)

Always test for stabilizer (cyanuric acid) level, when testing for salt. This test should be done at least once per month. Use the chart below to determine how much stabilizer must be added to raise the level to 80 ppm .

POUNDS and (Kg) OF STABILIZER (CYANURIC ACID) NEEDED FOR 80 PPM

Gallons and (Liters) of Pool/Spa water

Current Stabilizer Level(ppm)	6,000 (22500)	8,000 (30000)	10,000 (37500)	12,000 (45000)	14,000 (52500)	16,000 (60000)	18,000 (67500)
0 ppm	4.0 (1.8)	5.3 (2.4)	6.7 (3.0)	8.0 (3.6)	9.4 (4.3)	10.7 (4.9)	12.0 (5.4)
10 ppm	3.5 (1.6)	4.7 (2.1)	5.8 (2.6)	7.0 (3.2)	8.2 (3.7)	9.4 (4.3)	10.5 (4.8)
20 ppm	3.0 (1.4)	4.0 (1.8)	5.0 (2.3)	6.0 (2.7)	7.0 (3.2)	8.0 (3.6)	9.0 (2.2)
30 ppm	2.5 (1.1)	3.3 (1.5)	4.2 (1.9)	5.0 (2.3)	5.9 (2.7)	6.7 (3.0)	7.5 (3.4)
40 ppm	2.0 (.9)	2.7 (1.2)	3.3 (1.5)	4.0 (1.8)	4.7 (2.1)	5.4 (2.4)	6.0 (2.7)
50 ppm	1.5 (.7)	2.0 (.9)	2.5 (1.1)	3.0 (1.4)	3.5 (1.6)	4.0 (1.8)	4.5 (2.0)
60 ppm	1.0 (.5)	1.3 (.6)	1.7 (.8)	2.0 (.91)	2.4 (1.1)	2.7 (1.2)	3.0 (1.4)
70 ppm	0.5 (.2)	0.7 (.3)	0.8 (.4)	1.0 (.45)	1.2 (.54)	1.4 (.64)	1.5 (.68)
80 ppm	0.0	0.0	0.0	0.0	0.0	0.0	0.0

POLYMERS:

It is advised to use polymers (commonly sold as poly algaecide) on salt water sanitizing systems. The poly algaecide is sold in 30% and 60% concentrations.

Application rate is 1 quart of Poly30 (or ½ quart of Poly 60) per 15,000 gallons (60,000 liters) of pool water, per month. Apply directly in front of the return jet.

CONTROLS

MAIN SWITCH

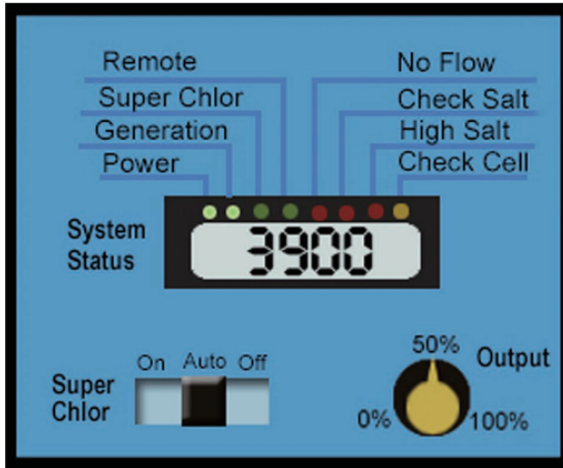
- **AUTO:** For normal operation, the Main switch should be left in the AUTO position. In this position the HydroSalt™ will produce chlorine according to the “Desired Level %” adjustment setting for the entire filtering / pumping cycle.
- **SUPER CHLORINATE:** When you have an abnormally high bather load, heavy rainfall, cloudy water conditions, or any other condition which requires that a large amount of purification be introduced, set the Main Switch in the SUPER CHLORINATE position. This electronically “super chlorinates” (shocks) the water for 24 hours (filter pump must be on during this time) or until the power has been turned off, whichever comes first. At the end of the super chlorination period, be sure to put the switch back into the AUTO position.
- **OFF:** The OFF position prevents the HydroSalt™ from energizing the electrolytic cell. In this position there is no chlorine generation.

NOTE: In times of servicing, the OFF switch is not to be used. To service the HydroSalt™, turn power off the circuit breaker.

DESIRED LEVEL ADJUSTMENT KNOB

This setting is used to control the amount of chlorine the HydroSalt™ generates. Adjust this setting to increase or decrease the chlorine output level. The reading is from 5 percent output to 100% output capacity of the HydroSalt™.

INDICATOR LED



- **POWER:** When illuminated, the HydroSalt™ has input power.
- **GENERATING:** Model in normal operation, the LED will be steady. If it is flashing, check the pool water.
- **SUPER CHLORINATE:** Illuminates during Super Chlorination. See description above.
- **REMOTE :** The part is controlled by a remote control system(**not available**).
- **NO FLOW:** When illuminated, the flow switch has detected no flow and HydroSalt™ is NOT generating chlorine. A flashing LED indicates that the flow is restored, but there will be a 60 second delay before generation is re-established.
- **CHECK SALT:** If flashing, the salt level is low (below 2500ppm) and HydroSalt™ is generating at low efficiency. When illuminated steady, the salt level is too low and HydroSalt™ has shut down.

Note: Before adding large quantities of salt, it is advisable to have your salt level professionally checked.

- **HIGH SALT:** When illuminated, the salt level is too high and HydroSalt™ has shut down. The pool water must be diluted with fresh water before operation is

restored.

- **CHECK CELL:**
- If flashing, either the cell efficiency is reduced or it is time for regularly scheduled cell inspection. In either case, inspect the cell and clean if necessary. Pressing the “diagnostic” button next to the display for 3 seconds will stop the flashing LED.
- When illuminated steady, cell efficiency is greatly reduced and HydroSalt™ has stopped producing chlorine. Inspect, clean or replace if necessary.

SALT DISPLAY

The Salt Display shows the current salt concentration of the pool water. Readings are in ppm (parts per million). If Metric units (grams per liter) are preferred, push the “diagnostic” button next to the display once. The display will now show the pool water temperature in degrees Fahrenheit. With the temperature displayed, move the main switch from AUTO to SUPER CHLORINATE to AUTO. The temperature display will instantly change to degrees Celsius. Repeat this process to switch back to USA units (Fahrenheit).

OPERATION

By familiarizing yourself with the operation of the HydroSalt™ generator, you can achieve maximum performance for your pool. When chemical levels are in the recommended range, there are FOUR factors that you can control which directly contribute to the amount of chlorine the HydroSalt™ will generate:

- Filter time each day (hours)
- The amount of salt in the pool
- The “Desired Level %” setting
- Stabilizer level in the water.

To find the optimum “Desired Level %” setting, start at a fairly high setting and work downward. It will take a few days of adjustments to find the ideal setting for your pool. Once determined, it should only take minor adjustments. The HydroSalt™ control will not produce chlorine at temperatures below 50°F. If your pool water is colder than 50°F, you

must chlorinate manually.

Maintaining the Rx Clear™ HydroSalt™ Chlorine Generator

To maintain maximum performance, it is recommended that you remove and visually inspect the cell every 3 months. The HydroSalt™ will remind you to do this by flashing the “Check Cell” LED after approximately 500 hours of operation. After you inspect the cell (and clean, if necessary) press the small “diagnostic” button next to the display for 3 seconds to stop the flashing “Check Cell” LED and start the timer for the next 500 hour inspection period.

The HydroSalt™ electrolytic cell has a self-cleaning feature incorporated into the electronic control's logic. In most cases this self-cleaning action will keep the cell working at optimum efficiency. In areas where water is hard (high calcium and/or mineral content) and in pools where the water chemistry has gotten “out of balance”, the cell may require periodic cleaning. The “Inspect Cell” LED remains on after a thorough cleaning, the cell may be worn and may require replacement.

Servicing and Cleaning the cell

- Turn off power to the HydroSalt™ before removing the **CELL**.
- Once removed, look inside the cell and inspect for scale formation (light colored crusty or flaky deposits) on the plates and for any debris that has passed through the filter and got caught on the plates.
- If no deposits are visible, re-install. If deposits are seen, use a high-pressure garden hose and try to flush the scale off. If this is not successful, use a plastic or wood tool to scrape deposits off of the plates.
- **Note:** ****DO NOT USE A METAL SCRAPER AS THIS WILL SCRATCH THE FINISH AND DAMAGE THE PLATES.****
- Buildup on the cell indicates that there is an unusually high calcium level in the pool (old pool water is usually the cause). If this is not corrected, you will need to clean the cell more frequently. The simplest way to avoid this is to bring the pool chemistry to recommended levels, as specified.

Mild Acid Washing:

Use only in severe cases where flushing and scraping will not remove the majority of deposits. To acid wash:

- Turn off power to HydroSalt™.
- Remove cell from piping.
- In a clean plastic container, carefully mix a 4:1 solution of water to muriatic acid (one gallon of water to one quart of muriatic acid).

 **WARNING**  :

ALWAYS POUR ACID INTO WATER-NEVER POUR WATER INTO ACID.

BE SURE TO WEAR PROTECTIVE GLASSES, CLOTHING AND CHEMICAL RESISTANT GLOVES

- The level of the solution in the container should just reach the top of the cell so that the wire harness compartment is NOT submerged. It may be helpful to coil the wiring before immersing the cell.
- The cell should soak for FIVE minutes, then rinse with a high-pressure garden hose.
- If any deposits are still visible, repeat soaking and rinsing.
- Replace cell and inspect again periodically.

Winterizing

The HydroSalt™ electrolytic cell and flow detection switch will be damaged by freezing water, similar to other pool components that require proper winterization. In areas of the country that experience severe or extended periods of freezing temperatures, be sure to drain all water from the pump, filter, and supply and return lines before any freezing conditions occur. The electronic control is capable of withstanding any winter weather and

should not be removed.

Spring Start-up

DO NOT turn HydroSalt™ on, until the pool water chemistry has been balanced to proper levels.

INSTALLATION

WARNING

Before Installation, consult your state & county codes. Installation must be performed in accordance with local NEC codes.

Preparing Pool Water:

The pool's chemistry must be balanced BEFORE activating the HydroSalt™. It is recommended that you consult a pool professional for the initial balancing each season.

NOTE: At the beginning of each season, add metal remover and polymer based (non copper) algaecide to the pool, per manufacturer's instructions. This ensures a quick, trouble free transfer to the HydroSalt™ system.

Mounting the HydroSalt™ Control

The HydroSalt™ is contained in a rain tight enclosure that is suitable for outdoor mounting. The control must be mounted a minimum of 5 ft. (2 meters) horizontal distance from the pool/spa. The control is designed to mount vertically on a flat surface with the knockouts facing downward. Because the enclosure also acts as a heat sink (disperses heat from inside the box), it is important not to block the four sides of the control.

Do not mount the HydroSalt™ in a panel or tightly enclosed space.

Plumbing

Ensure that the HydroSalt™ installation does not constitute a cross connection with the local potable water supply. Consult local plumbing codes.

The cell and flow switch are plumbed in the return line to the pool. Install after (downstream) all the pool equipment (filter, heater, solar, etc.). The kit included in the HydroSalt™ provides the necessary plumbing components for:

- 2" (51mm) rigid PVC piping installation for in ground pools
- 1 1/2-1 1/4" (38-32mm) flexible hose connections for above ground pools

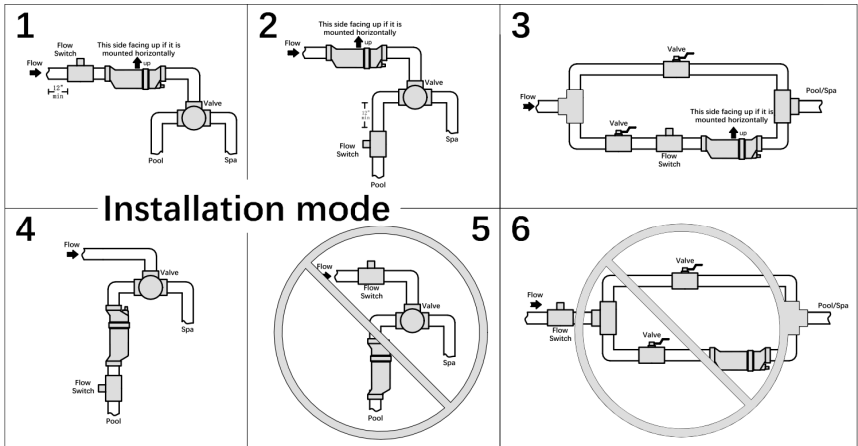
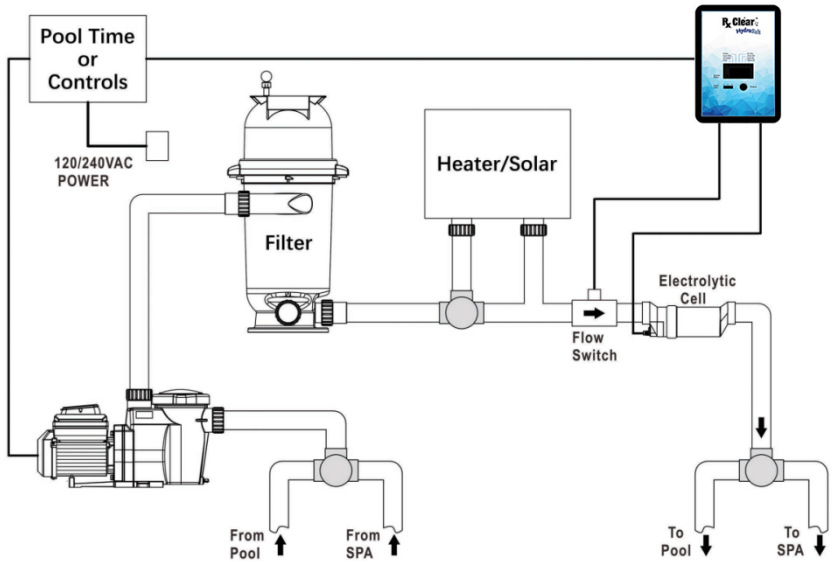
For proper plumbing, refer to the overview diagram on page 19.

Flow switch:

IMPORTANT: To insure proper operation, verify that the arrow on the flow switch (located on the side) points in the same direction of water flow. There must be 12" of a straight pipe run before the flow switch.

Electrolytic Cell:

Install using the unions provided. Tighten by HAND for a watertight seal. For pool/spa combination systems with spillover, use configurations #2 or #3 on page 18. Allow chlorination for both the pool and spa during spillover but preventing over chlorination when operating the spa only.



Wiring

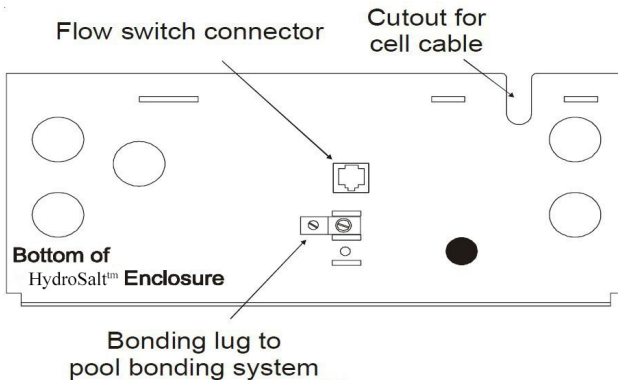
- Power must be turned off at the circuit breaker before performing any wiring. Be sure to follow Local and NEC electrical codes. To provide safe operation, the HydroSalt™ must be properly grounded and bonded.
- Input Power for stand-alone operation:
- Wire the HydroSalt™ to the LOAD SIDE of the filter pump timer. It is very important that the HydroSalt™ is powered only when the pump is running.
- Refer to the wiring label on HydroSalt™ as well as the diagram below to determine correct wiring connections. The HydroSalt™ is shipped from the factory with a 220V configuration. Until the jumpers are installed for the desired voltage, the unit should NOT be turned on.

Bonding:

A lug used for bonding is attached to the bottom of the HydroSalt™ enclosure (see diagram below). The HydroSalt™ must be bonded with an 8 AWG copper wire (6 AWG Canada) to the pool bonding system.

Electrolytic Cell and Flow Switch:

The electrolytic cell and flow switch cables are terminated with connectors that plug into the HydroSalt™ for easy attachment and removal. The door of the HydroSalt™ must be open to access the cell cable connector. The flow switch plugs into a connector (similar to a telephone jack) located outside, on the bottom of the enclosure. Refer to the diagram below for the location of these connections.



TROUBLESHOOTING

Diagnostic Displays

Sequential pushes of the small “diagnostic” button next to the LCD display will cause the HydroSalt™ to display the following information:

1. Pool temperature (xx degrees Fahrenheit or Celsius)
2. Cell voltage (typically 21.0 to 27.0 volts when chlorine is being generated, otherwise 16-25V)
3. Cell current (typically 2.50 to 7.80 amps when chlorine is being generated, otherwise 0 amps)
4. Desired Output% (“0P”—“100P”depending on knob position)
5. Instant salinity (-xxxx ppm or-x.xx grams/Liter)
6. Product name sent to the display
7. Software revision level
8. Cell type
9. Salt Calibration (E000)
10. End of the loop (-EE)

Displayed cell type must match installed cell to ensure proper operations (including salt calculation).

Common Problems and Solutions

1. “Power” LED not on

Check to make sure 120 / 240 VAC input power is connected to the control. Be sure the jumpers are set properly. Verify input voltage with a voltmeter. If there is input power, the fuse may have blown. The board is protected by a 20 amp mini ATO fuse located on the circuit board above the cell connector.

2. “Generating” LED flashing

The temperature of the pool water is too high or low to operate. You can override this by switching the main switch to SUPER CHLORINATE. The HydroSalt™ will run at maximum output for the remainder of the current pump cycle or 24 hours, whichever comes first.

3. "No Flow" LED illuminated or flashing

The HydroSalt™ has sensed a no flow condition and has stopped generating chlorine. Check that the flow switch is plugged into the connector on the bottom of the control unit and that the wire is not cut or damaged. Make sure you have at least 12" of straight pipe before the flow switch. If there is adequate flow and the LED is still on, check that the arrows on the flow switch (on top of hex) are pointing in the direction of flow. If the light is flashing, the flow is established and the HydroSalt™ will turn on within 1 minute.

4. "Check Salt" LED illuminated or flashing

Check salt level in pool/spa. If salt level is low, add salt according to chart on page 8. Before adding large quantities of salt, it is advisable to have your salt level professionally checked.

5. "High Salt" LED illuminated

Check salt level in pool/spa. If salt level is too high, lower salt level by draining some of the pool water out of the pool and replace with fresh water. Continue until the salt concentration is at recommended levels.

6. "Check Cell" LED flashing

Inspect and clean cell according to directions. (see page 12-14) When done, press the "diagnostic" button for 3 seconds to stop the "Inspect Cell" LED flashing.

7. "Check Cell" LED illuminated

Remove and inspect the cell for scale. If the cell is scaled, follow the directions on page 8 for cell cleaning. If the pool has the proper amount of salt and the "Inspect Cell" LED is still illuminated, the cell may be depleted and needs to be replaced.

8. Possible causes of low chlorine or no chlorine

- HydroSalt™ switch in OFF position.
- Desired Level% adjustment setting is too low.
- Low stabilizer (Cyanuric Acid). Chlorine is being produced but the pool water is unable to hold on to the chlorine, due to low stabilizer.
- Filter pump switched off or filter pump time too short (8 hours for average size pools, more for large pools).



Millstream
Distribution, LLC

Two (2) Year Limited Warranty

RxClear™ (HydroSalt™) is warranted to be free from defects in materials and workmanship, under normal use and non-commercial application, for a period of Two (2) years from date of purchase, per the schedule below. To obtain service, contact the authorized dealer from which the unit was purchased. Proof of purchase may be required. This limited warranty is extended exclusively to the original purchaser of the *HydroSalt™* system and is non-transferable. *HydroSalt™* is intended for residential pool use and any commercial application voids all warranties.

Two (2) year warranty for power cell and generating cell.

One (1) year warranty on components.

Exclusions from warranty coverage:

- Problems arising from failure to maintain proper water chemistry levels, per manufacturer's recommendations, as outlined in the Owner's Manual.
- Problems arising from failure to use *HydroSalt™* in accordance with manufacturer's recommendations, as outlined in the Owner's Manual.
- Problems resulting from tampering, accident, electrical surges, abuse, neglect, unauthorized or unqualified repairs, product alteration, fire, flood, freeze damage, acts of nature.
- Damage or degrading of concrete, natural stone, wood or synthetic surfaces adjacent to the swimming pool or spa.
- Problems or damages incurred due to improper installation and/or improper electrical supply.

Millstream Distribution LLC is not responsible for any labor charges, loss of water or any damages that may occur. The purchaser is responsible for all shipping and handling fees for the replacement and/or replacement parts covered by this warranty.

This Warranty provides the exclusive remedy for any damages, including direct, consequential, special or incidental loss or damage. This warranty gives you specific legal rights. You may have other rights, which may vary from state to state.