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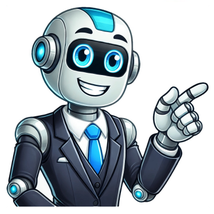

I have a hayward aqua plus controller which is not showing the proper salt levels; however, when I bring a water sample in the pool store - my salt level is correct. The controller is about 2000 PPM off so it is never producing chlorine. I have tried a new salt cell but the same result. Anyone experience this? Post the diagnostics information from your panel... Post the diagnostics information from your panel... Is the cell genuine Hayward or generic? You need to verify the actual salinity with two other reliable methods. I recommend that you get a K-1766. Check the cell for scale and clean if necessary. What are the first seven characters of the serial number of the cell? Attached is the board, I did not see any noticeable issue like shown on other boards. Am I overlooking anything? Is the cell genuine Hayward or generic? You need to verify the actual salinity with two other reliable methods. I recommend that you get a K-1766. Check the cell for scale and clean if necessary. What are the first seven characters of the serial number of the cell? Me Is the cell genuine Hayward or generic? You need to verify the actual salinity with two other reliable methods. I recommend that you get a K-1766. Check the cell for scale and clean if necessary. What are the first seven characters of the serial number of the cell? cell is clean, tried 2 other cells. What salinity reading are you getting with a K-1766 salt test kit? What are the first seven characters of the serial number of the cell? Is the cell genuine Hayward or generic? You need to verify the actual salinity with two other reliable methods. Are you sure that the cell is a T-15? Here is a picture of it. I do not have physical access to it though. I assume this is genuine? I have not tried another test kit. How old is the cell? You need to be really sure about the actual salinity. You need to test the salinity two more ways, including a K-1766 salt test. In my opinion, the salinity is low or the cell is failing. Bring a water sample and the cell to a store that tests cells and have them test the cell and the salinity. Page 2 You are using an out of date browser. It may not display this or other websites correctly.You should upgrade or use an alternative browser. Hello , This thread has been inactive for over 60 days. New postings here are unlikely to be seen or responded to by other members. For better visibility, consider Starting A New Thread. Welcome to TFP! For a wealth of pool care information please check out our free Pool School. If you are in need of specific help then we encourage you to Register and ask us here in the forum! I have a Goldline AquaRite basic panel. Since its install in January the average and the instant salt readings have been 3700 ppm and I know that this is incorrect. Well I cleaned my filters today, checked my cell which was spotless and reset my panel using the below procedures from Hayward/Goldline. The only thing I had to do after the reset is to run and monitor the panel for about an hour or so. I got low salt and check cell trouble lights come on a few times until the average salt reading was above 2700 ppm. To reset these light just push the black selector button in for 3 to 5 seconds and this will reset the trouble lights. After about an hour my readings were... Average 3200 and instant 3400 which is more in line with my tests. This also removes all past salt averages that may be in memory. Hope this helps you. How do I recalibrate my Aqua Riteâ„¢ Chlorine Generator? When attempting to recalibrate the average salt reading (default reading {2700-3400ppm}) the pump needs to be running. If the pump is not running, the system will show â€œNO FLOWâ€, if flashing this is just a warm up process and the unit is waiting for the water to begin moving through the cell to carry the chlorine out to the pool. Once flow is established the unit should begin to display the â€œPOWERâ€ & â€œGENERATINGâ€ lights solid green. Once this happens the cell has just engaged and is trying to measure the salt level. Press the diagnostic button once. The unit then gives the following: Default = what the unit thinks the salt level is due to an average of all previously recorded â€œinstant salt readingsâ€ from all of the different polarity changes since the system was installed, or since the last time the unit was recalibrated. First the unit reads the temp, then the voltage in the cell, then the amperage, then it will display the desired output percentage (where you have the dial set to), then next reading is the â€œinstant salt readingâ€, or what the cell thinks the salt level is right at that moment. Then it will show â€œAL-Xâ€, this just tells the technician what type of system they are working on (Aqua Riteâ„¢, Naturesoft, ectâ€¦), and then finally the software revision (r1.XX), this just tells the technician what to look for symptom wise, for instance a certain combination of lights. â€œLow/ check saltâ€ and â€œinspect cellâ€ are the most common lights and they are usually on together as the cell is saying itâ€™s not sure if the problem is in fact the salt or if it perhaps has a calcium build up. So you will see: Default temp voltage amperage desired output instant salt reading (comes up with a dash before the # to differentiate with default product code software revision back to default Now moving the slide switch from â€œAUTOâ€ to â€œSUPER CHLORINATEâ€ and then back to â€œAUTOâ€ on our control box is basically like pressing â€˜enterâ€™ on a computer. If the unit is reading 2700-3400PPM it is in the standard mode, if it reads 2.70-3.40, it is in the metric mode. If you need to change the reading, press the diagnostic button once to display the temperature. Then slide the switch up to â€œSUPER CHLORINATEâ€ for a few seconds, as long as the â€œSUPER CHLORINATEâ€ light illuminates, you can switch back, this should be instantaneous. This procedure will toggle between the two different settings. Also, using the same procedure, â€œAUTOâ€ to â€œSUPER CHLORINATEâ€ then back to â€œAUTOâ€ while showing the 5th reading (if it reads between -2700 up to -3400), the â€œInstant Salt Readingâ€, this will force the system to forget all of the previous readings and it will recalibrate its self to the new readings and should eliminate the error lights. If it does not, contact technical service at 908-355-7995 (Monday - Friday, 8:00 am - 5:00 pm) one of our techs will be able to assist you. The first step you should take is removing your salt cell by turning off power to the cell and removing the two unions on either side of it. Visually inspect the cell by looking through it. It should look very clean with no calcium deposits on it. If it is dirty you will have to acid wash it. If not we ahve to look elsewhere. The next step you will have to take if you find yourself with a clean cell is finding your real salt level. You can do this by purchasing a salt meter or salt water test strips, or take the more practical approach of visiting a local pool store with a water sample. Any good pool store will do computerized water testing and salt checks. If your salt reading is different from that of the pool stores we will recalibrate your cell to the pool stores reading. In order to do this you should have your pump running and power on to your salt system. Flip the switch on your box first to off then to the auto setting. Press your black diagnostic button 5 times. This will begin scrolling through numbers shortly. When the scrolling numbers reach the salt reading your pool store gave you flip the switch to super chlorinate. Your display will show you the salt reading you have locked into for calibration. You may have to repeat this several times to lock yourself into the correct number. This will recalibrate your salt cell. Hope this helps and be sure to tell me what happens. If that doesnt fix it you will have to contact hayward in order to get a warranty center out there. You cant do much more diagnostic without parts to change. It usually comes down to a problem with the cell or the PCB board if this doesnt work. Act quickly because you only have a 1 year warranty. Thanks, Matt I have an aqualogic PS-8 controller with salt cell attached are there similar instructions for recalibrating. My cell reads anywhere from 300 to 600 different than both salt strips and when I have tested at the pool store. Goldine has told me this is acceptable? Thanks. 18k pebbletec w/ spill over spa 3 tristar pumps (2-1.5hp, 1-2hp) Pro-Grid DE6020 H-Series Induced Draft Low Nox Heater 400 k BTU Aqua Logic Combo Kit PS-8, salt cell, w/ AquaPOD Silencer Blower (2hp) The procedure does not really 'recalibrate' the cell. It just erases the average chlorine memory. With the Aqualogic it's much easer. Go to diagnostics menu, hit right arrow until you see 'instant salt' (or 'instant minerals', depending on how your unit is set up), and then hit the + to save the new setting and erase the old memory. It won't affect the instant salt readings you are getting but will change the average salt reading. That means if you instant salt reading is off when compared to a different salt test it will still be off. It is normal for the Goldline units to be off as much as 600 ppm from a chemical test because they are measuring conductivity and not chloride ions. The older units were not temperature compensated so that could introduct another error when compared to a temperature compensated meter. It is acceptable. Occasionally the salt level on the Hayward Aqua Rite may not match the actual salt level of the pool. If the salt cell is clean but the salt reading is off, the Aqua Rite will need to be recalibrated. The following steps will provide a guide on how to recalibrate a Hayward Aqua Rite.Click Here to View Replacement Aquarite Parts Step by Step Top Hello! My aqua rite hasn’t been working for a while (old cell) so I got a new one and am unable to calibrate the salt level. It errors with high salt/check cell and shows 4500 but it’s actually at 2700. I have found info online for calibrating but it doesn’t work. I go from off to auto (clicks immediately) and then diagnostic 5 times. But it never counts down. I made sure it’s set for the right t-15 cell. One other strange thing is the firmware shows r015. But we replaced the pcb board in 2017. Here are a couple screenshots. Any idea what is wrong? Thanks! Welcome to TFP. This is the basic information we need to know in diagnosing a problem: Report all readings when you.. Move the switch from auto to off and check all of the readings. Move the switch back to auto and recheck the readings. Move the switch to off for a minute and then back to auto and recheck the readings. What are the first seven characters of the cell and box serial numbers? What is the actual salinity and how are you measuring it? Thanks! Readings: 1. Auto to Off 4400 080 31.0 0.00 70p -0000 AL-0 r015 t-15 2. Back to Auto 4400 080 21.1 8.32 70p -6900 AL-0 r015 t-15 3. Off, 1 min wait, auto: 4400 080 21.3 8.52 70p -6800 AL-0 r015 t-15 Serial of Aqua Rite Box: 3A13009 I don't have a serial of the cell, but it's an aftermarket one from Amazon: I used test strips for the salt test. This morning it was 2100. I did add more bags to get it up to the target 3400. I haven't yet tested but it should be around 3000ish. Thanks. You're over 8 amps. So, the salinity is probably way too high. The strips are wrong. You need a K-1766 salt test kit. The cell and circuit board are not genuine Hayward, so the quality is questionable. In any case, you need to lower the salinity. I am not sure the salinity is that high. I started with fresh water this season and have been dumping bags slowly. It was showing high salt even when I was testing around 1200. This is my first year doing maintenance myself. I did not realize an aftermarket pcb was in there. Maybe that explains the weird r015 firmware version? Would the next step be to replace the pcb ? The next step is to confirm the actual salinity. You need a K-1766 or a calibrated meter. Make sure that the salt that was added is well mixed by brushing the pool thoroughly several times. I agree with James. Your mainboard is a non-OEM made by Lemonpool. The sw r105 is indeed quite intriguing to me. I have no experience with aftermarket AQR pcb but try to reseat the display bd. Thanks. I will get a better salt test kit. Interestingly, my chlorine levels seem to be OK. So i guess it is working. My CYA is 0. I don’t think that is related? Going to address that today. Thanks. The Hayward shuts down at 8.0 amps. I don't know what amp level this board uses. The thermistor looks like it might be developing a crack. So, you should get a new thermistor to replace it. Thanks. I will get a better salt test kit. Interestingly, my chlorine levels seem to be OK. So i guess it is working. My CYA is 0. I don’t think that is related? Going to address that today. Thanks. If you are curious if it is generating, right after you turn it on they usually start with a generation cycle. try taking a sample of water from the return with a tube and test it for Cl compared to a test from the pool itself. Thanks everyone. Could a bad thermistor cause the malfunction where it doesn’t do the countdown to let me recalibrate the salt level? You can't recalibrate the Aquarite. If it's working, the amps and instant salinity will be good. The percentage setting determines how long the cell generates. The cycle is 180 minutes. At 50%, it will generate for 90 minutes and then it will be off for 90 minutes. Then, a new cycle will begin. During the off part of the cycle, the amps and instant salinity will be zero. During the on part of the cycle, the amps and instant salinity should show a good reading. The Generating light stays on the whole time even when it's not actually generating. Last edited: Jun 12, 2020 From what I can see your aftermarket board appears to be this one available from Inyo (and I sure others). If you review the manual for this board it appears that the recalibration instructions are different from what you did. Resetting the average salinity doesn't make any difference in this case. It's not "recalibrating", it's merely updating the average salinity to match the instant salinity. What matters is if the cell is generating according to the percentage setting. If it is, you're fine. If it's saying high salt, you need to reduce the salinity. In any case, you need to get another good salinity test to be sure. Reactions: mguzzy To calibrate the salt reading on a Hayward AquaRite, first ensure the salt cell is clean. Slide the main switch from “Auto” to “Off” while the pump is running, then switch back to “Auto”. Press the diagnostics button five times to display instant salinity. The number on the display will start high and begin to go down.If the salt level on the Hayward AquaRite does not match the actual salt level of the pool, the system requires calibration. Use a reliable salt water test kit to determine the salt level in the water. If the test strip results do not match the AquaRite readings, the system requires calibration.This video provides a step-by-step guide on re-calibrating salt readings on a Hayward AquaRite Salt Generator. The video describes the Display Readings on a Hayward Aqua Rite Salt Chlorine Generator (SCG) and links to a series of guides that tell you to adjust or recalibrate some of these values, including average.With the pump running, move the main switch from “Auto” to “Off” and then back to “Auto”. Wait for approximately 10 – 15 seconds for a click inside the panel. With the filter pump running, switch the Controller power switch down to the “Off” position and back up to “Auto”. You should hear a click within 10 or 15 seconds. How To: Recalibrate the Salt Level on a Hayward Aqua RiteOccasionally the salt level on the Hayward Aqua Rite may not match the actual salt level of the pool. If the salt cell is clean but the …Read also: Is Wonder Woman Immune To Magic? Recalibrating an Aquarite Salt Chlorine GeneratorGoldline / Hayward AquaRite Replacement T-Cell – AquaRite Replacement Parts – …(Image Source: Pixabay.com) I have seen how to calibrate a Aqua Logic but can you calibrate an Aqua Rite? There is nothing in the instructions about it "How to Recalibrate? Move the switch to the Auto position. If the switch is already in the Auto or Super Chlorinate position, move it to Off then back to Auto. Wait for the relay to click, then push the diagnostics button 5 times to the instant salt level with the minus sign in front. Wait for the instant salt level to stop moving lower, make sure it is within the range of 2700-3400, then move the switch up to Super Chlorinate then back down to Auto. This saves the instant salt level reading as the new default which, in effect, recalibrates the unit to be able to run normally and chlorinate the pool. " Hope this helps. ok i have the same issue's On my auqarite the instant salt reading is consistantly lower than the test strips say. Like 500ppm lower. I have tried this rest/ cal method, but the unit still reads lower than actual. I have a new cell and flow switch installed this year so I know it's not the sensor or cell. any resolusion on this issue or just live with it and check salt by strips instead? for instance, checked today aquarite instant = 3200 salt test strips = 3730 is there a trim port that can be adjusted to calibrate the unit instead? Or if your water temperature is still cold (below 65 degrees), the unit will give you a false low salt reading. Rely on your test result and do not oversalt your system. With the Aquarite, oversalting your pool will require you to drain/dilute, refill and rebalance the water. When you run your test, are you able to get the Cell Amps and Volts? These figures reveal quite a bit of your operating conditions. Hayward should be able to provide the normal operating amps and volts. Or if your water temperature is still cold (below 65 degrees), the unit will give you a false low salt reading. Rely on your test result and do not oversalt your system. With the Aquarite, oversalting your pool will require you to drain/dilute, refill and rebalance the water. When you run your test, are you able to get the Cell Amps and Volts? These figures reveal quite a bit of your operating conditions. Hayward should be able to provide the normal operating amps and volts. Or a member here with the "Field Service Manual" (I'm looking at mine right now) BTW - Sean, how are the pups? Good to see you again! :-D The so called "Calibration" for Goldline units is not really a calibration at all. The only thing is does is replace the average salt level with the instaneous salt level. Nothing more. The salt level reading in these units is based upon the volts, amps and temperature readings. This is basically the same way a TDS meter works. It measure the conductivity of the water and then infers the salt level based upon a formula. So if fact, you are really measuring TDS and not salt level which is one of the reasons why the units tend not to be too accurate for salt levels depending on the other solids in the water. Also, they want to make sure there is enough salt in the water so I believe that they put an offset in the reading to account for other dissolved solids which is why the unit usually reads on the low side if you happen to have low dissolved solids other than salt. In today’s episode of Poolside Chat, Rob and Matt tackle another common swimming pool question: How do I recalibrate my Hayward Aquarite salt chlorine generator? Do I need to adjust anything in the Hayward Aquarite control box when I replace the cell? There are a couple of adjustments that may need to be made. The first is the setting of the cell type. The TurboCell you are installing must match the turbo-cell selected in the control box. For example, if you are installing a T-Cell 15, it should read T15 on the display screen. If the incorrect cell is chosen, the salt level, amperage, and voltage will not be correct and the system will turn the chlorinator off. To check the cell type on your panel, you’ll need to press the diagnostics button until the T# appears. If it matches, you are good to go. If not, you’ll need to switch the cell setting. There are three simple steps required to switch the cell setting. Slide the main switch to the auto position. Push the diagnostic button until a T number appears on the display. Move the main switch from auto to super chlorinate and back to auto. Repeat the third step until the T number on the display matches the T number on your cell. The other adjustment required will be resetting the average salt level. This is a straightforward two-step process. Press the diagnostics button five times to display the instance salt level. It will look like a negative number but that dash just means that it is the instant salt level. Wait for the number to stop moving. Move the main switch from auto to super chlorinate and back to auto. At this point, the average salt level is set and your system is ready to get back to work. If you have any questions, leave a comment down below or contact us at INYOpools.com. Thank you for joining us. My SWG is acting up - salt reading way low - and I will post a specific question on how to calibrate it. I had added too much salt before I manually checked it with test strips. Its back to 3000 ppm now (manual testing) but the SWG reading is 1200. I have always been diligent about keeping it clean. There is no scale now, nor has there ever been. I am hopeful that recalibration will do the trick, but need instruction in how to calibrate it. Thanks in advance for your reply! when i have problems wih goldline controls i call the 800 number in the control panel and they usually are on the money It isn't really a calibration but it simply replaces the average salt level with the instantaneous level. Here is the procedure but the SWG must be in the running mode Go to the diagnostic menu Press right button to show the cell display menu (if not running, press +) Press right button again until it shows the "Instant Salt" Press the + button, this will replace the average with the current salt level Thanks Mark. That works for about up one day, then it starts reading low again and shuts down the chlorine generation. Given that you recently added/removed salt, the fluctuations could be due to uneven mixing of the salt. It might take a couple of days to fully mix up so you might just watch it over the next couple of days. However, a failing cell usually reads low salt levels. How long have you had the cell? Test strips have been known to give low readings at times. For example on my pool, the SWCG reads 3000 ppm and the salt test strips read above 3600 ppm. You might try and find a pool store that can check salt levels for a third data point. For example if the store gets a reading of 1200 (or near it) then I suggest you are running into issues with the salt test strips.