

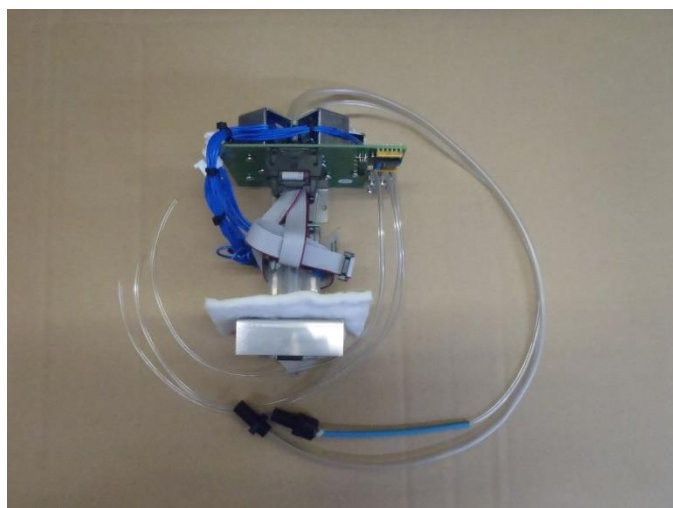


INSTALLATION PROCEDURE FOR PURESILK CHROMATALYZER ANALYSER TEST ASS"Y COMPLETE

PART # 32558-T

To view this guide as a YouTube video format
Watch below in order at <https://goo.gl/TJMm2g>

1. Removal of old analyser
2. Installation of new analyser
3. Calibration of new analyser



CAUTION: THE TEST ANALYSER ASSEMBLY WILL BE FIXED TO A PIECE OF CARDBOARD FOR TRANSPORT. PLEASE CUT SECURING CABLE TIES CAREFULLY



You will require the following:

- #2 Philips head screw driver or cordless drill driver
- Long nose pliers.
- 3mm flat headed screwdriver
- Light adhesive material. Example low strength glue or nail polish.
- Waste line assembly with blockage protection Part # 33520

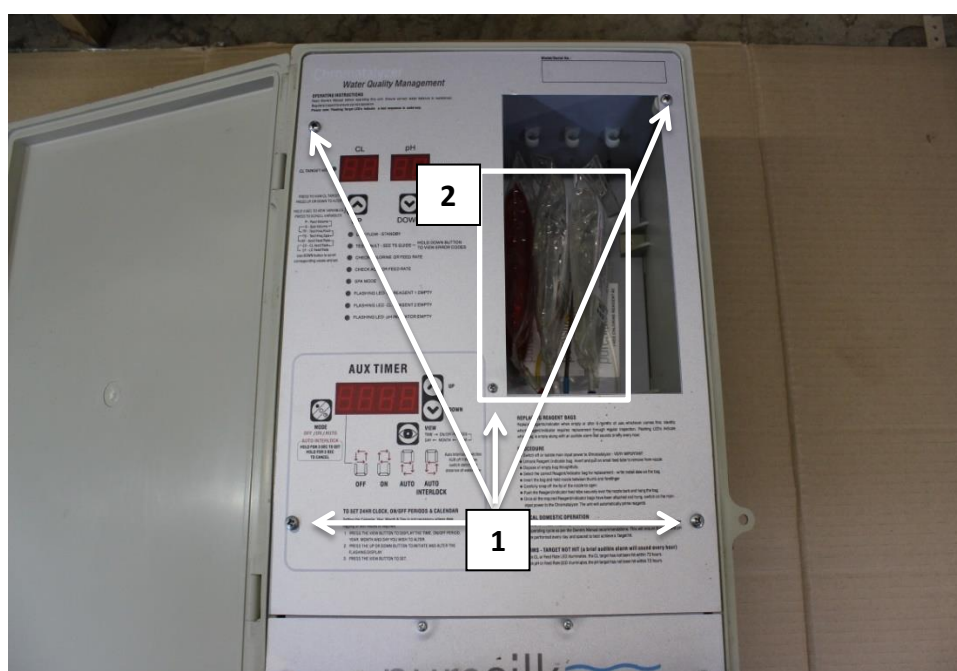
There are 3 parts to the process that must be followed in order.

1. Removal of old analyser - <http://youtu.be/KmtbdqH1ELE>
2. Installation of new analyser – <http://youtu.be/zEylkwgvuf0>
3. Calibration of new analyser – <http://youtu.be/W8keMylZDHs>

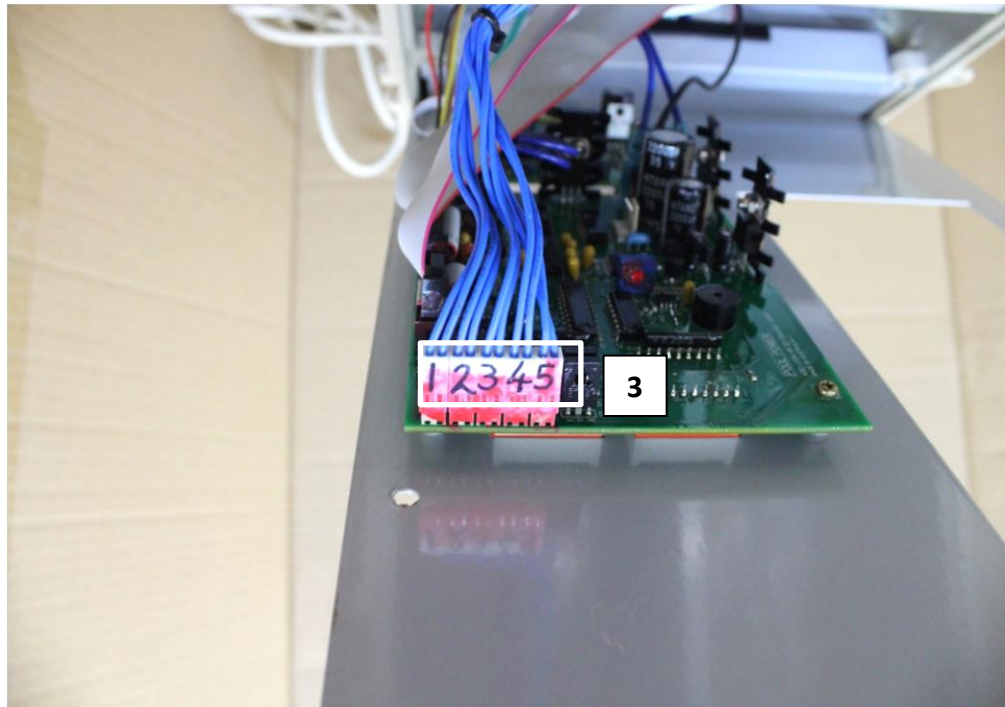
Removal of old analyser

CAUTION: TURN PURESILK CHROMATALYZER POWER OFF AND DISCONNECT 240V POWER LEAD FROM SOCKET BEFORE BEGINNING

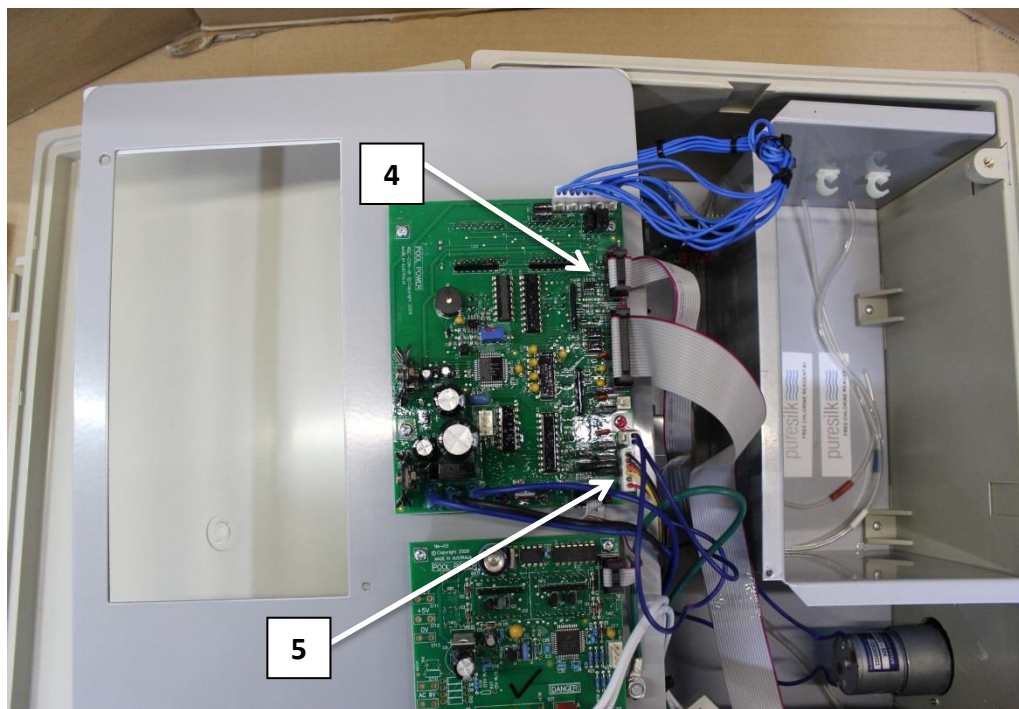
1. Remove 5 securing screws from front panel (four M4x8mm one M3x6mm).
2. Disconnect reagents bags and put aside.



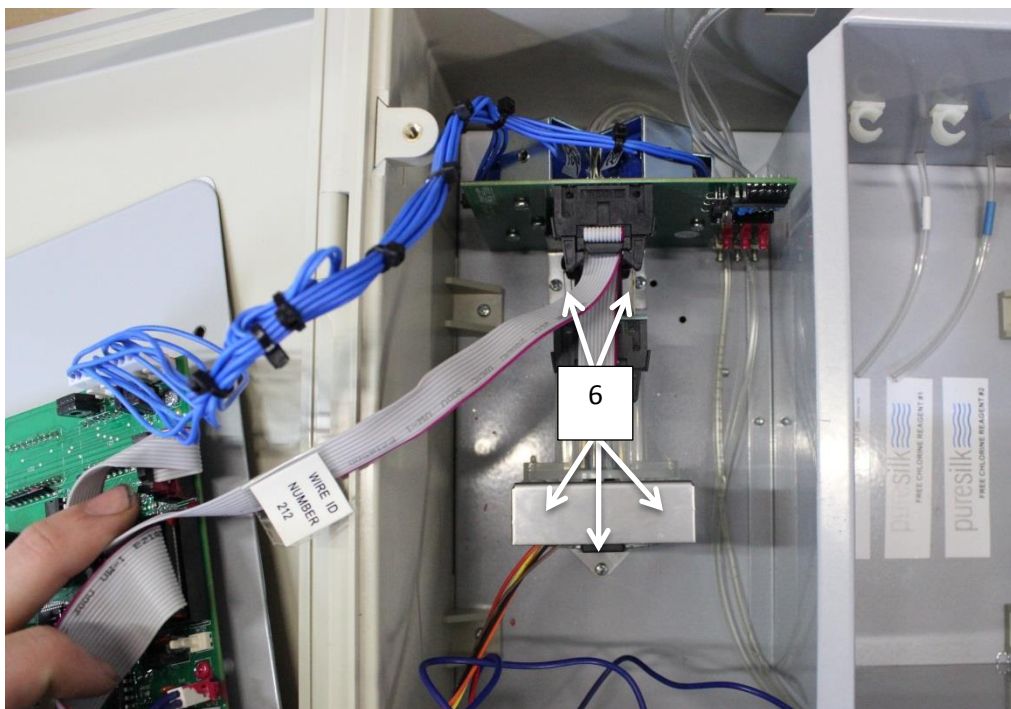
3. Remove the 5 blue solenoid cables. Note there numbered locations from the main PCB.



4. Remove smaller ribbon cable form main PCB.
 5. Remove stepper motor cable from main PCB.
- (cables are secured using an adhesive you may need to use the flat head screwdriver to break this seal)



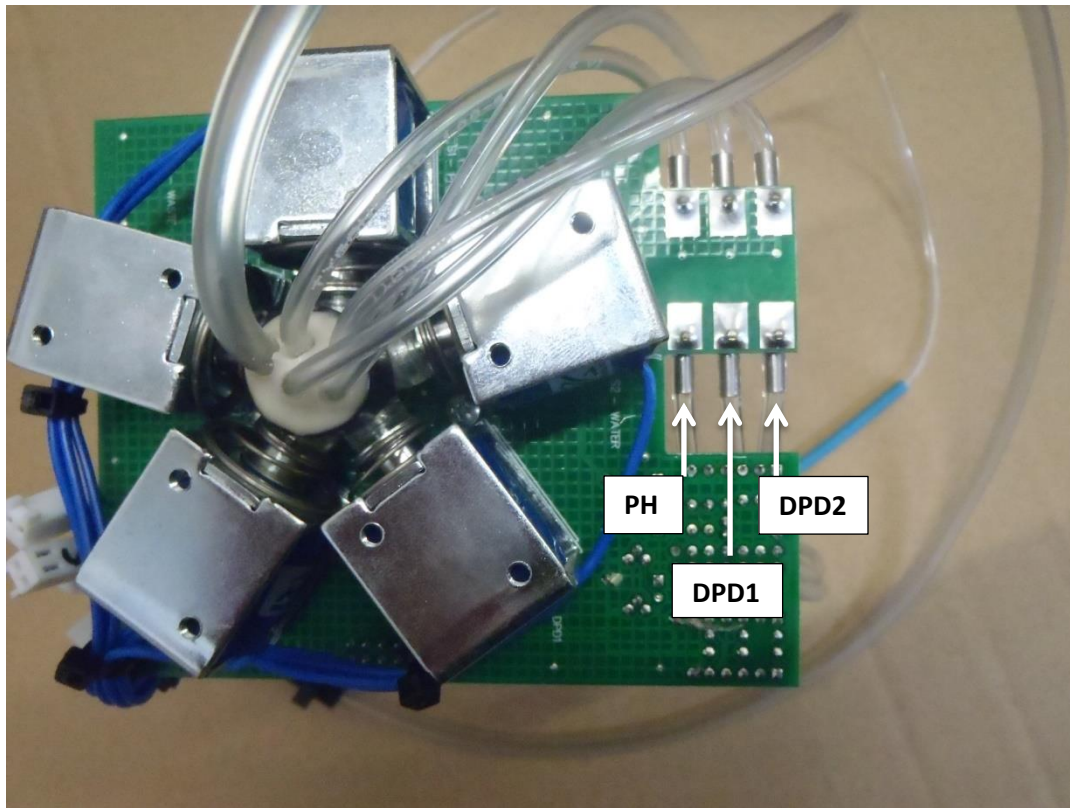
6. Remove 5 securing screws (M3x6mm) holding the test analyser to metal work base.



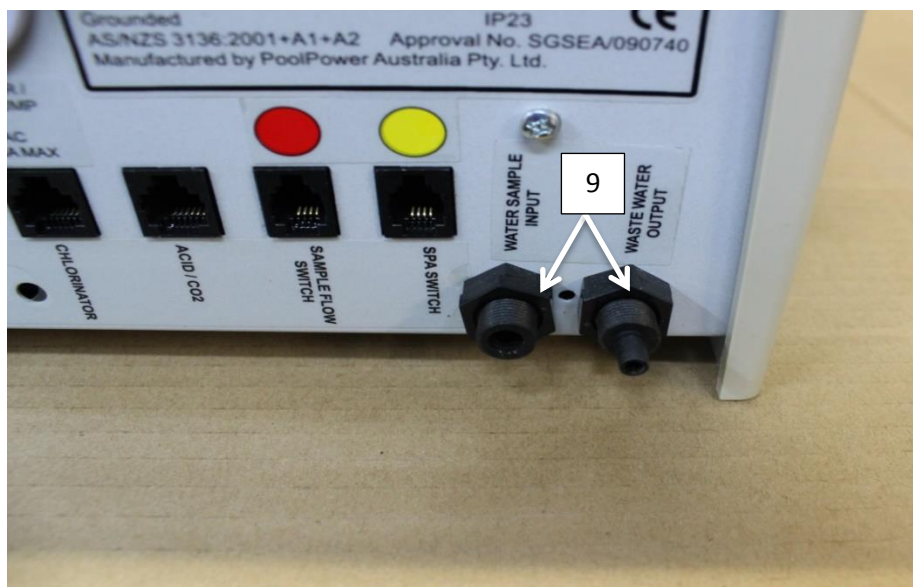
7. Feed reagent tubing through top of reagent enclosure leaving roughly 40mm (2") in enclosure.



8. Remove reagent tubing from metal sensor pins on SV PCB (top PCB on analyser) note there locations left to right PH, DPD1, DPD2.



9. Remove nuts securing waste and water inlet fixtures and pull into main compartment (bottom right hand side) Remove nuts securing the water in and waste out fixtures located on the bottom right hand side of unit and pull those hoses into main compartment.



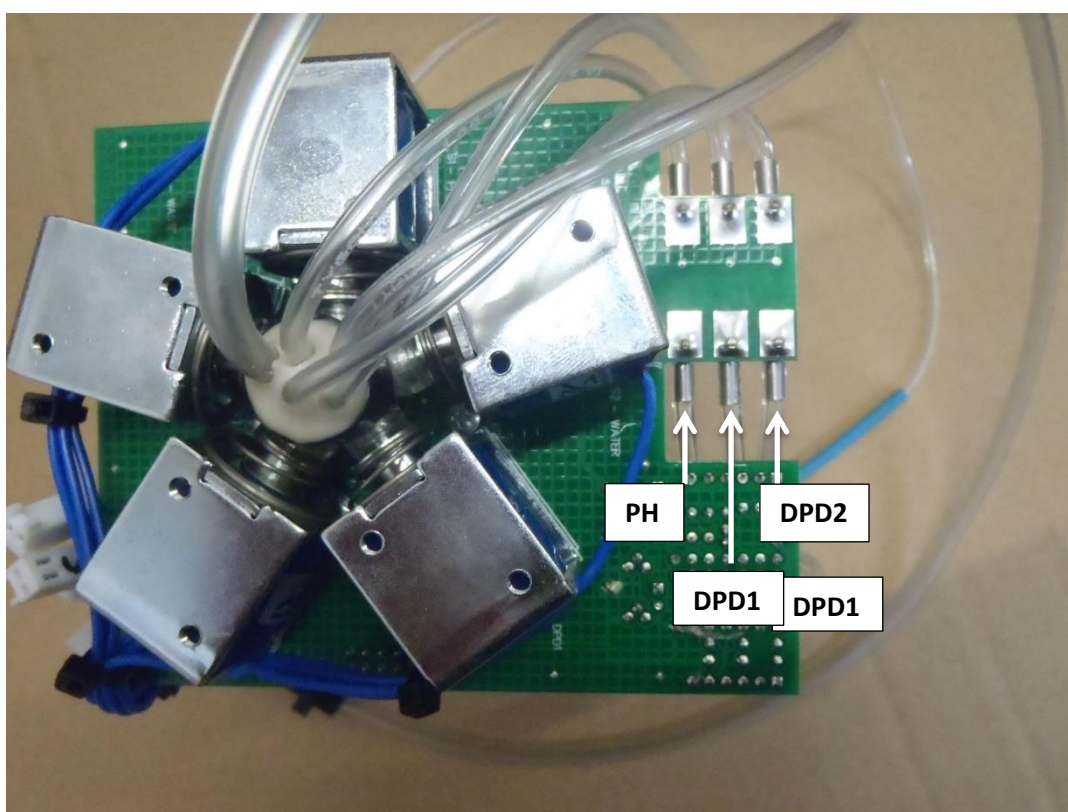
10.Remove test analyser assembly.



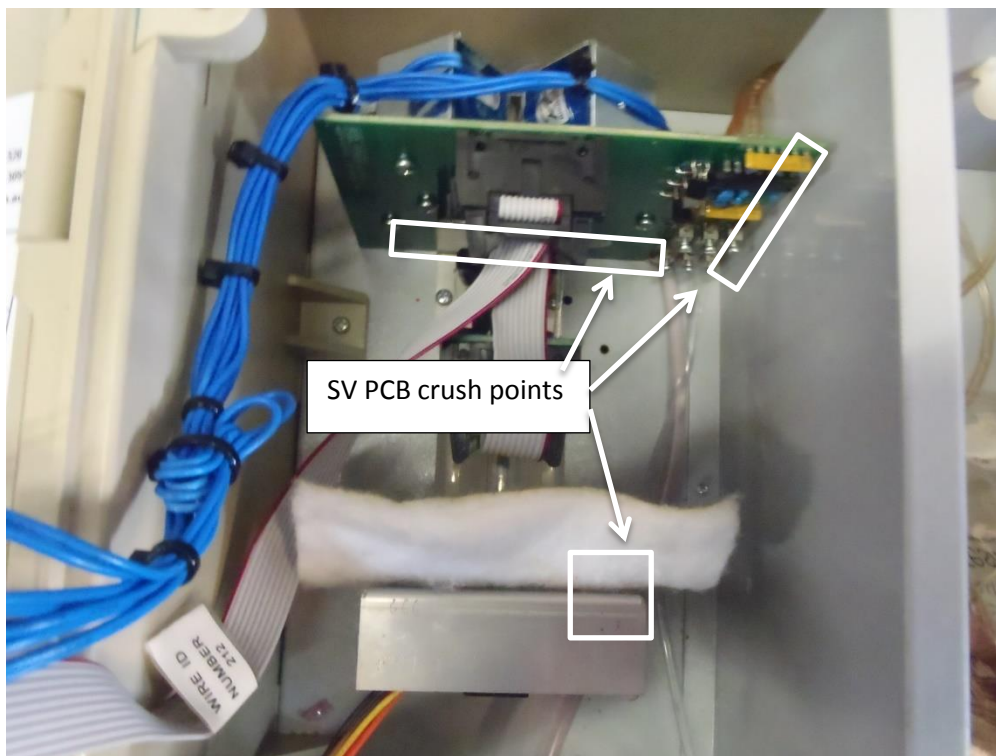
Installation of new analyser assembly

Note: Your replacement test analyser comes with new reagent lines. In most cases new reagent lines can be removed and old reagent lines can be re-used. Use the new reagent lines if old lines are blocked or contain contaminants.

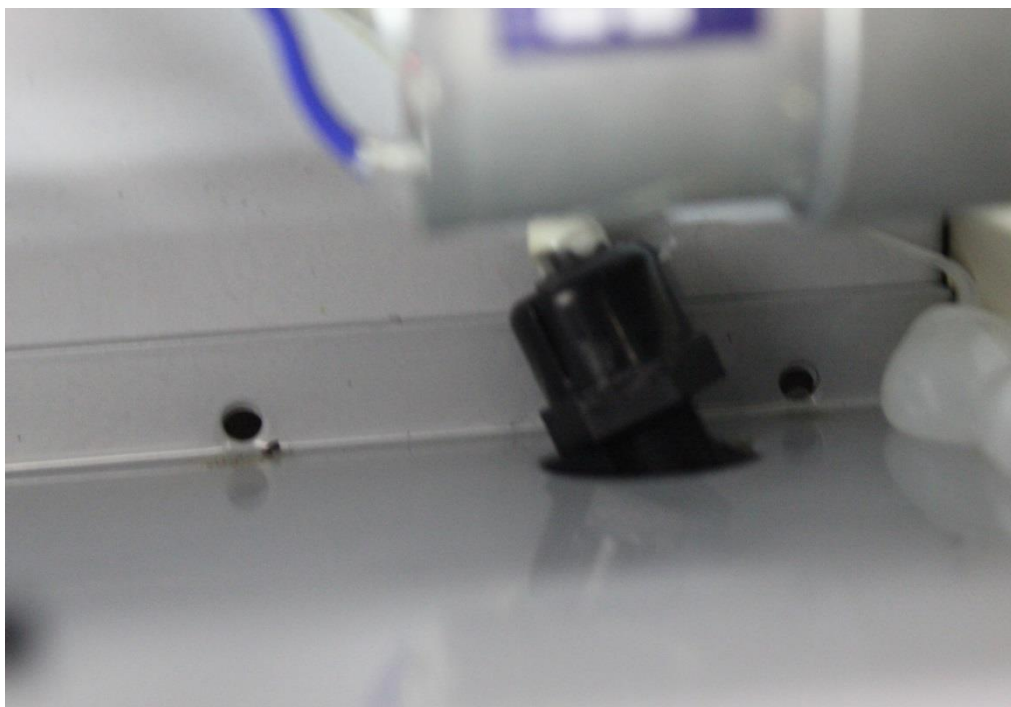
1. Reconnect reagent tubing to sensor pins on SV PCB left to right PH, DPD1, DPD2 secure using nail polish – ensure correct reagent lines are connected.



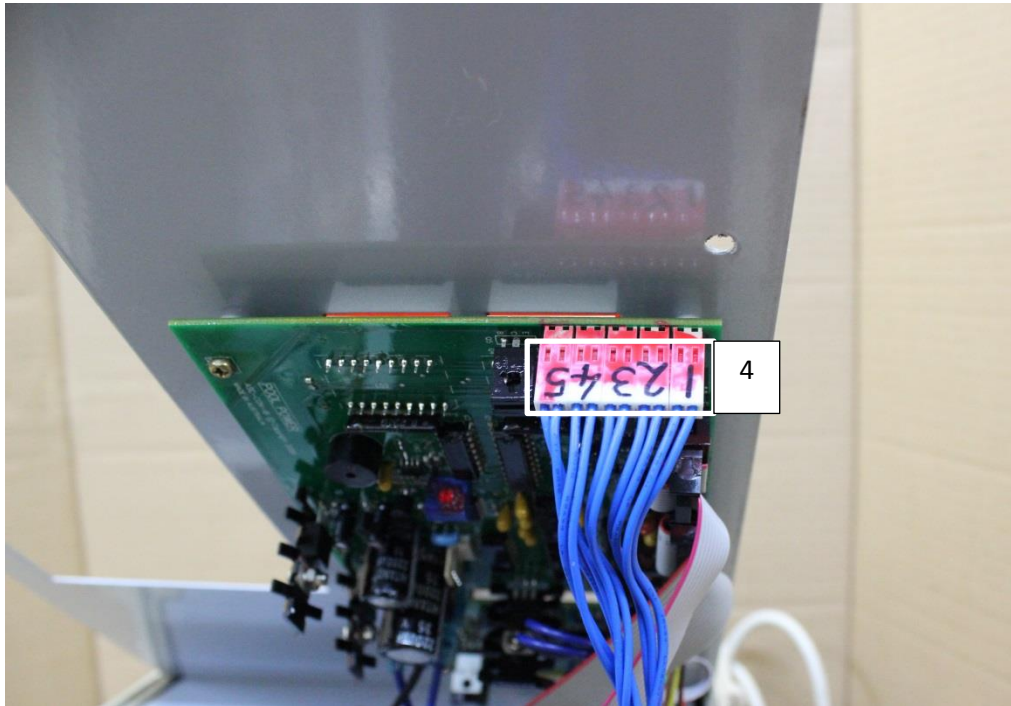
2. Attach test analyser with 5 screws (m3x6mm) ensuring no tubing is crushed by the SV board on new analyser.



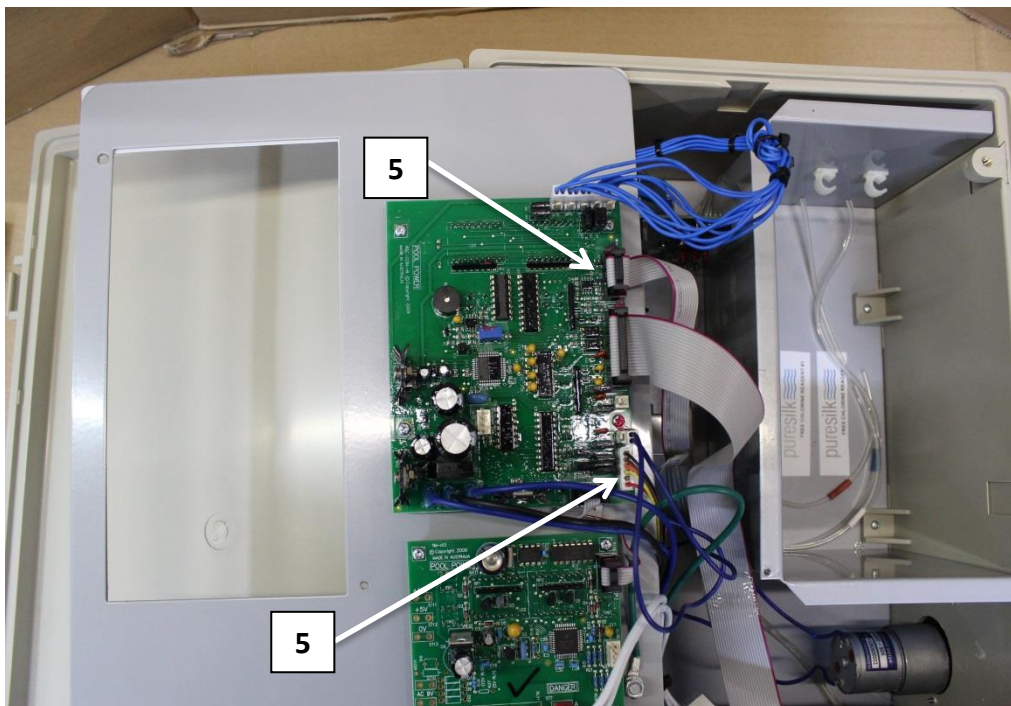
3. Feed waste line (thicker line) through waste hole and attach using two nuts then do the same for the water inlet.



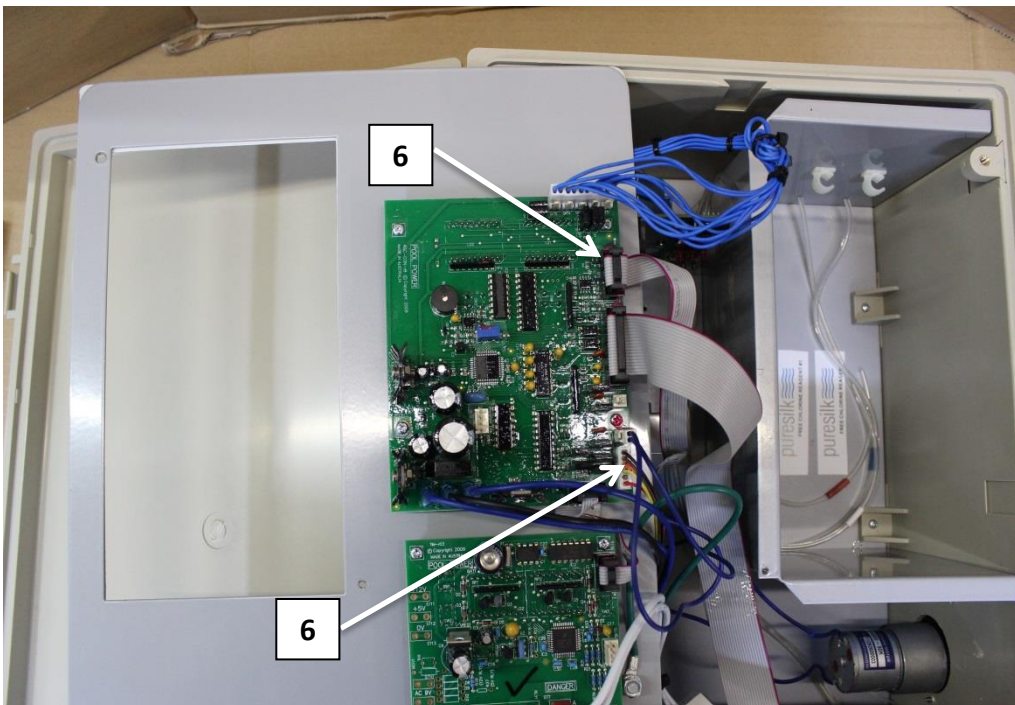
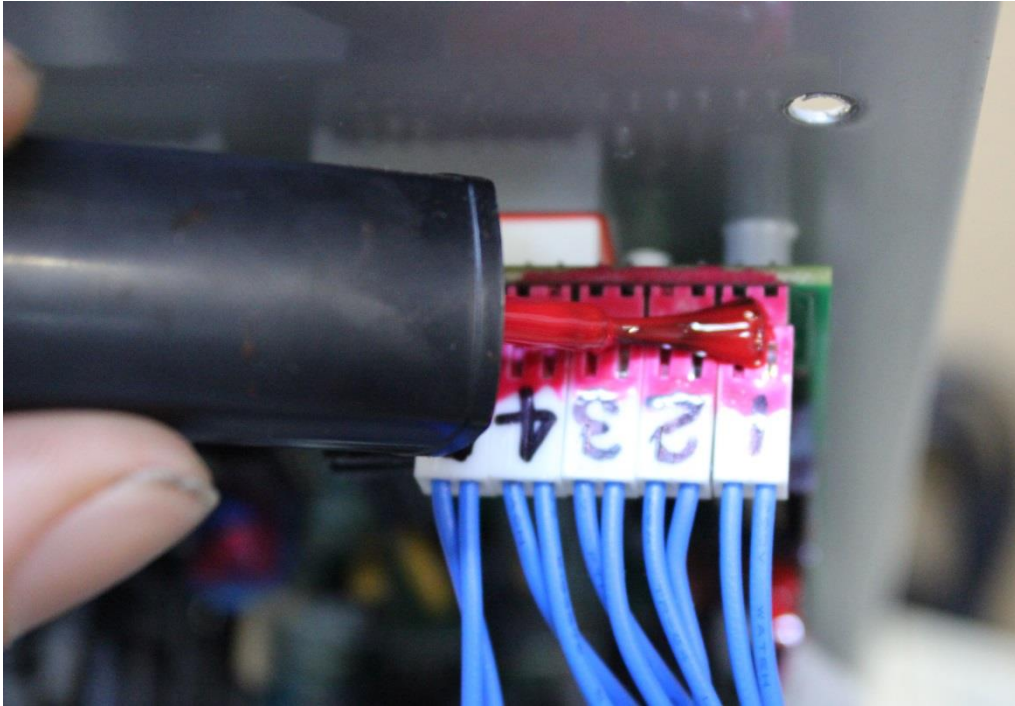
4. Reattach 5 blue solenoid wire's in the order they were before.



5. Reattach ribbon cable and stepper motor to main PCB. These will only fit in 1 way.



6. Apply nail polish to solenoid, stepper motor and small ribbon connections.



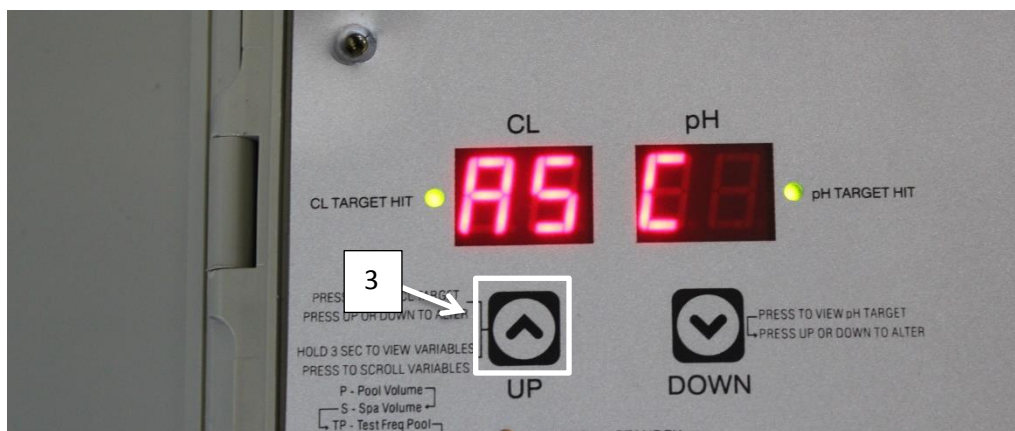
7. Reconnect reagent bags

Note: leave front panel unsecured

Calibration of new test assembly

****Ensure filtration is running**

1. Turn Chromatalyzer off at power point.
2. Turn back on.
3. Press up button once when ASC is displayed

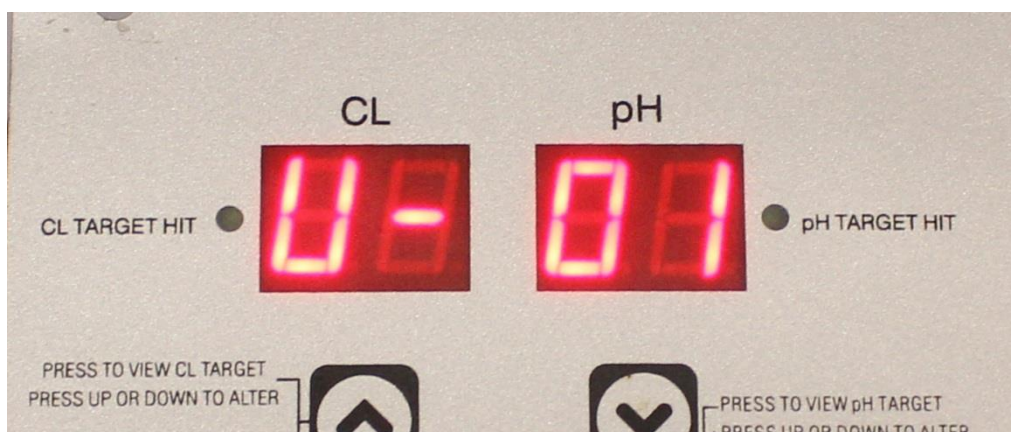


4. Press down button once when 41xx is displayed. 41xx is the software revision number and will change depending on age of the unit

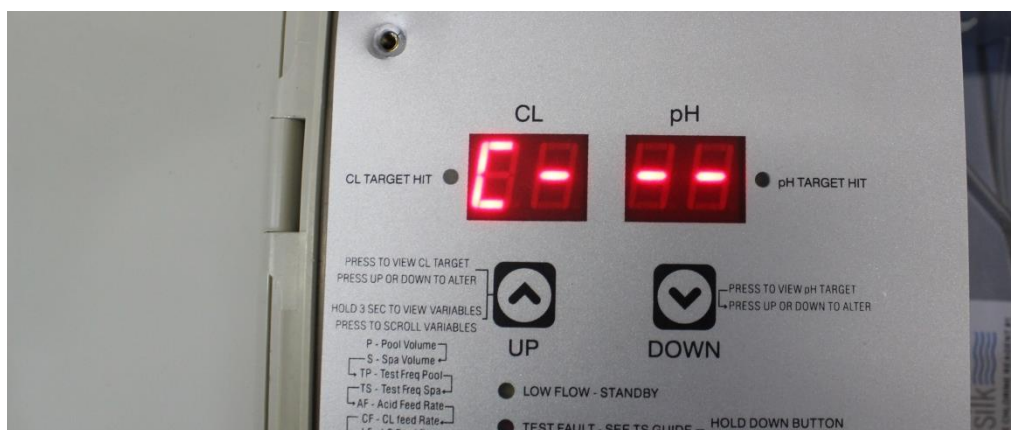


5. Your screen should now display U-00 if it does not repeat steps 1-4

6. Press up once. Screen will now be U-01



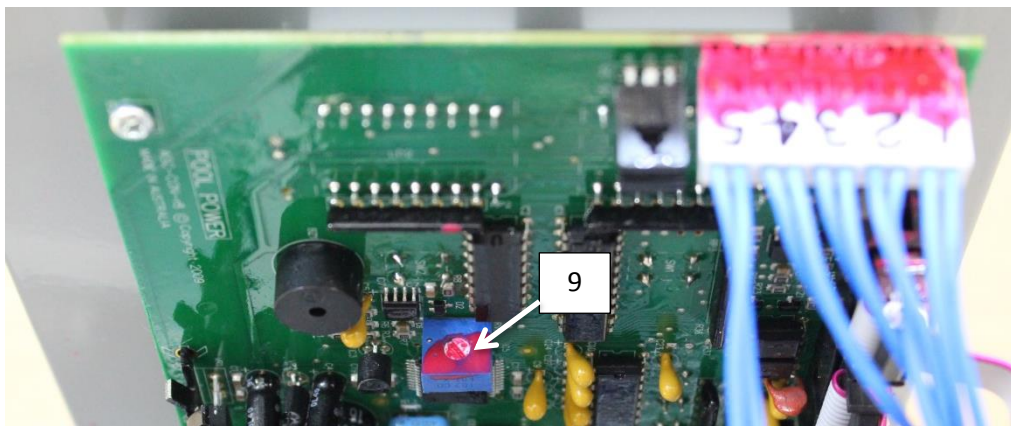
7. Press down. C--- will now be displayed



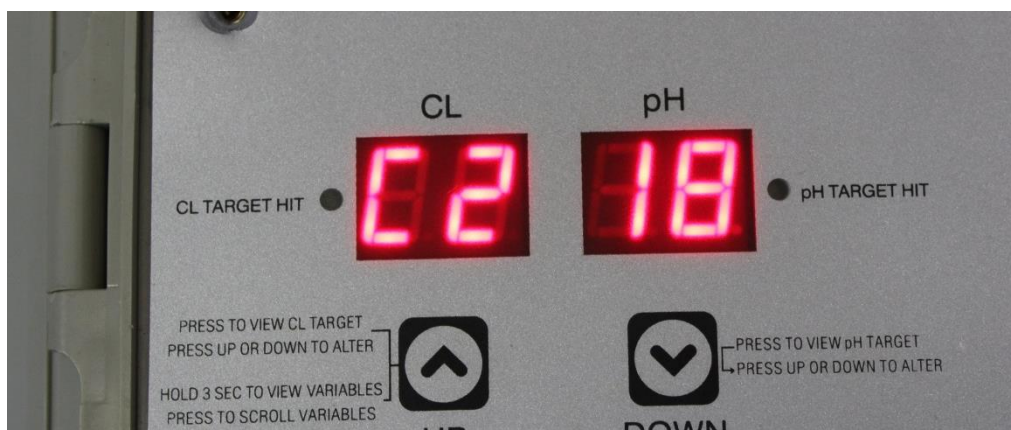
8. Wait until display is updated with a number



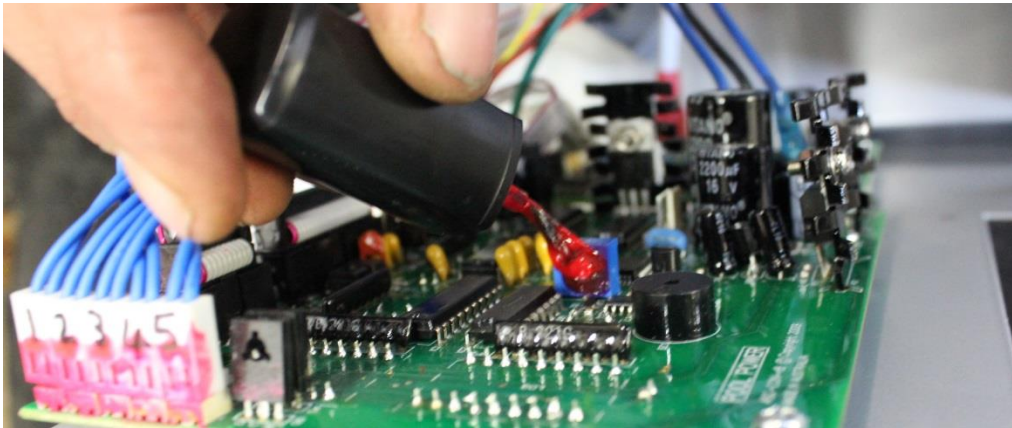
9. Using small flat headed screw driver adjust the trim pot on the main PCB until display reads 218 +/- 5. If unable to reach 218 on first try repeat steps 5-8. (to avoid damaging the trim pot brace it with your finger)



10. Press down and repeat steps 6-9 until 3 tests are done without adjusting the trim pot that = 218 +/- 5.

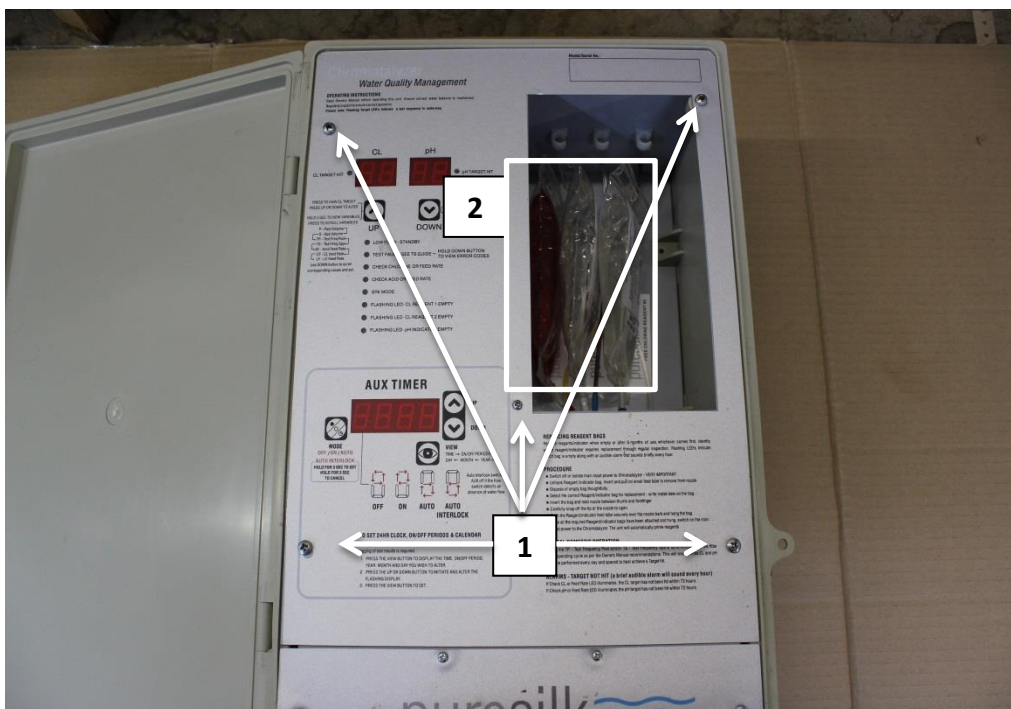


11. Secure trim pot using nail polish or light adhesive.



12. Turn power off

13. Reattach front panel using the remaining screws (four M4x8mm and one M3x6mm)



14. Turn power back on

Once water flow is re-established the Chromatalyzer will start to perform its first test after 5 minutes.

To force an immediate test, press and hold both up and down arrows for approximately 5 seconds (low flow standby light must be de-illuminated)