

**The MA957 Regulator set up procedure & gas flow adjustment is as follows:**

If you have a pH controller unplug the solenoid from the controller and Plug your solenoid into a wall socket or power strip ( note the distinctive “click”) . Do not have it plugged into any type of controller or timer to do the following adjustment.

Turn your CO2 bottle off. Go to the regulator and turn the main knob counterclockwise till you feel no pressure. Next, go to the needle valve underneath the bubble counter, and turn it counterclockwise ( ⚙ ) all the way out until it stops.

Now go back to your CO2 tank and turn the tank to full open. At this point, even with the tank being at the full open position you should have no bubbles coming through the bubble counter.

Very slowly, turn the big knob on your regulator in until you start seeing some bubbles come out of your regulator bubble counter. **Do not pay any attention to the right side gauge.** All you are interested in is the bubble counter. You must proceed very slowly when trying to adjust the CO2 regulator. Go slow, slow, slow; take your time, we want to slowly work the bubble count up.

Turn the knob one eighth to one quarter turn clockwise and wait about 30 to 45 seconds or longer before making any further adjustments. Continue with this process until you get a bubble count that is equal to what you're looking for. If necessary, use the needle valve at this point to fine adjust the bubble count but use the needle valve as a last resort and as a “**micro**” adjustment only. This will keep gas back pressure to a minimum in the regulator main chamber and solenoid.

**Please Note:** The right side gauge is not relevant to adjusting your gas flow. The bubble counter is your only true and accurate gauge of gas flow. Therefore, any reference to the right side gauge serves no purpose and is not necessary in the proper setup of the regulator.

At this point your gas flow is calibrated. If you're using a pH controller plug your solenoid back into the pH controller box.