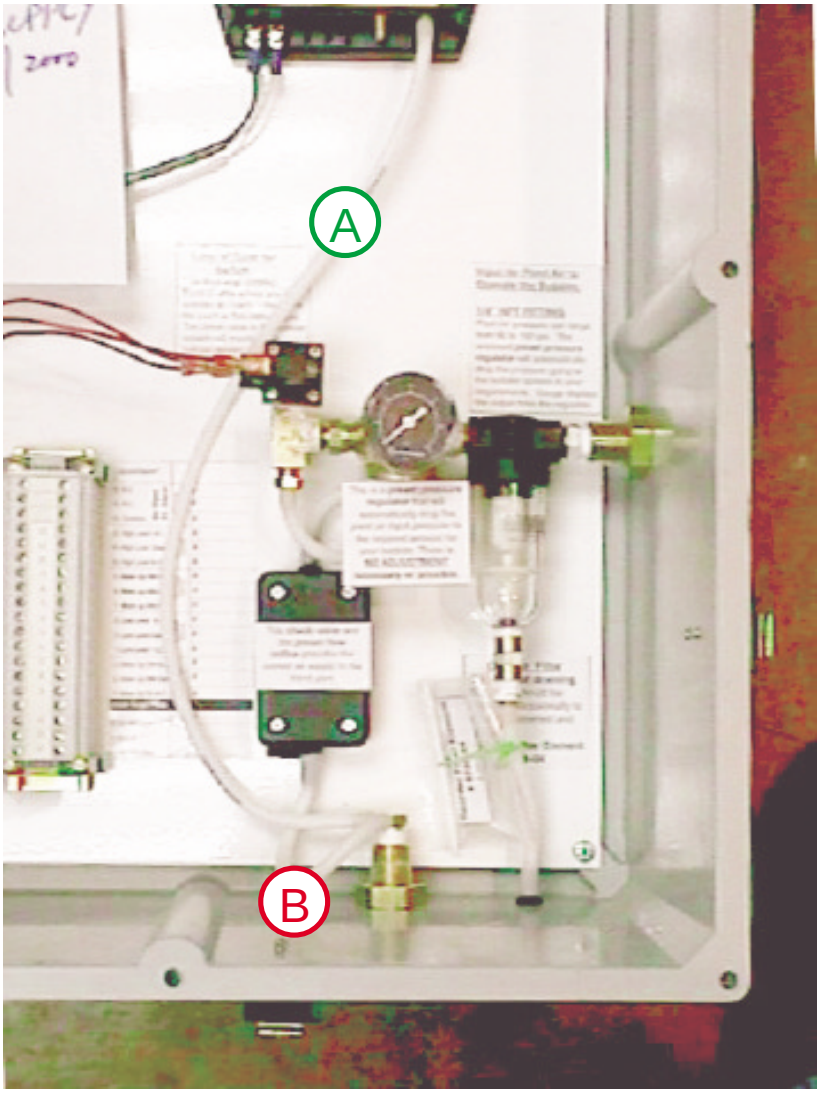
Testing the Bubbler System: If there is a difference between the actual level in the tank and what is being shown on the LiquaVision display you can isolate it by:

1. Be sure there is 4-5 psi pressure showing on the gauge inside the LiquaVision enclosure. If the pressure is below 4 psi you need to REDUCE the plant air pressure until the gauge gives you 4-5 psi. There are no adjustments inside the enclosure.

2. Testing for a leak in the bubbler line OUTSIDE the enclosure.
Fold over and squeeze the tubing between the black box and the brass fitting **at Point B**
Do NOT fold over the line between the sensor and the brass fitting A
The numeric display may drop an inch or two but it should stabilize and remain constant. A gradual increase in level is possible if the system is filling the tank. A gradual decrease in level could also be seen if the system is loosing liquid to normal operation but it shouldn't be loosing level faster than would normally occur. if there is a leak somewhere along the bubbler line you will typically see a rapid decrease in level on the numeric display . Two obvious places to check with soapy water are the inside and outside fittings on the brass bulkhead. If a compression fitting is used on the outside of the bulkhead it needs to have the rubber 'O' Ring inside. Typical compression fittings need 2-3 psi of back pressure to seal. In a bubbler line you may only experience 1 psi or less.



If there was no rapid loss of level go to step 3. The leak could be INSIDE the enclosure.

3. Testing for a leak INSIDE the bubbler system enclosure.
Turn OFF the regulator outside the enclosure that is providing the plant air. Don't disconnect the air line because that will let all the air escape the bubbler tube and line. You want to trap the air already in the system by shutting off the regulator. Now you want to look at the numeric display and see if it rapidly decreases. If so you will want to check each fitting and also the filter bowl to be sure it is seated correctly and not cracked etc. Review step 2. and see if the same type of result occurs after shutting off the regulator.

4. It is critical to verify that the senor range programmed into LiquaVision is correct. The range is printed on the sensor and is usually 0-100 INWC or 5 psi which is 138 INWC. Also it is critical that the OFFSET distance is correct. The back label on LiquaVision will step you through the programming sequence.

If this hasn't resolved the problem please call (800) 795-9970. We will fix your system.

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