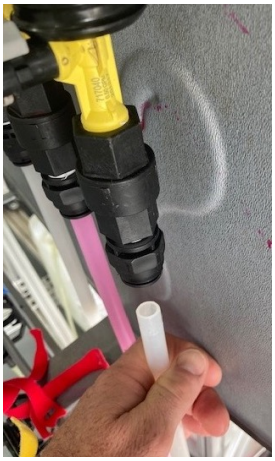
AQUA-LAB TECH TIPS
FLUID INJECTOR WON'T PULL CHEMICAL

When an injector won't pull chemical, the number one problem is too much back pressure. Follow these steps to test for back pressure and correct the issue without using a gauge.

1. Remove the outgoing solution line from the push-to-connect fitting below the fluid injector.



2. Install a bare 2-4 foot hose and point toward a drain or a bucket.

3. Go to the main carwash controller and turn the function on. See if the injector started to pull chemical.
   - If it does pull chemical, too much back pressure is the issue. Next, you'll have to determine where the issue is – typically a foam generator, nozzle, or check valve.
   - If it does not pull chemical, it's likely due to a clogged metering tip or defective injector, and either can be repaired or replaced as needed.

4. Re-install the solution line into the push-to-connect fitting and begin to search for the issue. When you've found the issue, repair or replace, clean, and re-test.

HYDRA·FLEX FLUID INNOVATION

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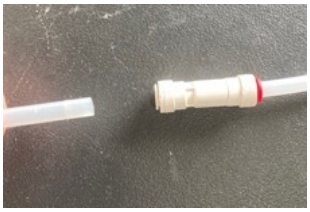
5. Start by going to out to the arch. Unplug your foam generator or distribution manifold. Go back to the main carwash controller, turn the function on, and see if it pulls chemical. If it does pull chemical, the applicator is most likely clogged or plugged and needs to be repaired, cleaned or replaced. If the issue is a media tube, clean or re-pack the tube.

   If it does not pull chemical, plug it back in to the applicator and follow the solution line backwards to your next connection point. Look for kinks, bends, or cracks in the line that could restrict the flow.

FOAM GENERATOR

MEDIA TUBE

6. At the next connection point, remove the solution line from the check valve. Turn on the function at the motor control box and verify if the injector is pulling chemical. If it's still pulling chemical, re-install the solution line and continue to the next connection point.



7. Repeat this step for each connection point, working backwards toward the panel until you find the source, checking for kinks, bends, or cracks in the line that could restrict the flow along the way.

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