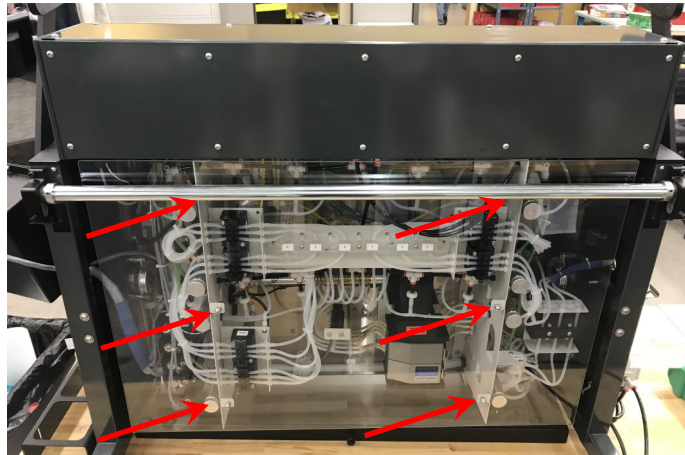
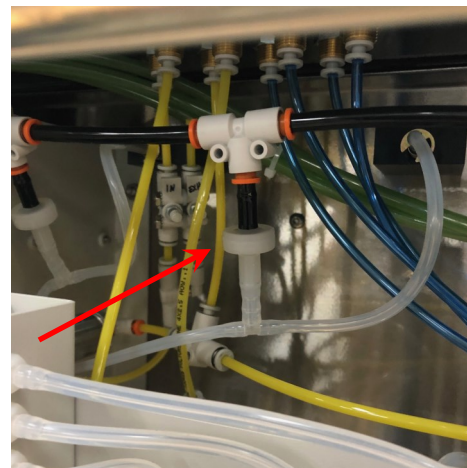


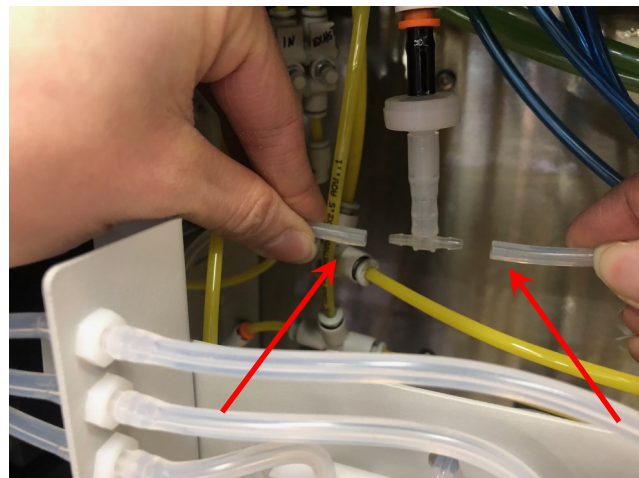
1. **Turn the nitrogen off to the ANKOM^{TDF} instrument. Bleed the nitrogen from the lines by pressing the "Pressurize SDF" button. Now turn the power off the ANKOM^{TDF} instrument.** Remove the clear back panel by removing the six acorn nuts holding it in place. You will need to tilt the instrument forward to access the top two acorn nuts and remove the clear panel.



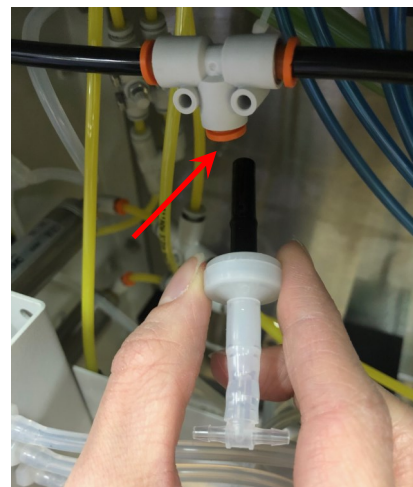
2. Identify the N2 Check Valve(s) to be replaced. There are twelve all together. Six go to the IDF fill nozzles and six to the SDF fill nozzles.



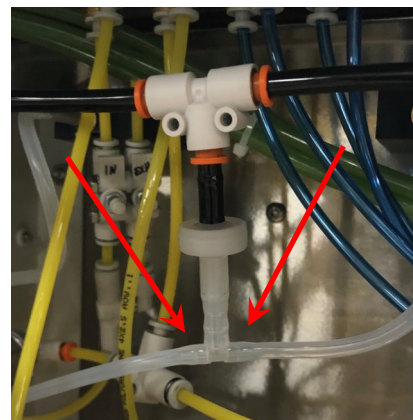
3. Remove the two silicone tubes going to the barbed T-fitting as shown.



4. Compress the orange flange of the quick-disconnect fitting, while simultaneously pulling the black tube out of the fitting.
5. Install the new TDF34 N2 Check Valve by pushing the black tube into the quick disconnect fitting. Without compressing the orange flange, pull down on the TDF34 N2 Check Valve to be sure that it is securely attached and does not pull out.



6. Reconnect the two silicone tubes. Repeat this procedure for any additional Check Valves that need replaced. Once completed, the nitrogen and power can now be turned back on to the ANKOM^{TDF} instrument.



7. **Test the N2 Check Valve.** Go to Diagnostics / Valve Test and press IDF N2 if one of the N2 Check Valves in an IDF position was replaced. Press SDF N2 if one of the N2 Check Valves was replaced in an SDF position. Confirm that there is nitrogen flow at the fill nozzle associated with the check valve just replaced. Also from the back of the instrument check there is no evidence of nitrogen leaking at the N2 check valve itself. Replace the clear back panel on the instrument.

