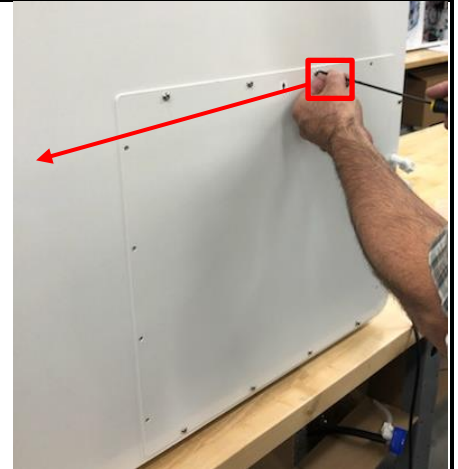


This Service Procedure details how to replace/upgrade the Check Valve Manifold. Please contact ANKOM Technology for further assistance.

1. Turn off instrument and unplug. The nitrogen can stay connected.

2. Use a 1/8" Hex Driver to remove the (16) Electrical Panel screws from the back of the Instrument. Next remove the panel.

**IMPORTANT:** Maintain the same top edge orientation when the panel is reinstalled. The arrow on the panel indicates which edge is on top.



3. Use an adjustable wrench to slightly loosen the hex nut on the rear panel nitrogen fitting while keeping the nitrogen connected.



4. Using the same 1/8" Hex Driver, remove the (20) Rear Panel screws from the back of the Instrument.

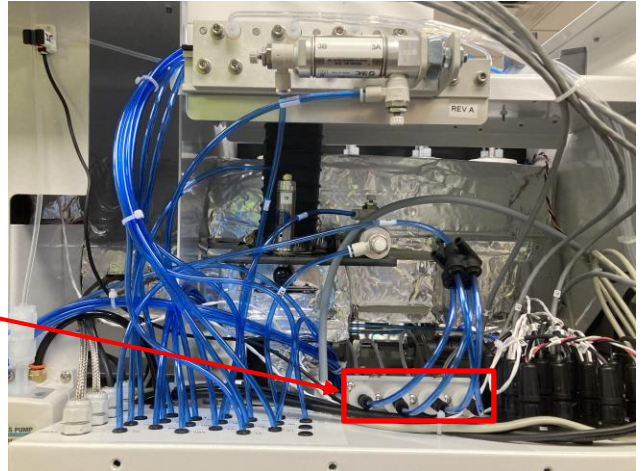
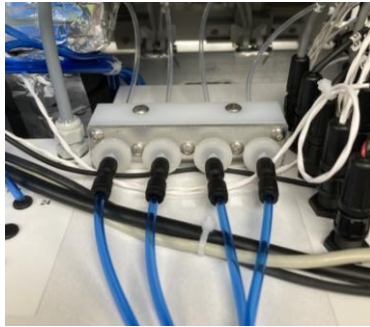


- Slide the Nitrogen fitting out of the slot in the Rear Panel and remove the panel from the Instrument.



- Locate the Check Valve Manifold near the center of the instrument.

**NOTE:** Your manifold may appear different from that shown.

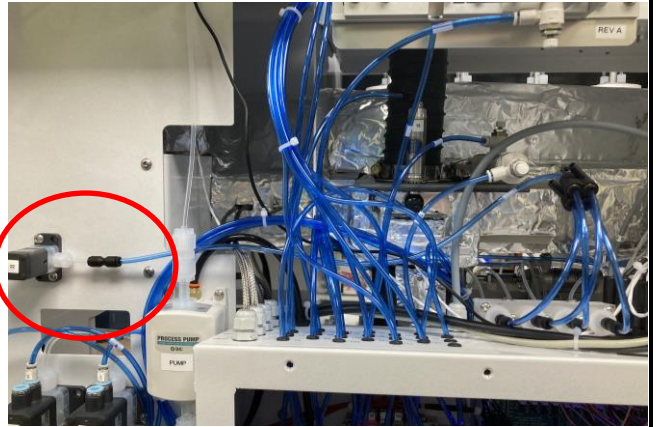
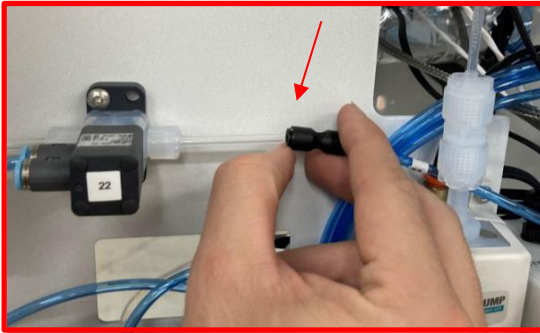


- Unscrew the (4) tube fittings on the opposite side of the Manifold. Maintain the order of the tubes as they are removed.

Next, use a 1/8" hex wrench to remove the two screws from the manifold.



- Follow the supply tube for the Manifold over to the left side of the instrument. Remove the black straight connector from the 1/8" clear tubing by squeezing inward the inner ring at the end of the tube and pulling away.



The Manifold and supply tubing can now be removed from the instrument.

- Take the new FLEX45 Check Valve Manifold and position it on top of the Electrical Cabinet. (Figure 1)

Reinstall the (4) tube fittings on the opposite side of the Manifold from right to left. Take care to avoid cross-threading the fittings. They should thread in smoothly until tight. (Figure 2)

Attach the Manifold using the (2) screws removed in step 7. (Figure 3)



Figure 1

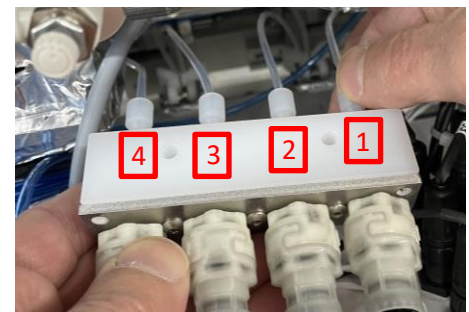
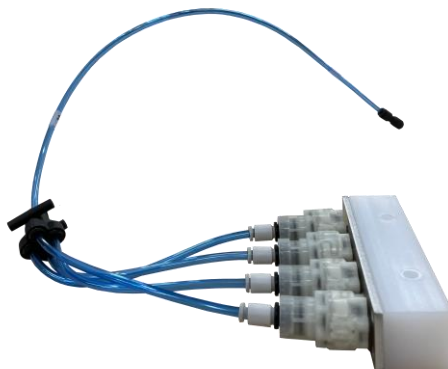


Figure 2



Check Valve Manifold  
Part #: FLEX45

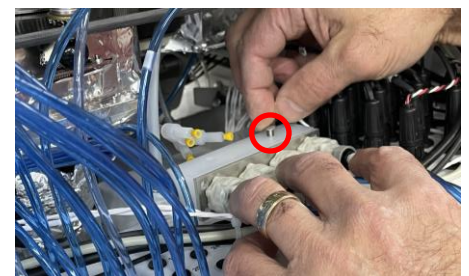
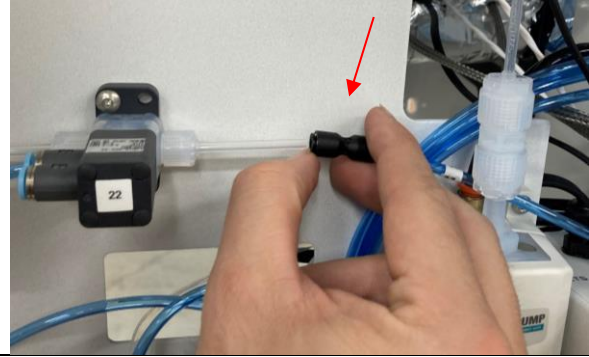


Figure 3



10. Reconnect the black straight connector from step 8, making sure to run the blue tubing behind the blue tubes in the foreground as shown.



11. Run the nitrogen lines to sweep upwards so that they do not interfere when reinstalling the back panel.

Then, reinstall the back panel onto the instrument.



12. Run a pressure check to confirm that the FLEX45 Check Valve Assembly has been properly installed. Refer to service procedure "FLO20 – Manual Pressure Check" for further instructions.