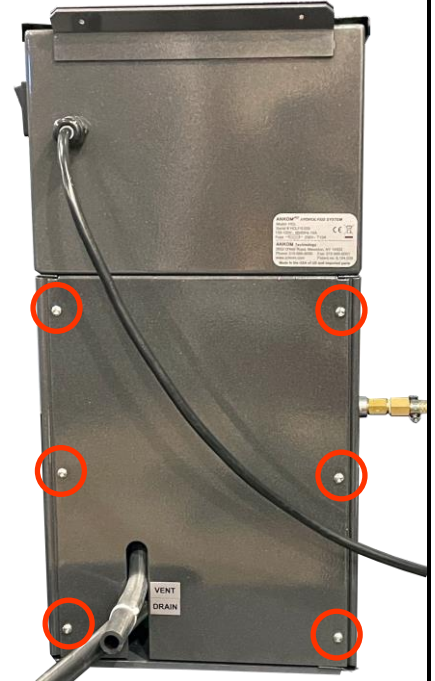
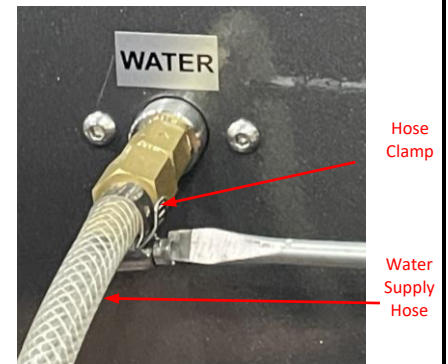


This service procedure details the installation of the Water Supply Valve (Part #: H4) in the ANKOM HCI.

1. Remove the back panel of the instrument.
Using a 1/8" Allen Wrench, remove the six screws from the back of the instrument and set them aside with the back panel for later use.



2. Disconnect the water supply hose.
 - a. Turn off the water supply.
 - b. Loosen the hose clamp.
 - c. Pull the water supply hose off the Valve fitting.
 - d. Tighten the hose clamp onto the water supply hose for use later.



3. Disconnect the water supply tube.
 - a. Using pliers, loosen the spring clamp from the Water Supply Valve.
 - b. Pull the 1/2" black water supply tube off from the left end of the valve.



4. Loosen the valve nut.
 - a. Using a 9/16" or adjustable wrench, loosen the valve nut. (Fig. A)
 - b. Remove the nut and pull off the black valve plug and set aside for later use. (Fig. B)

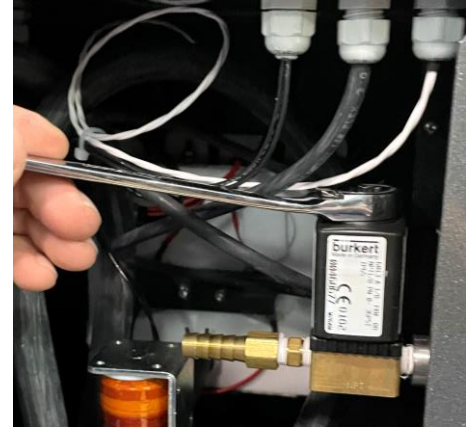


Figure A

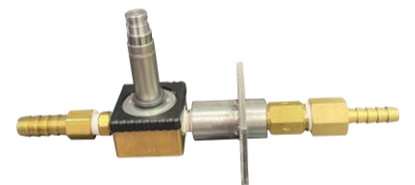


Figure B

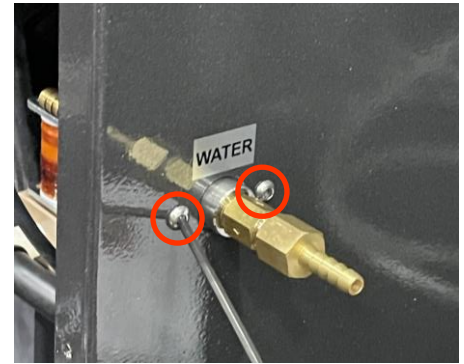
5. Unscrew the two exterior Water Supply Valve screws.
 - a. Using a 1/8" Allen wrench, remove the two screws and set them aside for later use.
 - b. Remove the old Water Supply Valve & discard.



6. Obtain the new Water Supply Valve (Part #: H4).



7. Secure the replacement Water Supply Valve in the side panel.
 - a. Insert the replacement Water Supply Valve through the hole in the right-side panel of the HCL instrument.
 - b. Using a 1/8" Allen Wrench, screw in the two exterior Water Supply Valve screws to hold the valve in place.



8. Connect the valve plug to the Water Supply Valve.
 - a. Connect the valve plug to the Water Supply Valve. (Fig. A)
 - b. Rotate the valve plug to be aligned directly behind the Water Supply Valve.
 - c. Using a 9/16" or adjustable wrench, tighten the valve nut in place. (Fig. B)

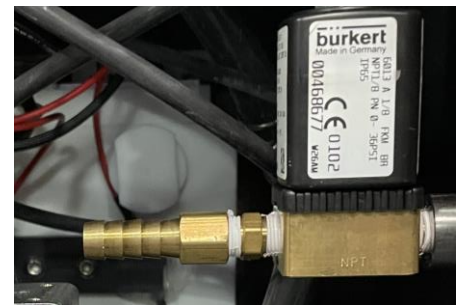


Figure A

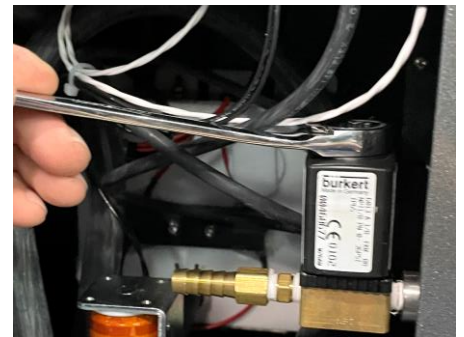
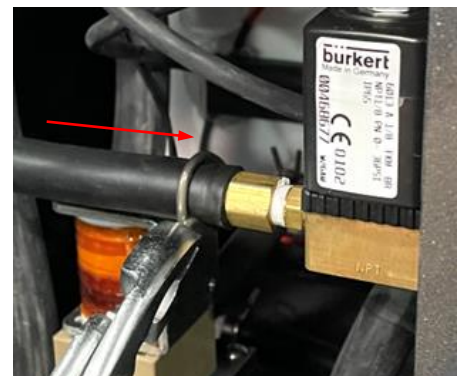


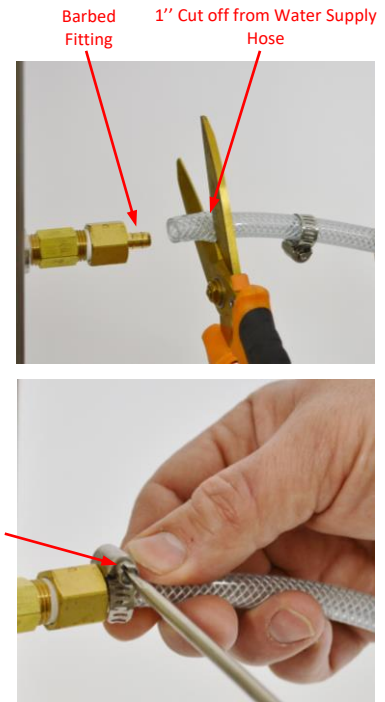
Figure B

9. Reconnect the water supply tube.
 - a. With the 1/2" black water supply tube in front of the black vent tube, attach it to the left end of the Water Supply Valve.
 - b. Place the spring clamp at the location where the water supply tube overlaps the Water Supply Valve.



10. Reconnect the water supply hose.

- a. Cut 1" off the end of the water supply hose that was previously attached to the old Water Supply Valve. This adjustment will prevent leaking as the fresh hose end will now securely grip onto the barbed fitting.
- b. Connect the water supply hose to the exterior end of the Water Supply Valve, ensuring that it covers the entire barbed fitting.
- c. Tighten the hose clamp to secure the water supply hose to the Water Supply Valve.



11. Perform a QC Test on the Water Supply Valve to check for leaks.

- a. Turn on the HCL instrument and the water supply source.
- b. Press ENTER on the instrument to begin the process.
- c. Using the UP/DOWN buttons on the keypad, set the Hydrolysis Time to 0 and press ENTER.
- d. Using the UP/DOWN buttons on the keypad, set the Hydrolysis Temperature to 90° and press ENTER.
- e. Using the UP/DOWN buttons on the keypad, set the Hydrolysis Rinse Time to 10 minutes and press ENTER.
- f. Ensure the lid is closed and press ENTER.
- g. Turn on the water supply and press START.

If leaking occurs, recheck the steps above to ensure all adjustments are secure.

If this check fails, contact ANKOM Technology at

<https://www.ankom.com/contact/technical-services>

or by phone at 315.986.8090.



12. Reinstall the back panel by securing the six screws using the 1/8" Allen wrench.

