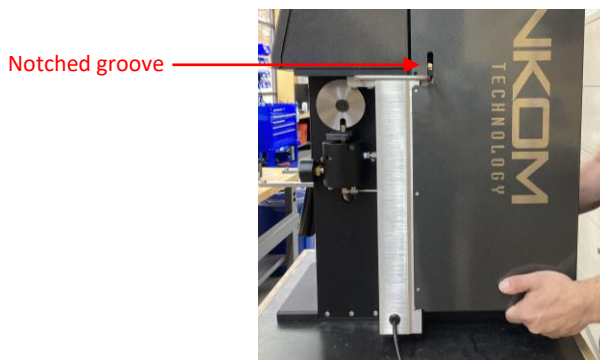
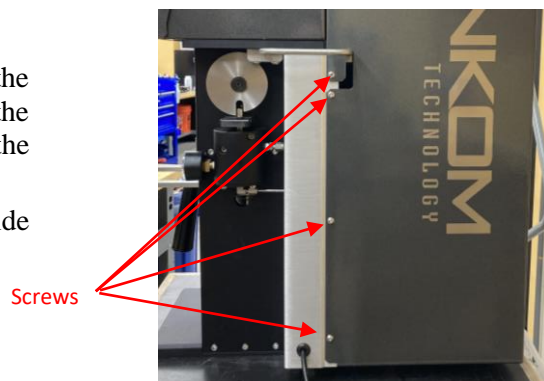


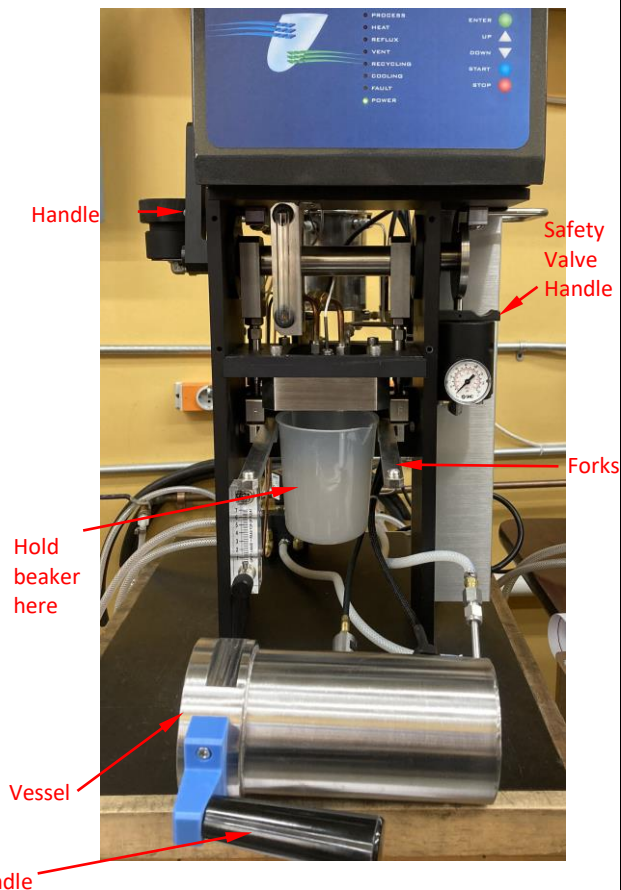
1. Remove the back cabinet.

- a. Remove the eight screws (four on each side of the instrument) that secure the back cabinet onto the instrument using a 1/8" Allen wrench. Set aside the screws for later use.
- b. Lift up then pull back so the handles on each side slide out of the notched groove.



2. Drain the reservoir.

- a. Unlock the vessel by pushing down on the safety valve handle and turning the handle on the top left side of the instrument.
- b. Take hold of the Vessel handle and pull it toward you until it is removed from the forks on which it slides.
- c. Lay the vessel down on the counter.
- d. 600 ml beaker where the vessel is normally positioned in the instrument.
- e. While holding the beaker in place, start an extraction (time and temperature settings are not important). At this point, the solvent in the XT15 will begin to fill the beaker.
- f. Once the extraction time reaches its limits the following screen will display, "Add Solvent CK Level Sw<Ent>".
- g. Press the ENTER button and observe to ensure no solvent is dripping into the beaker. If solvent is dripping into the beaker, repeat steps d and e.
- h. When the solvent has been drained from the XT15, remove the beaker and store the solvent in an appropriate container. Then, place the vessel back into position and turn the XT15 power off.



3. Using a 9/16 wrench remove the electrical plug.

Electrical plug

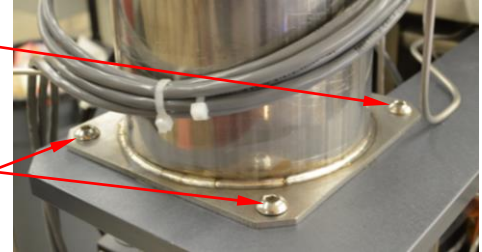


4. Remove the X66 Fill Valve Assembly.

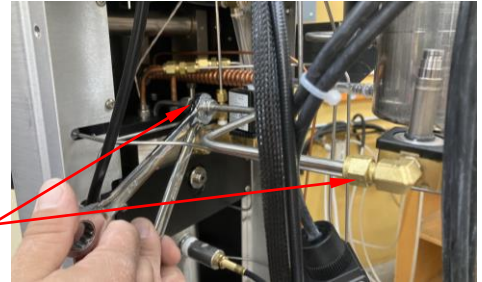
- a. Using a 5/32" Allen wrench remove the two screws on the back of the condenser. Set aside for later use.
- b. Loosen the front screw.
- c. Loosen the stainless-steel nut on the 1/4" fill tube with a 1/2" and 7/16" wrench.
- d. Pivot the condenser back to pull the 1/4" fill tube out of the 90° 1/4" fitting. Set aside for later use.
- e. Using a 7/16" wrench loosen the brass nut and remove the Q6 recycling tube. Set aside for later use.
- f. Using a 9/16" wrench, unscrew the X66 Valve.

Front screw

Back screws

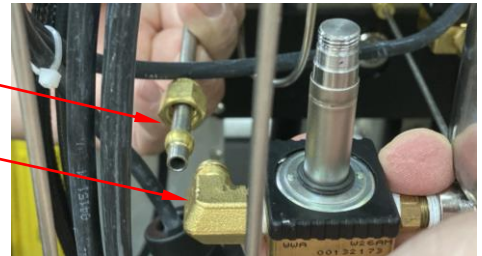


Brass nuts on 1/4" fill tube



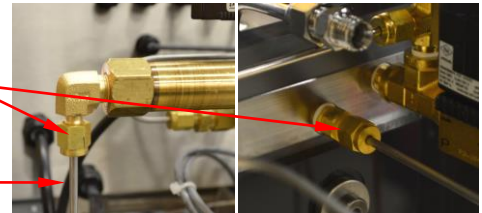
1/4" Fill tube

90° 1/4" fitting



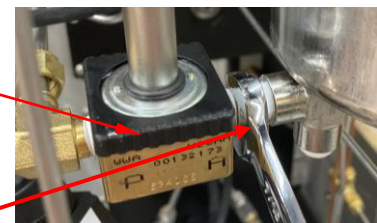
Brass nuts on Q6 recycling tube

Q6 recycling tube



X66 Valve

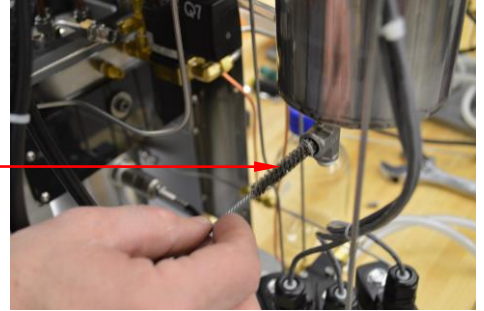
9/16" wrench



5. Clean the threads of the T-fitting.

- a. Place a wire brush inside the T-fitting and rotate to remove any material.
- b. Verify that there is no old Teflon tape on the threads.

Wire brush



6. Install the new X66 Fill Valve Assembly.

- a. Remove the brass nut on the new X66 Fill Valve Assembly.
- b. Finger tighten the new X66 onto the T-fitting. Do not use the 90° 1/4" fitting to screw on the valve.
- c. Use a wrench to tighten farther.

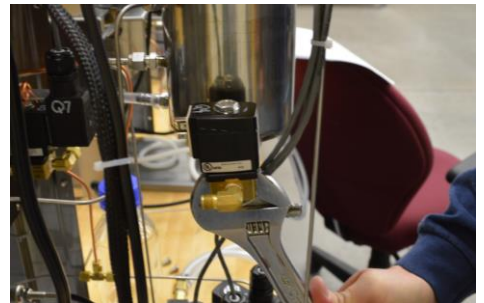
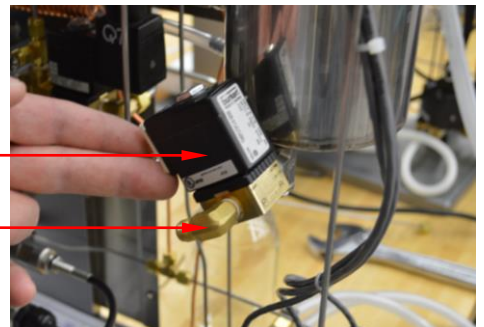
Brass nut



Notes: Ensure that the 90° 1/4" fitting is level with the 1/4" fill tube.

X66 Fill Valve Assembly
90° 1/4" fitting

Some older models may require user to grab the valve body with an adjustable wrench.

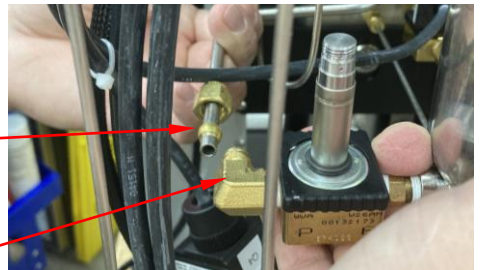


7. Reinstall the 1/4" fill tube.

- a. Place one end of the 1/4" fill tube into the 90° 1/4" fitting and the other end into the straight fitting.
- b. Finger tighten the brass nuts onto each fitting.
- c. Use a 9/16" wrench to tighten no more than a 1/8" turn.

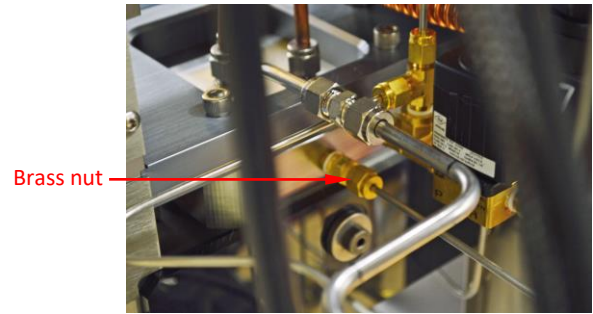
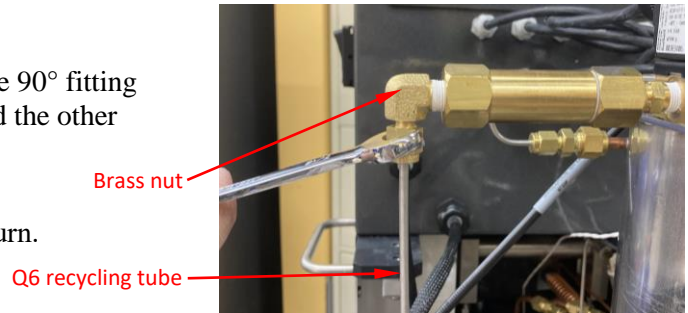
1/4" fill tube

90° 1/4" fitting



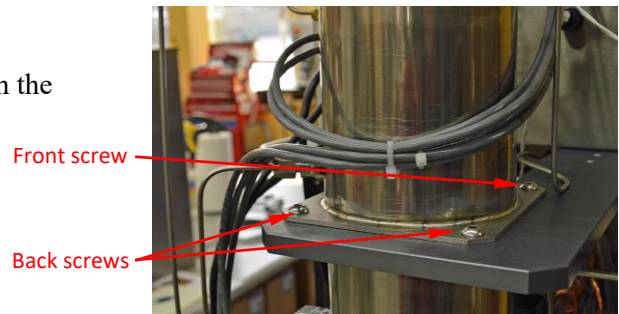
8. Install the Q6 recycling tube.

- a. Place one end of the Q6 recycling tube into the 90° fitting of the X62 Solvent Drain Valve Assembly and the other end into the straight fitting.
- b. Finger tighten the brass nuts onto each fitting.
- c. Use a wrench to tighten no more than a 1/8" turn.



9. Secure the condenser.

- a. Using a 5/32" Allen wrench install the two screws in the back of the condenser.
- b. Tighten the front screw to completely secure the condenser.



10. Check Fittings for Leaks.

- a. Perform a run with the back cabinet off.
- b. Put soapy water on all the fittings that were removed while replacing the XT Solvent Valve Assembly.
- c. Look for bubbles. If there are bubbles that means there is a leak and the fitting needs to be tightened.
- d. Use a wrench to tighten the nut until the bubbling stops.
- e. Wipe off the fitting and check again for leaks.

