

1. Remove the back cabinet.

- a. Using a 1/8" Allen wrench, remove the eight screws (four on each side of the instrument) that secure the back cabinet onto the instrument. 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.

Screws



Figure 1

Notched groove



Figure 2

2. Remove the X64.5 Drain Manifold Assembly.

- a. Using a 7/16" wrench, loosen the two brass nuts.
- b. Using two 9/16" wrenches remove the cooling tube coming from the back of the vessel.

Brass Nuts

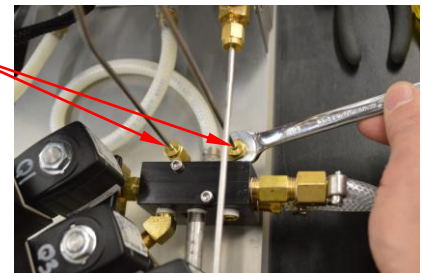


Figure 3

Cooling tube

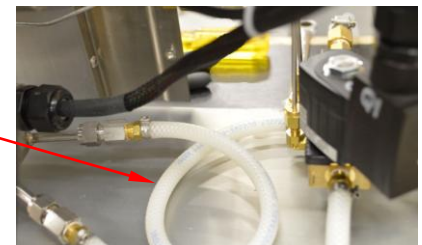


Figure 4

2. Remove the X64.5 Drain Manifold Assembly continued.

- c. Using an Allen wrench, remove the two screws on top of the drain manifolds.
- d. Slide the X64.5 Drain Manifold Assembly out from underneath the X63 Assembly manifold.
- e. Remove the drain line from the old X64.5 assembly by loosening the hose clamp with a flat head screw driver and pulling the tube straight off. Do not remove the hose clamp from the line.

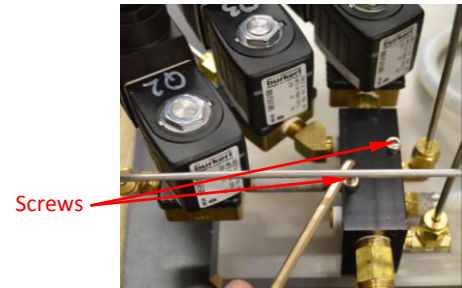


Figure 5

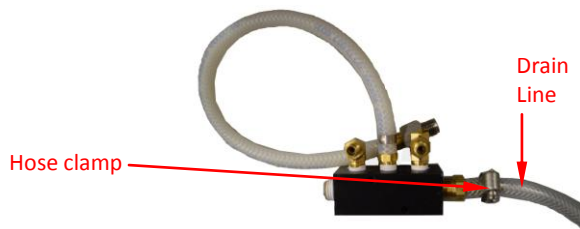


Figure 7

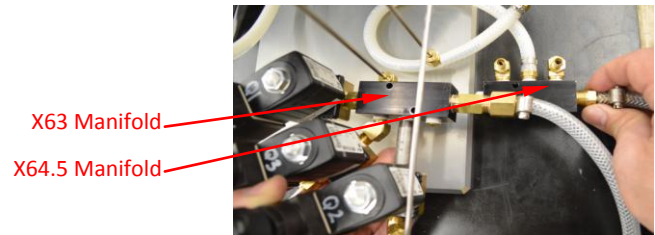


Figure 6

3. Install the new X64.5 Drain Manifold Assembly.

- a. Remove and discard the two brass nuts from the new X64.5 Drain Manifold Assembly.
- b. Attach the drain line to the new X64.5 Drain Manifold Assembly by tightening the hose clamp using a flathead screw driver. See Figure 7.
- c. Slide the new X64.5 assembly under the X63 manifold. See Figure 6.
- d. Line up the two manifolds so that the two screws slide all the way in. Tighten the screws with an allen wrench to secure the manifold in to place. See Figure 5.
- e. Finger tighten the brass nuts onto the new X64.5. Then using a 7/16" wrench tighten no more the 1/8" turn. See Figure 3.
- f. Using two 9/16" wrenches reattach the water cooling tube to the back of the vessel. Be sure to coil the tube as shown in Figure 4.

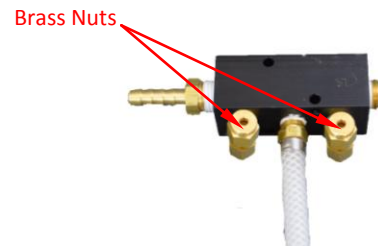


Figure 8

4. Perform a run and check for leaks.

- a. Turn on the instrument and the water supply.
- b. Press the STOP button on the instrument keypad to go through a cool down.
- c. During the run check for leaks.