

The FLEX30 Slide Valve Assembly contains seals that should be replaced if leakage occurs. Slide valve assemblies marked "Rev A," utilize two types of seals, O-Ring part # 9147 and a dual seal O-Ring part # 9148.

Support Items:

O-Ring
(part# 9147)



No Rev: Qty 8
Rev A: Qty 4

A kit is supplied with the instrument which contains the required tools.



Dual Seal- Slide Bar
(part# 9148)



No Rev: Qty 0
Rev A: Qty 4

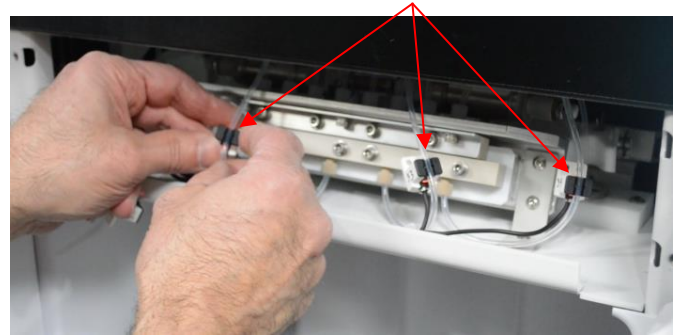
The Slide Valve is located behind the front access panel on the instrument.



1. Use the 1/8" Hex Driver to remove the four screws on the front access panel, then remove the panel.



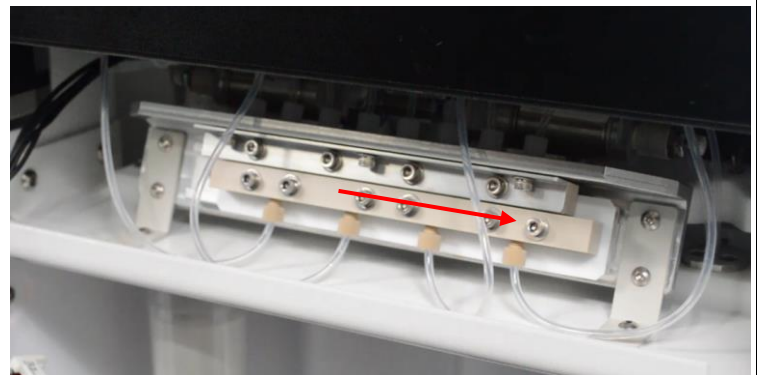
- Detach the four level sensors by carefully pulling them off the tubes. Note the order, position, and height of each sensor. They will need to be reattached in the same position.



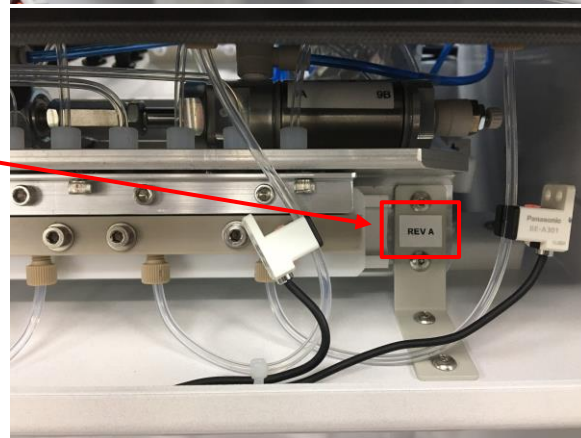
- From the command center screen on the HMI, open the "DRAIN To Columns" toggle.



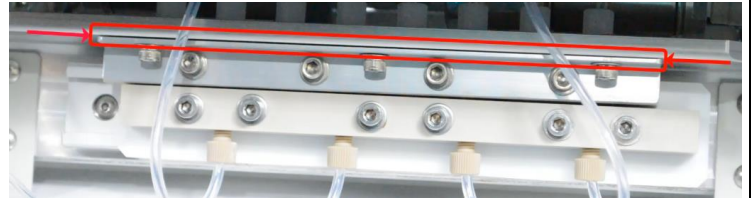
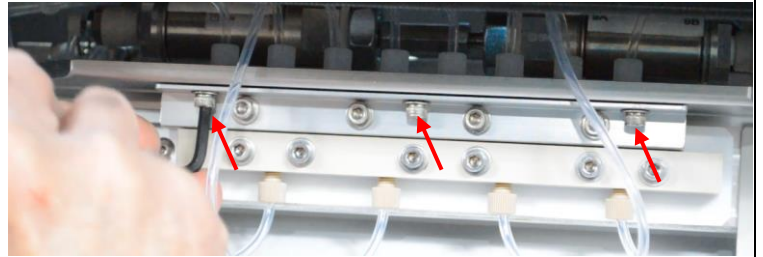
- The lower bar will move to the right, providing easy access to the necessary screws.



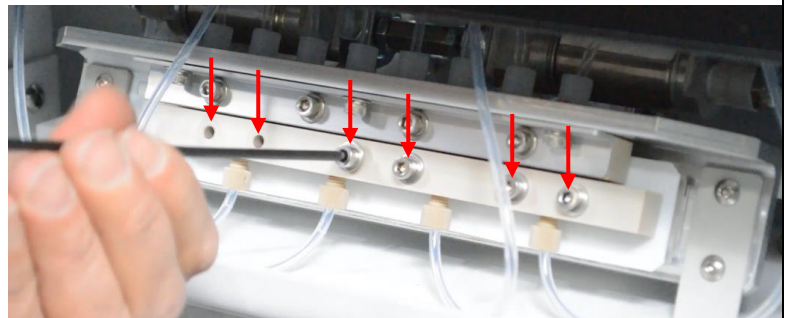
Rev A Valve



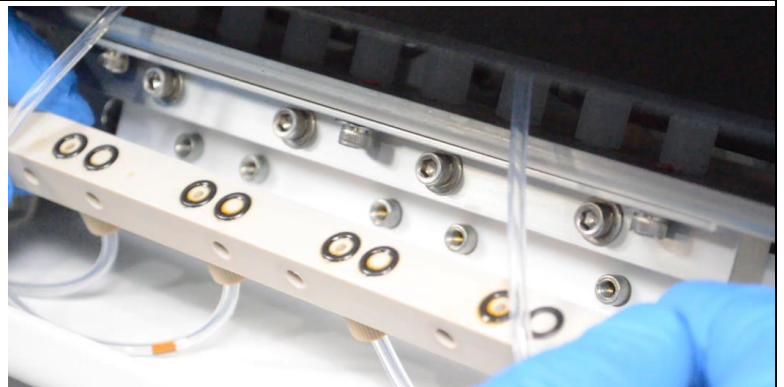
5. Using a 9/64" Hex Wrench, tighten the three vertical screws until the gap is closed between the metal plates.



6. Use the 3mm Tee Handle Hex Wrench to remove the six screws on the lower bar.



7. While wearing gloves, pull the lower bar forward and inspect the top surface for residue.



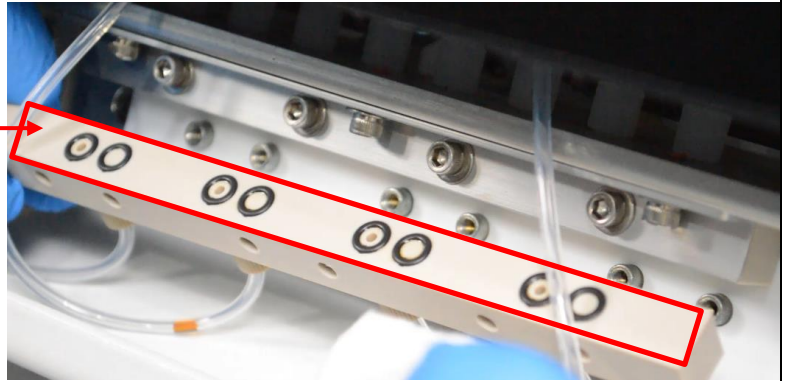
Rev A Bar



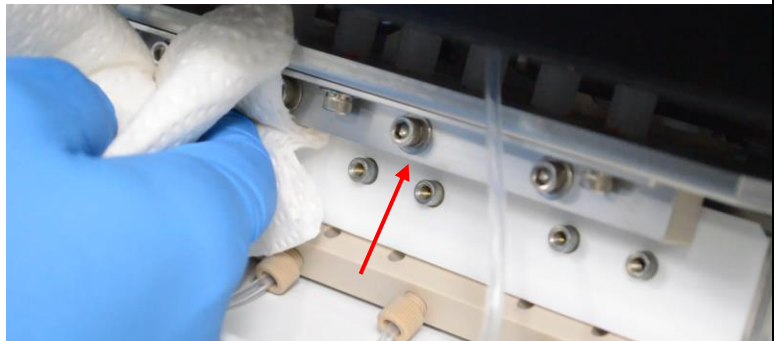
8. If residue is present, clean the bar using a paper towel dampened with distilled water. Wipe until clean. Do not use any sharp objects which may damage the seals.



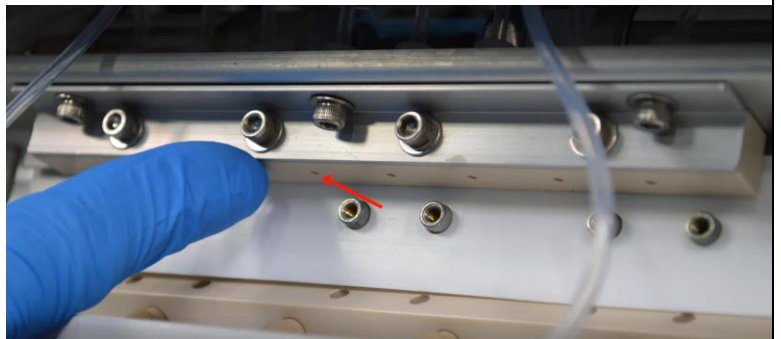
Make sure bar is completely clean.



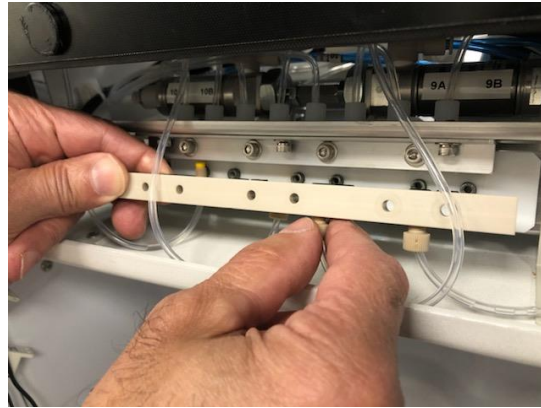
9. With a paper towel dampened with distilled water, wipe the underside of the top of the bar until clean. Do not use any sharp objects which may damage the sealing surface.



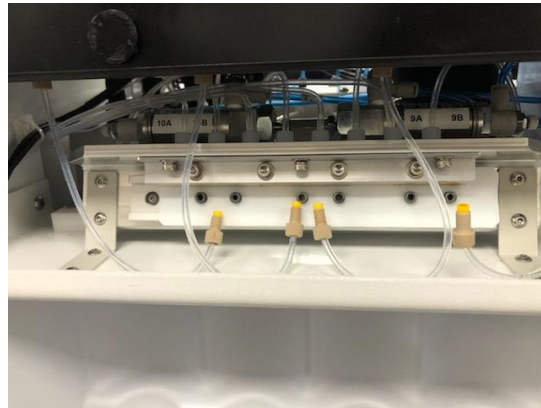
Ensure that the slide valve delivery holes are not blocked.



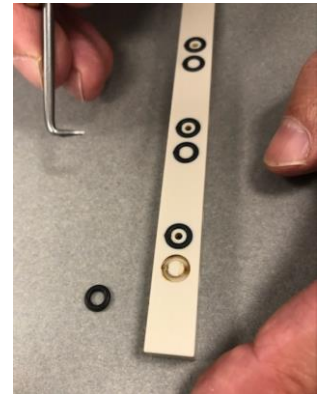
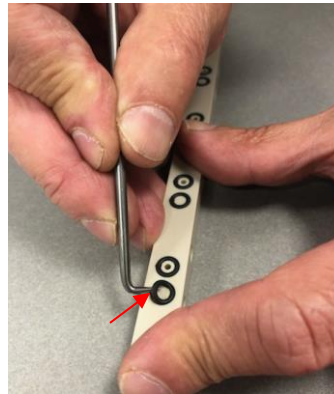
10. Unscrew the four tube fittings from the bottom of the bar (gloves are now optional).



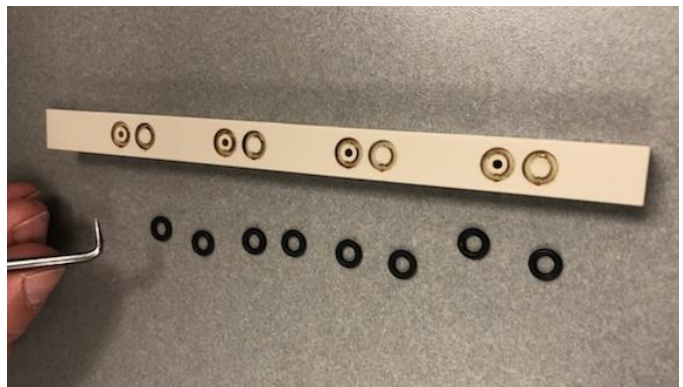
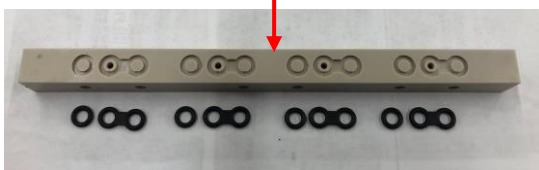
Remove the bar completely.



11. Locate the small entry hole on the o-ring groove. Place the 90 Degree Angled Pick at the edge of the hole, gently push the point into the rubber o-ring and lift it from the groove. Avoid damaging the groove with the Pick. Remove all (8) of the o-rings.



Rev A Bar and Seals Removed

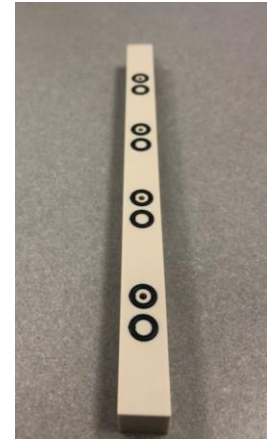
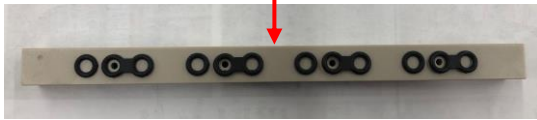


12. Clean the bar with water and dish soap. Make sure the o-ring grooves do not have any residue remaining.

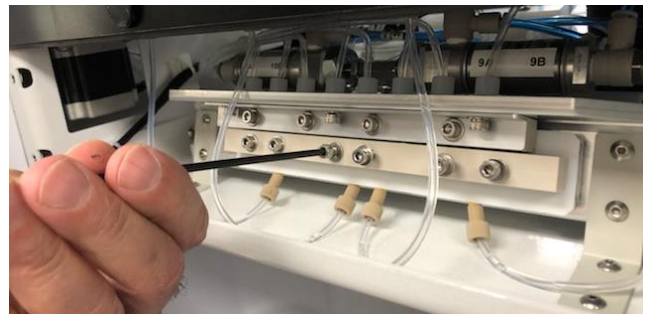
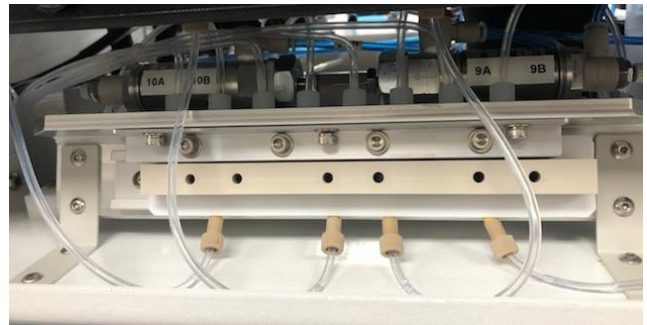


13. Dry the bar completely and then install new o-rings. Ensure that they are pushed all the way into the grooves.

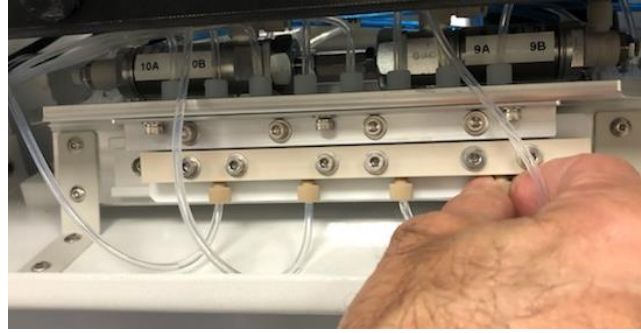
Rev A Bar and Seals Installed



14. Reinstall the lower bar and the six screws that were removed. Tighten the screws gradually to ensure the bar is installed flat against the carrier.

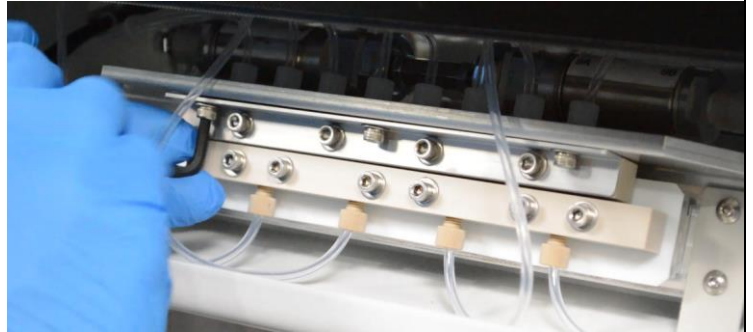


15. Screw the four tube fittings into the bottom of the bar. Ensure that they are all fully tight.

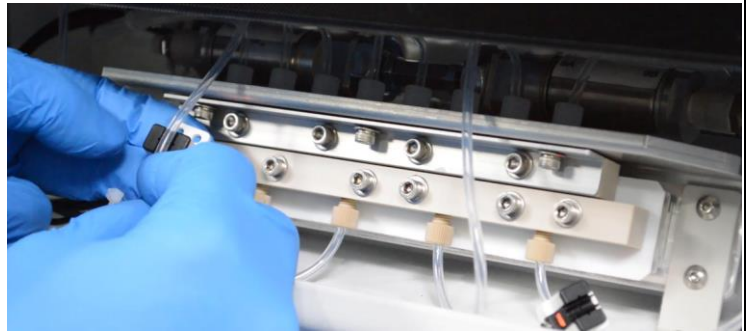


16. Loosen the three vertical screws until the gap reappears between the metal plates. The washer on the screw should be able to move freely once loosened.

Do not remove the screws.



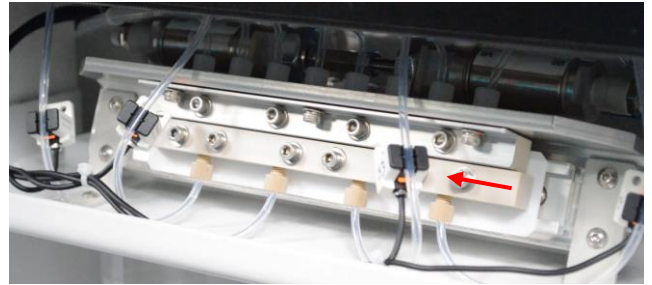
17. Reattach the four level sensors by carefully pushing them onto the tubes. Make sure they are installed in same order they were removed and at approximately the same height.



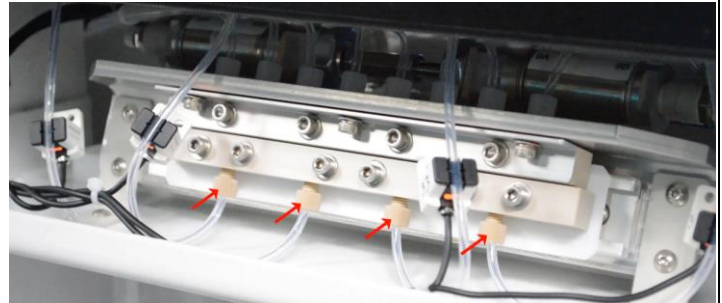
18. On the HMI, close the “Drain To Columns” toggle.



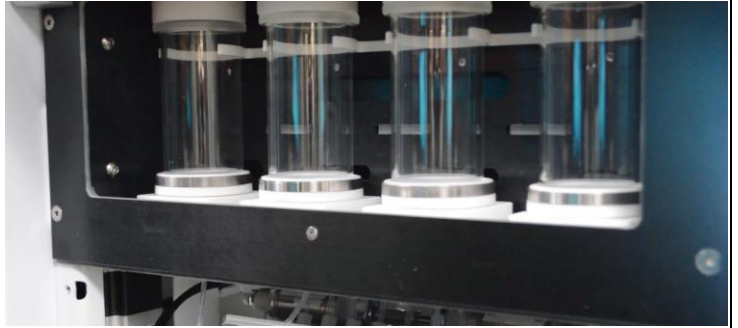
The lower bar will move left and become centered.



19. Make sure the four tube fittings are threaded tightly into the lower bar.



20. Run a pressure check to confirm that the vessels are holding pressure. If they pass, then replacement of the Slide Valve O-Rings is complete.



21. Reinstall the front access panel.

