

This procedure demonstrates the removal and replacement of the Nitrogen Flow Meter (Part #: FLEX46) in the ANKOM FLEX Analyte Extractor.

FLEX Part needed:

Nitrogen Flow Meter
(Part #: FLEX46)

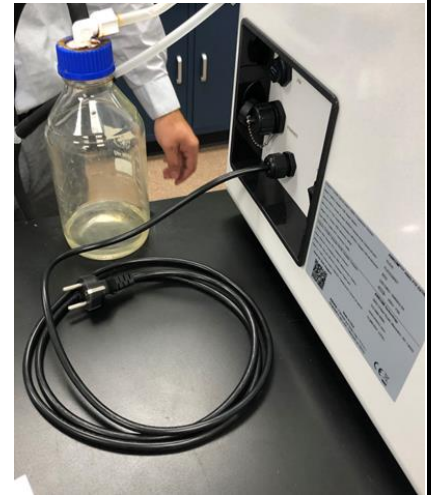


FLEX Tool Kit:

- 3mm Tee Handle Hex Wrench
- 1/8" Hex Driver
- 90 Degree Angled Pick
- 14mm Open End Wrench
- Hex Wrench Set



1. Turn the instrument off and unplug.

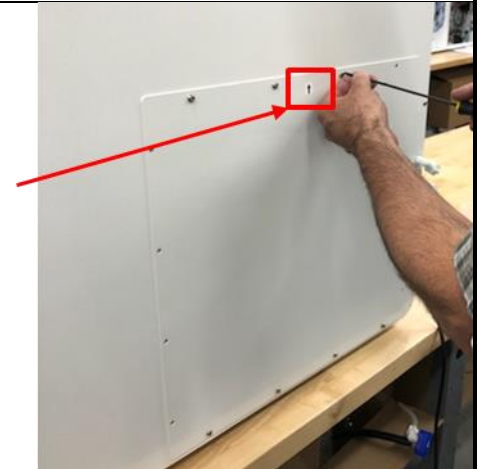


2. Disconnect the waste and vent lines.



- 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.



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



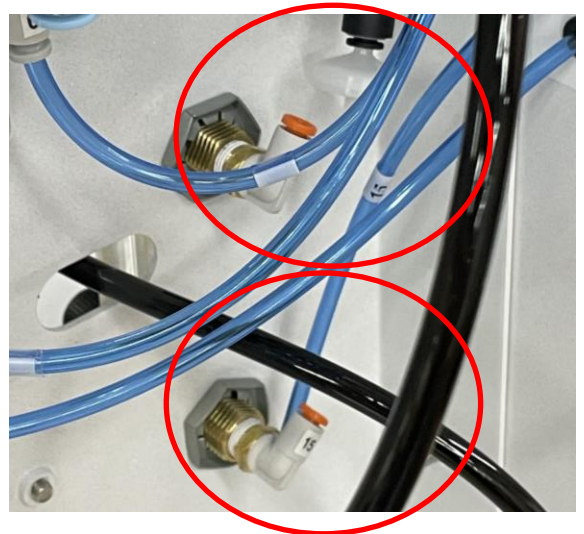
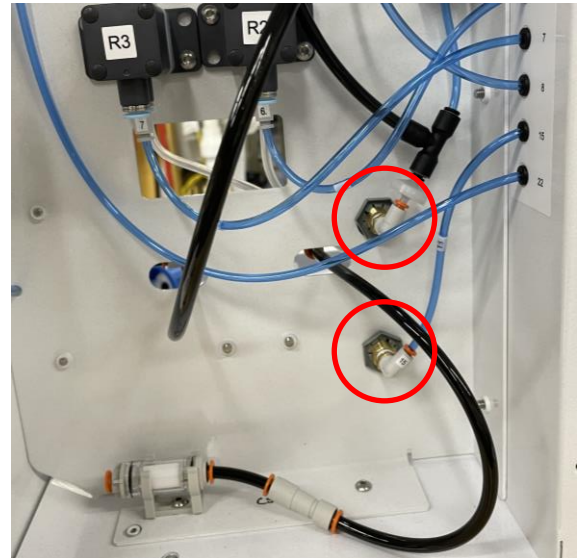
- Using the same 1/8" Hex Driver, remove the (20) rear panel screws from the back of the instrument.



- Slide the nitrogen fitting out of the slot in the rear panel and remove the panel from the instrument.

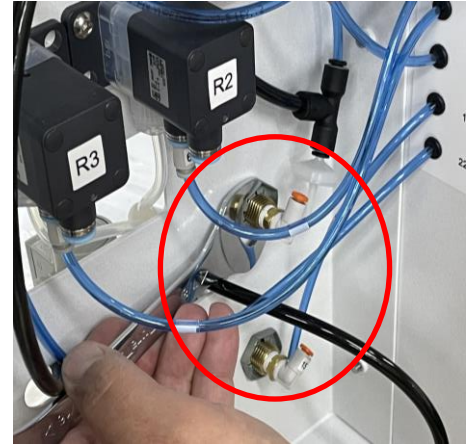


- In the back left panel of the instrument, remove the two nitrogen wires connected to the flow meter.

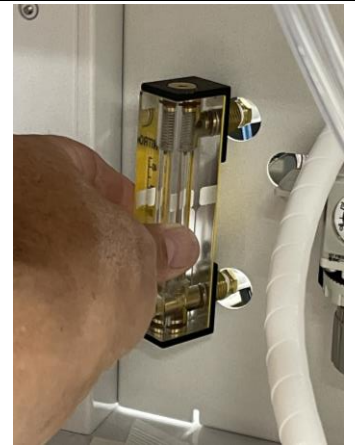


8. Using either a 7/8 wrench or an adjustable wrench, remove the nuts holding the flow meter in place.

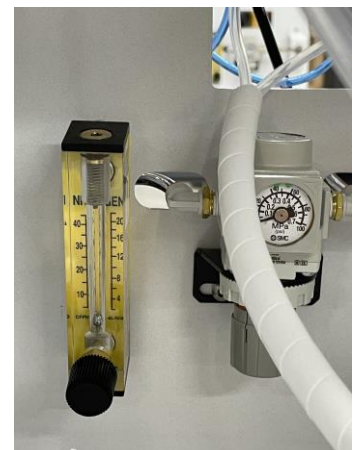
Set them aside for reinstallation.



9. Open the reservoir doors and remove the old nitrogen flow meter from the rear of the cabinet.



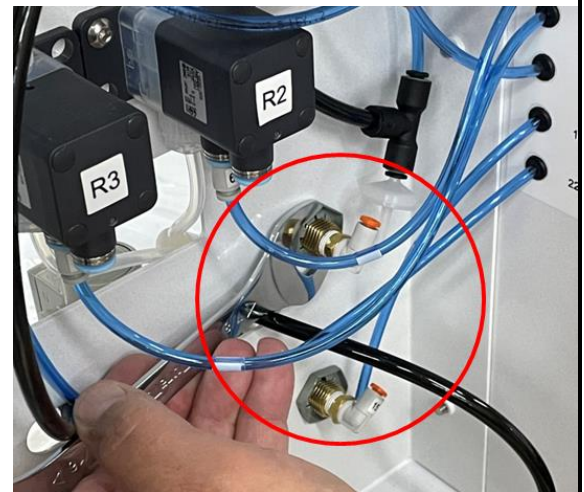
10. Install the new nitrogen flow meter.



11. Return to the back of the instrument and reposition the nuts on the flow meter valves. Hand-tighten until snug to secure in place. A wrench may be used if needed.

NOTE: As you tighten, check the front of the flow meter to ensure it is positioned straight.

Do not overtighten.



12. Reinsert the two nitrogen lines into the flow meter valves.



13. Replace the rear panel. Slide the nitrogen fitting back into its slot.



14. Using the 1/8" Hex Driver, reinstall the (20) rear panel screws on the back of the instrument.

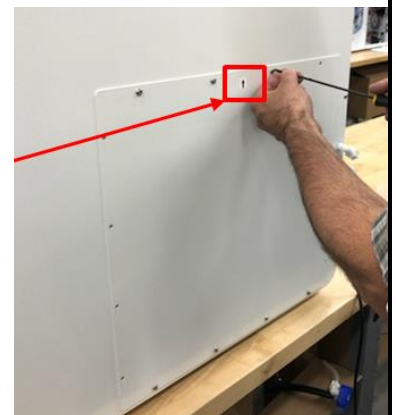


15. Use an adjustable wrench to tighten the hex nut on the rear panel nitrogen fitting.

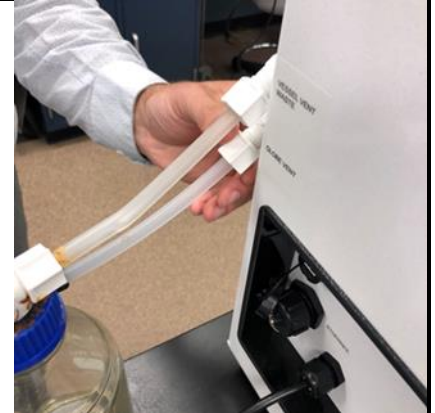


16. Install the back panel. Use a 1/8" Hex Driver to reinstall the (16) electrical panel screws.

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



17. Reconnect the waste and vent lines.



18. Plug the instrument in and power on.

19. The flow meter should only be adjusted during the initial instrument installation.

Follow **FLEX Service Procedure FLS004 "Adjusting Flow Meter Volume"** to adjust the flow meter before commencing regular use of the instrument.