Switching N₂ to He

1. On the Gas Switch Box, flip the N₂/HE switch to the center VALVES CLOSED position.
2. Using the soft key pad press the TEST key.
3. Using the keyboard; press F6 [TEST], F3 [SECURITY], and then F5 [DEGAS].
4. Set DEGASSING TM SET for 5:00.
5. Set N₂ gas to YES (2), and all other gases to NO (1).
6. Press F4 [REGISTER], and then press the green START soft key button.
7. The DEGASSING TM GET field will count up to 5:00, this evacuates the line and MFC of N₂.
8. Once the degas is finished, press F5 [RETURN] to get to the main menu.
9. Press F8 [MACH PARAM] and then F2 [FULL SCALE]. Verify that E-CH is displayed in the upper left corner of the screen. If it is not, press F1 until it is.
10. Change N₂ to HE and then scroll to the right and change the gas correction factor (C.F. column) to 1.45.
11. Press F4 [REGISTER] and then press F5 [RETURN] to get to the main menu.
12. On the Gas Switch Box flip the N2/HE switch to HE.
13. Press F6 [TEST], F2 [TEST], F1 [ETCH TEST], and then F2 [SELECTION].
14. Scroll to recipe # 117 CH F LNP.
15. Press F2 [SELECT] and F4 [REGISTER].
16. Press the green START soft key button, then F5 [RETURN], and F3 [MONITOR].
17. Once the recipe is finished, press F5 [RETURN] to get to the main menu and then press the AUTO soft key. You can now run your processes with He.

Switching He back to N₂

1. On the Gas Switch Box, flip the N2/HE switch to the center VALVES CLOSED position.
2. Using the soft key pad press the TEST key.
3. Using the keyboard; press F6 [TEST], F3 [SECURITY], and then F5 [DEGAS].
4. Set DEGASSING TM SET for 5:00.
5. Set He gas to YES (2), and all other gases to NO (1).
6. Press F4 [REGISTER], and then press the green START soft key button.
7. The DEGASSING TM GET field will count up to 5:00, this evacuates the line and MFC of He.
8. Once the degas is finished, press F5 [RETURN] to get to the main menu.
9. Press F8 [MACH PARAM] and then F2 [FULL SCALE]. Verify that E-CH is displayed in the upper left corner of the screen. If it is not, press F1 until it is.
10. Change He to N₂ and then scroll to the right and change the gas correction factor (C.F. column) to 1.00.
11. Press F4 [REGISTER] and then press F5 [RETURN] to get to the main menu.
12. On the Gas Switch Box flip the N2/HE switch to N₂.
13. Press F6 [TEST], F2 [TEST], F1 [ETCH TEST], and then F2 [SELECTION].
14. Scroll to recipe # 117 CH F LNP.
15. Press F2 [SELECT] and F4 [REGISTER].
16. Press the green START soft key button, then F5 [RETURN], and F3 [MONITOR].
17. Once the recipe is finished, press F5 [RETURN] to get to the main menu and then press the AUTO soft key. You can now run your processes with N₂.