

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 N₂/He**.
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 N₂/He**.
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.