

1. Confirm the instrument is plugged into a high pressure nitrogen source (>50psi).

To attach the black nitrogen tube to the instrument, refer to FLS002- Attaching and Detaching Nitrogen service procedure.



2. Confirm nitrogen levels

- a. On the HMI, select “DIAGNOSTICS,” then select “COMMAND CENTER.”
- b. Confirm the N₂ High Pressure falls within 50-51psi and the N₂ Low Pressure falls within 2.8 (± 0.2 psi).
- c. Proceed to appropriate section below to adjust.



Adjusting N₂ High Pressure Regulator (acceptable range 50-51psi)

To Increase:

1. Pull down the dial on the pressure regulator to unlock.
2. Rotate the dial counterclockwise (to the right) until the pressure increases within the desired range on the HMI touchscreen.
3. Push up to lock the dial in place.



To Decrease:

1. Pull down the dial on the pressure regulator to unlock.
2. Rotate the dial clockwise (to the left) until the pressure decreases within the desired range on the HMI touchscreen.
3. Push up to lock the dial in place.



Adjusting N₂ Low Pressure Regulator (acceptable range 2.8 (± 0.2 psi))

To Increase:

1. Rotate the lock disc counterclockwise (to the left) to unlock.

Lock Disc



2. Rotate the dial clockwise (to the right) until the pressure increases within the desired range on the HMI touchscreen.

Dial



3. In the "COMMAND CENTER," open the "Pump Waste."

4. Turn Vessel N₂ "On"

5. Wait ~2 seconds

6. Turn Vessel N₂ "Off"

7. Close the "Pump Waste"

8. Rotate the lock disc clockwise (to the right) to lock.

9. Confirm the N₂ Low Pressure is now within range.

If the N₂ low pressure is still below range, repeat the steps to increase.

If the N₂ Low Pressure is now above range, follow the directions to decrease.



To Decrease:

1. Rotate the lock disc counterclockwise (to the left) to unlock.

Lock



2. Rotate the dial one quarter turn counterclockwise (to the left).

NOTE: the user will not see a change in pressure on the HMI during this step.

Dial



3. In the "COMMAND CENTER," open the "Pump Waste."

4. Turn Vessel N₂ "On"

5. Wait ~2 seconds

6. Turn Vessel N₂ "Off"

7. Close the "Pump Waste"

8. Rotate the lock disc clockwise (to the right) to lock

9. Confirm that the low pressure is now within range.

If the N₂ low pressure is still above range, repeat the steps to decrease.

