When the In Service knob (PRV-703) points to the Left:

Cylinder #1 is the primary and Cylinder #2 is the backup. Cylinder #2 should be full (**PI-N CYL2** should read ~2500 psi). The chamber will draw down Cylinder #1, until Cylinder #1 pressure (**PI-N CYL1**) drops below ~300 psi. Chamber will then draw out of Cylinder #2.

When **PI-N CYL 2** begins to drop, Cylinder #1 is empty.

To swap out Cylinder #1:

1. Close **MV-701**
2. Close the valve on Cylinder #1
3. Wearing goggles and using the 1-1/8" wrench from the COUPP toolbox, slowly disconnect Cylinder #1. Allow the hose from Cylinder #1 to MV-701 to vent its remaining pressure then completely disconnect the cylinder
4. Replace the empty Cylinder #1 replace with a new gas cylinder
5. Connect new Cylinder #1 to hose from MV-701
6. Slowly open the valve on the new Cylinder #1. Check for leaks at the new connection using leak-checking fluid from the COUPP cabinet.
7. Open **MV-701**. Check gauge **PI-N CYL1** to verify that the new cylinder is full (should read ~2500 psi).
8. Turn the In Service knob (**PRV-703**) to the **right** (Cylinder #2 is now primary)
9. Update the status tags on both gas cylinders

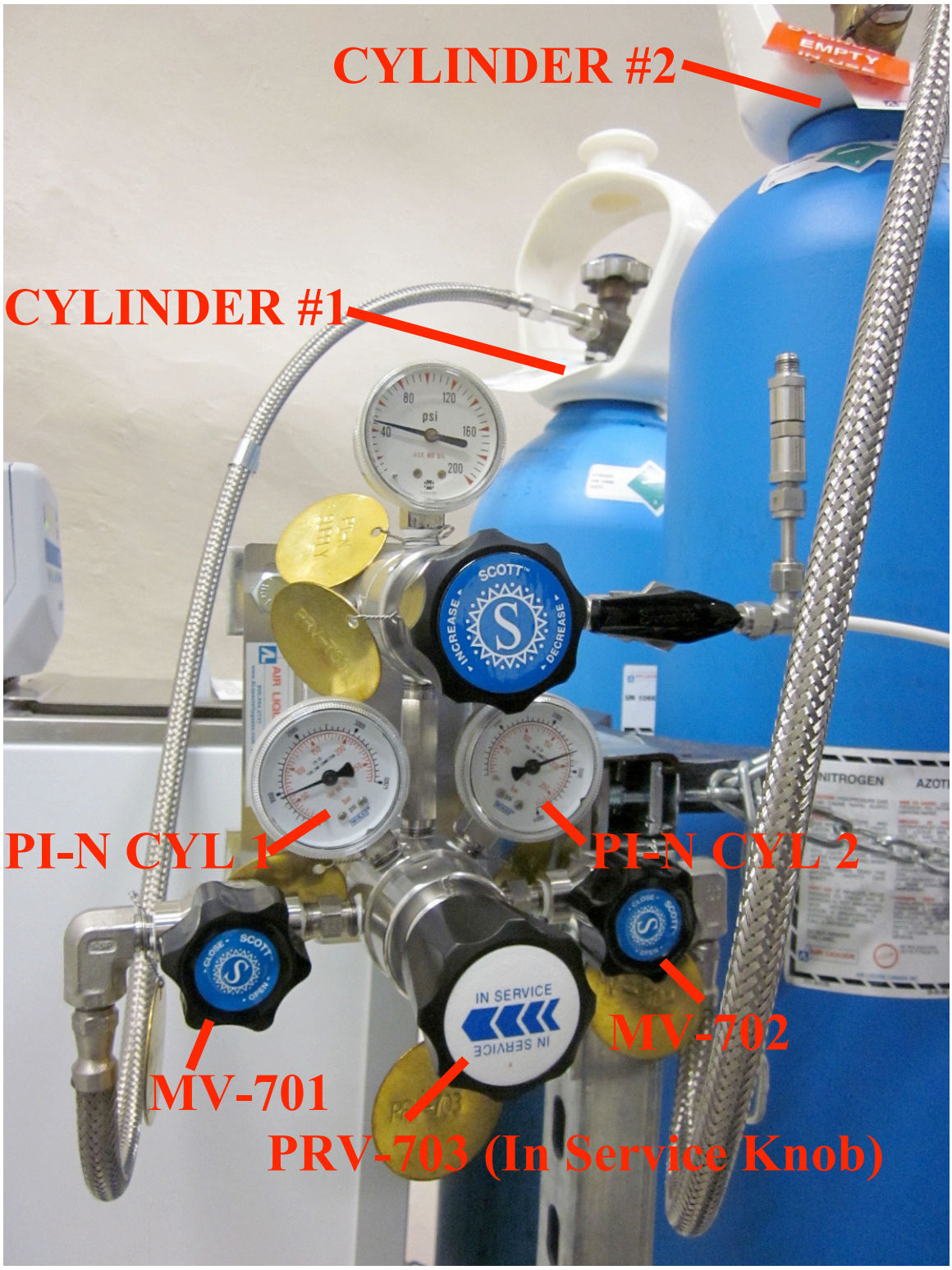
When the In Service knob (PRV-703) points to the Right:

Cylinder #2 is the primary and Cylinder #1 is the backup. Cylinder #1 should be full (**PI-N CYL1** should read ~2500 psi). The chamber will draw down Cylinder #2, until Cylinder #2 pressure (**PI-N CYL2**) drops below ~300 psi. Chamber will then draw out of Cylinder #1.

When **PI-N CYL 1** begins to drop, Cylinder #2 is empty.

To swap out Cylinder #2:

1. Close **MV-702**
2. Close the valve on Cylinder #2
3. Wearing goggles and using the 1-1/8" wrench from the COUPP toolbox, slowly disconnect Cylinder #2. Allow the hose from Cylinder #2 to MV-702 to vent its remaining pressure then completely disconnect the cylinder
4. Replace the empty Cylinder #2 replace with a new gas cylinder
5. Connect new Cylinder #2 to hose from MV-702
6. Slowly open the valve on the new Cylinder #2. Check for leaks at the new connection using leak-checking fluid from the COUPP cabinet.
7. Open **MV-702**. Check gauge **PI-N CYL2** to verify that the new cylinder is full (should read ~2500 psi).
8. Turn the In Service knob (**PRV-703**) to the **left** (Cylinder #1 is now primary)
9. Update the status tags on both gas cylinders



Gas Bottle Manifold: Cylinder pressures are read out on **PI-N CYL1** and **PI-N CYL2**