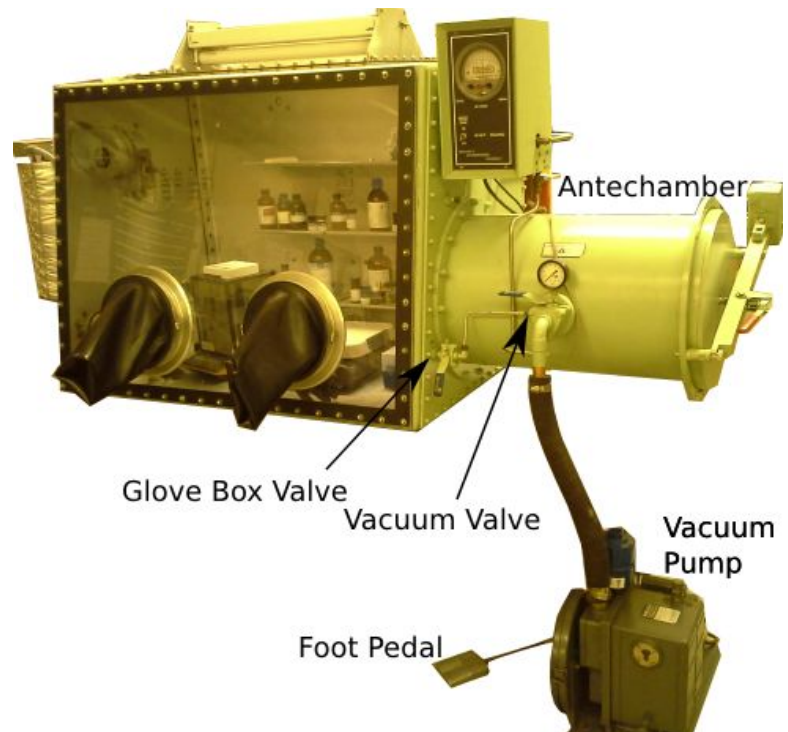


# Glove Box Operation Procedure

## *Get items into the glove box*

1. Turn on the vacuum pump
  - a. The switch behind the pump
2. Open the argon tank valves
  - a. One on the tank
  - b. One after the regulator
3. Open the door to the antechamber
4. Put your items into the antechamber
5. Close the outside door
6. Open the "Vacuum Valve"
7. Pump down to about 20 on the gauge
8. Close the "Vacuum Valve"
9. Open the "Glove Box Valve"
  - a. Let's argon into the antechamber
10. Supply Argon to the glove box
  - a. Push on the right side of the "Foot Pedal"
  - b. Keep the whole chamber under slight positive pressure
11. Open the inside door of the glove box
12. Arrange various items as you please inside the glove box
13. Close the "Glove Box Valve"



## *Leaving the glove box:*

1. Put everything you brought in, back into the antechamber
2. Shut the inside door of the glove box
3. Open the outside door of the glove box
4. Remove all your items
5. Close outside door of the glove box
6. Open the vacuum valve
7. Let the antechamber pump down to 25-30 vacuum units
  - a. This will form a good barrier between the glove box and the environment
8. Close the vacuum valve

## *General Glove Box Considerations:*

- Glove box should always be under slight positive pressure when not in use
  - This requires refilling regularly with the foot pedal
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