

# Power Outage Instructions

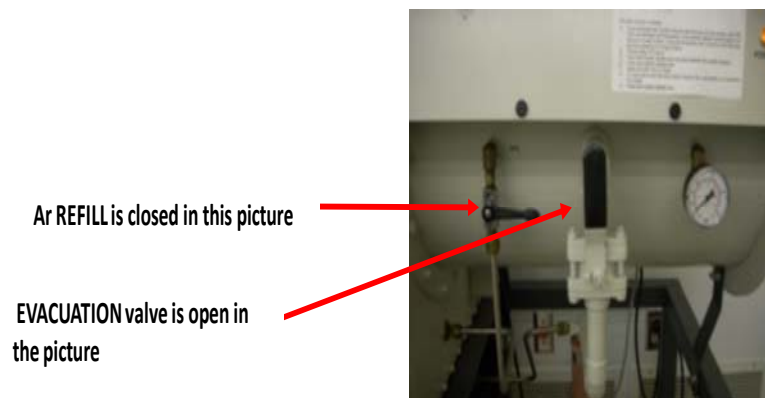
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## Shutting down Patrick - the grey glove box in ECSN 2.216

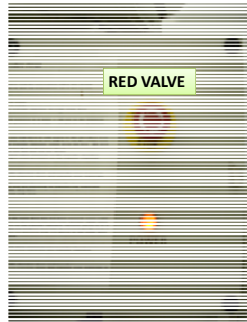
1. Ensure that the gloves are filled so that there is as much internal argon pressure as possible prior to closing down the glove box.
2. Set blower speed to 0% (use arrow down on the control panel)
3. Close the circulation valve (in the low part of the front of the glove box).



4. Verify that the argon REFILL and EVACUATION valves are all closed, and the internal pressure of the main chamber is between 1 and 2 on the gauge.



5. Press the stop red valve in the control panel to shut down everything.



6. Turn OFF the Argon gas in the chase by closing the valve on the regulator closest to the glove box.
7. Turn OFF the vacuum pump. If this is preparation for a planned power outage, unplug the pump from the wall outlet.
8. If this is preparation for a planned power outage, unplug all electrical connections from the wall outlets. Nothing should be plugged into the wall.

## **WHEN POWER COMES BACK**

1. Plug in all electrical connections.
2. Plug in and turn ON the vacuum pump in the chase.
3. Turn ON the Ar gas in the chase and set the pressure to read 20 psi on the regulator gauge.
4. Press the Red valve in the control panel ON
5. Open the circulation valve
6. Increase blower speed to ~60-70% for 10-12 hrs.
7. Check the moisture level. If okay (~ 30 ppm) reduce the blower speed to 40%.
8. Perform a light bulb test.