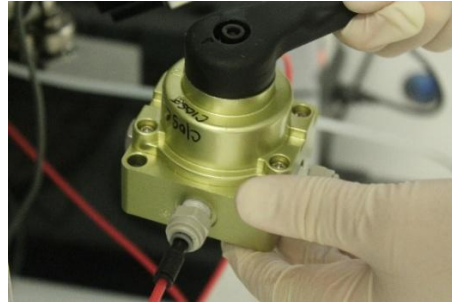


# E-BEAM EVAPORATOR: PUMP DOWN VENT PROCEDURE

1. Turn off the Ion Gauge.



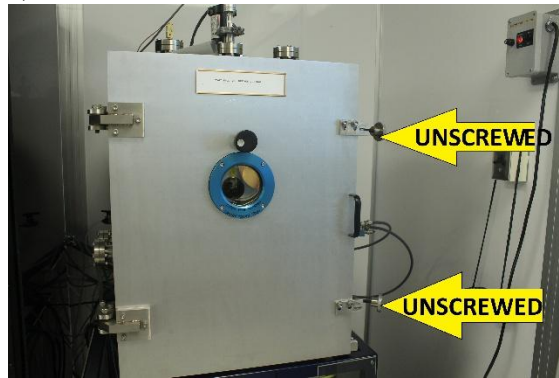
5) Turn HighVac handle back to the N position.



2) Turn off the water. Check the sensor life. (>57%). If < 57% inform Scott or Siva.



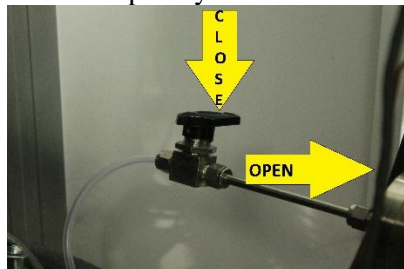
5) Unscrew chamber door locks.



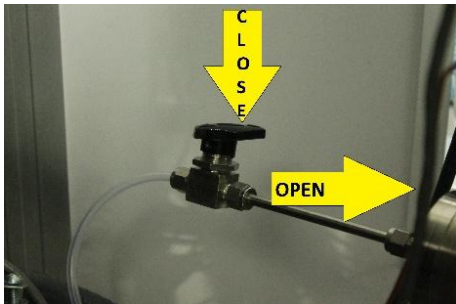
3) Turn handle for HighVac to CLOSE position (in chase). Wait for **30 seconds**.



6) Slowly bleed N2 through the vent value. Watch the temperature monitor for the Cryo pump. If temperature remains the same then open the vent valve completely.



7) When vented completely Close the vent.



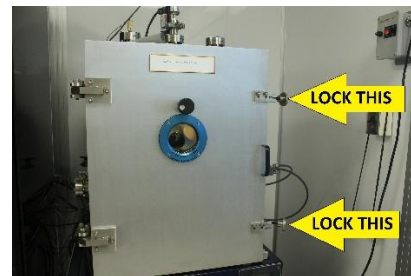
10) Close the door.



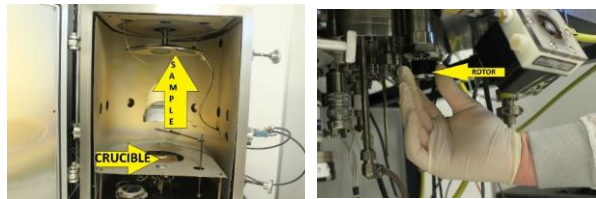
8) When it completely vented, open the door. Check the window liner for visibility.



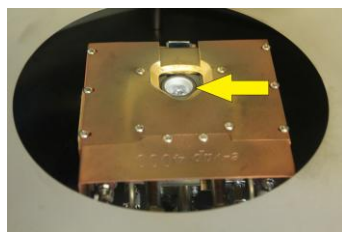
11) Screw gently chamber door locks.



9) Load samples and crucibles.

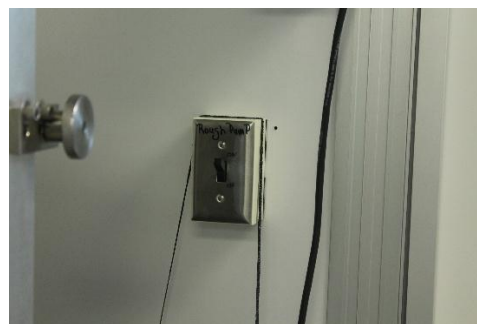


Use rotor to load multiple sources/crucibles.



Clean the sample holder.

12) Switch on the Rough Pump.



13) Open Manual Rough Valve.



16) Switch off the Rough Pump.



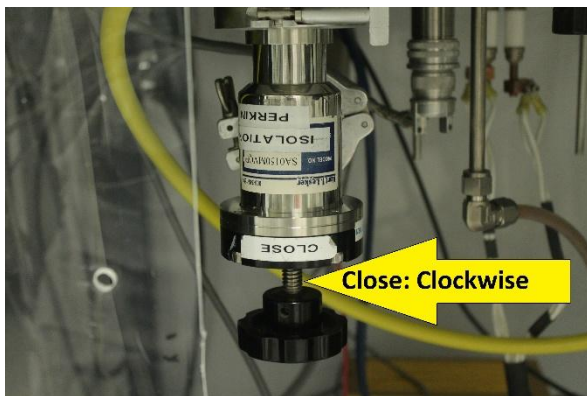
14) Pump to  $1.5 \times 10^{-1}$  torr (~two and half minutes).



17) Turn handle for HighVac to the Open position.



15) Close Manual Rough valve.



18) Turn back to N position.



Ion gauge should come on automatically

