

OPERATING PROCEDURE

CVC 601 Loading the Substrates

Rev. 12/5/2001

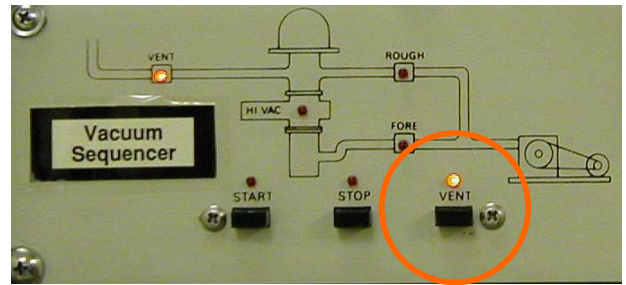
Pre-Run Check

1. Ensure that the following services are on: water, cryo pump, and mechanical pump.
2. Check the cryo pump monitor reads **< 20°K**.
3. Check the station water temperature gauges read **< 25°C**.
4. Turn on power to: interlock control panel, automatic valve control, ion gauge control, DC target select.
5. Ensure that the Gas Inlet Valve on the vacuum chamber is **CLOSED**.
6. Ensure that the water recirculator is **OFF**.



Vent

1. Ensure the **Automatic Valve Control** is in **AUTO**.
2. Press **VENT** on the left of the **Automatic Valve Control**.
3. After system reaches atmosphere, the green vacuum LED on the interlock control panel will extinguish.
4. Raise the chamber cover with the switch on the vacuum chamber.
5. Insert proper 3" or 6" target in the system if needed.
6. Load substrates.
7. Lower chamber cover.
8. Press **START** on the **Automatic Valve Control**.
9. Ensure that the **Throttle Valve** is **OPEN** (switch + round knob next to switch).
10. Once the pressure is **<.01** on the TC gauge, turn on the ion gauge by pressing and releasing the green **FILAMENT ON** switch on the **Ion Gauge Controller**.
11. Let the chamber reach a low base pressure (**< 2 x 10⁻⁶**).
12. **Record your time into the system in the logbook.**



SEE TARGET CHANGE PROCEDURES

