

FIR Laser Venting Procedure

To perform a complete venting of the THz laser gas system from the vacuum pump to the gas bottle the following procedure should be used.

- Ensure vacuum pump running.
- Close *Difluoromethane Bottle Valve*.
- “Decrease” *Gas Regulator* all the way (CCW).
- Slowly open the *THz Vacuum Valve* (green handle). *
- Slowly open the *External Gas Sources Valve*. *
- Turn off the vacuum pump.
- Allow the vacuum pump system to vent itself as per operators manual. Do not remove any vacuum lines until the turbo speed has reduced to 0RPM.
- The system can be safely brought up to atmosphere.
- To evacuate the system please follow *FIR Laser Pumpout Procedure*.

*** Open valves carefully and slowly monitoring convectron pressure gauge so as not to trip turbo pressure interlock.**