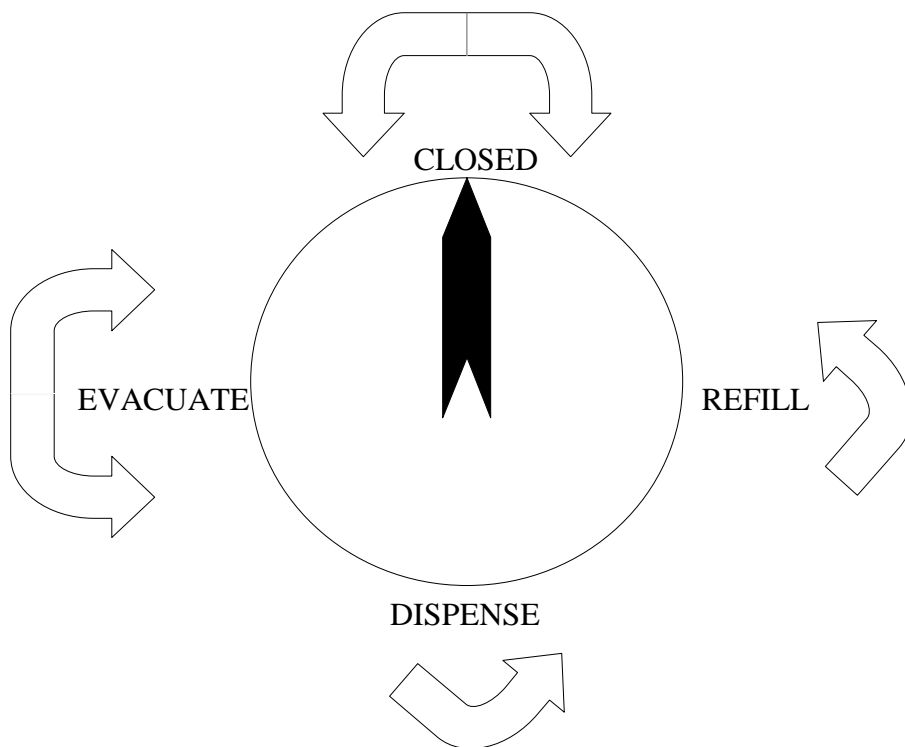


Solvent System SOP

1. Check that the vacuum pump is on
2. Turn knob clockwise to “REFILL.” Allow nitrogen to blow through the lines, removing any solvent that may be present. Turn knob counterclockwise to “CLOSED”
3. Put flask on
4. To begin the purging process, turn knob counterclockwise to “EVACUATE.” Leave on evacuate until the vacuum gauge (located at lower right hand corner) reads 15 inHg or 8 psi.
5. Turn clockwise to “CLOSED”
6. Turn clockwise to “REFILL” - wait until the nitrogen pressure restabilizes (nitrogen gauge is directly above the black knob). Restabilized pressure should be between 4 and 7 psi.
7. Turn counterclockwise to “CLOSED”
8. **Repeat steps 2-5 two more times.**
9. From “CLOSED” turn counterclockwise to “EVACUATE” - wait until the vacuum gauge reaches 15 inHg. Proper dispensing of the solvent depends on having an adequate vacuum in the RB. The vacuum drives the solvent from drying columns to your RBF.
10. Turn counterclockwise to “DISPENSE” and solvent will be dispensed - **Do not fill RBF over 1/2 of its capacity!** When the RB is close to being full, there is essentially no vacuum left in the RB so solvent will not further dispense. **NEVER TURN KNOB TO “VACUUM” WHILE SOLVENT IS IN THE RBF!!!** If you do – the pump will be damaged!
10. Turn counterclockwise to “REFILL” – while still on “REFILL” remove flask from the steel joint. Let nitrogen blow out of the solvent line for 20 seconds to remove any solvent still in the line. Then turn to “CLOSED.”
11. Write down how much solvent you took. The minimum amount of solvent you can take is 50mL. All sign-outs must be in multiples of 50mLs. Other amounts will be rounded up.



Please remember the following always!

- Flush solvent line with nitrogen before you begin
- Do not fill the flask more than half-way full with solvent
- Do not put flask back under vacuum if there is solvent already in the flask
- Flush out solvent line with nitrogen when you are finished