

Things to keep in mind before using the rotavapors

- 1) Every new student should go through proper training by the in charge of the instrument.
- 2) The condenser is best oriented vertically (right side in the picture). If the condenser is leaning forward, solvent will get into the spinning mechanism. The o-rings are solvent resistant, but this can shorten the lifetimes.



- 3) Make sure that water baths are at least half filled; otherwise add some water (USE DIONIZED WATER ONLY).
- 4) Make sure that there is enough dry ice (right side in the picture) in the cold finger when using the rotavapors.



- 5) When you are evaporating ACIDS, make sure you attach a BASE TRAP before the PUMP (for details you can discuss with me) or the pump will be destroyed.



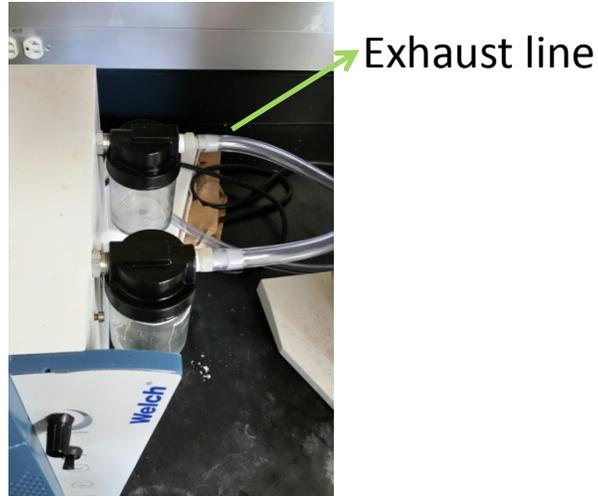
→ Condenser

→ Base trap

- 6) Slowly increase the vacuum until there is a steady drip coming off the condenser. A stream of condensing solvent will admit more solvent to the pump.
- 7) Once the solvent has been removed, vent the rotovap, turn the vacuum off, and turn off the heating of the water bath.
- 8) Remove the sample and empty the collection flask.
- 9) Please make sure, the rotovap is clean when you are finished.
- 10) In case of solvent spills in the water bath, please change the water, clean it with soap, and then let it dry, or at least inform Subrata or Quang. Do not be ashamed, accidents happen. Be responsible or the baths may corrode.
- 11) If you break any of the parts, please inform Subrata or Quang so that they can try to fix the problem.
- 12) Please make sure that you are in the lab or around when you are evaporating solvents.

13) If you have any questions, concerns, or problems, please see Subrata or the person in charge of the rotovaps in the group duty list.

14) Make sure the exhaust of the pump is connected to the hood.



15) For extra precaution, you can use the safety shield.



Please be a good citizen and take care when using the instruments. Thank you for your attention!!!!