

High Vacuum Pump

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What's this?

- You can get high vacuum with this apparatus (on 5th floor).
- This machine is suitable to distill compounds with high boiling points.

Caution !

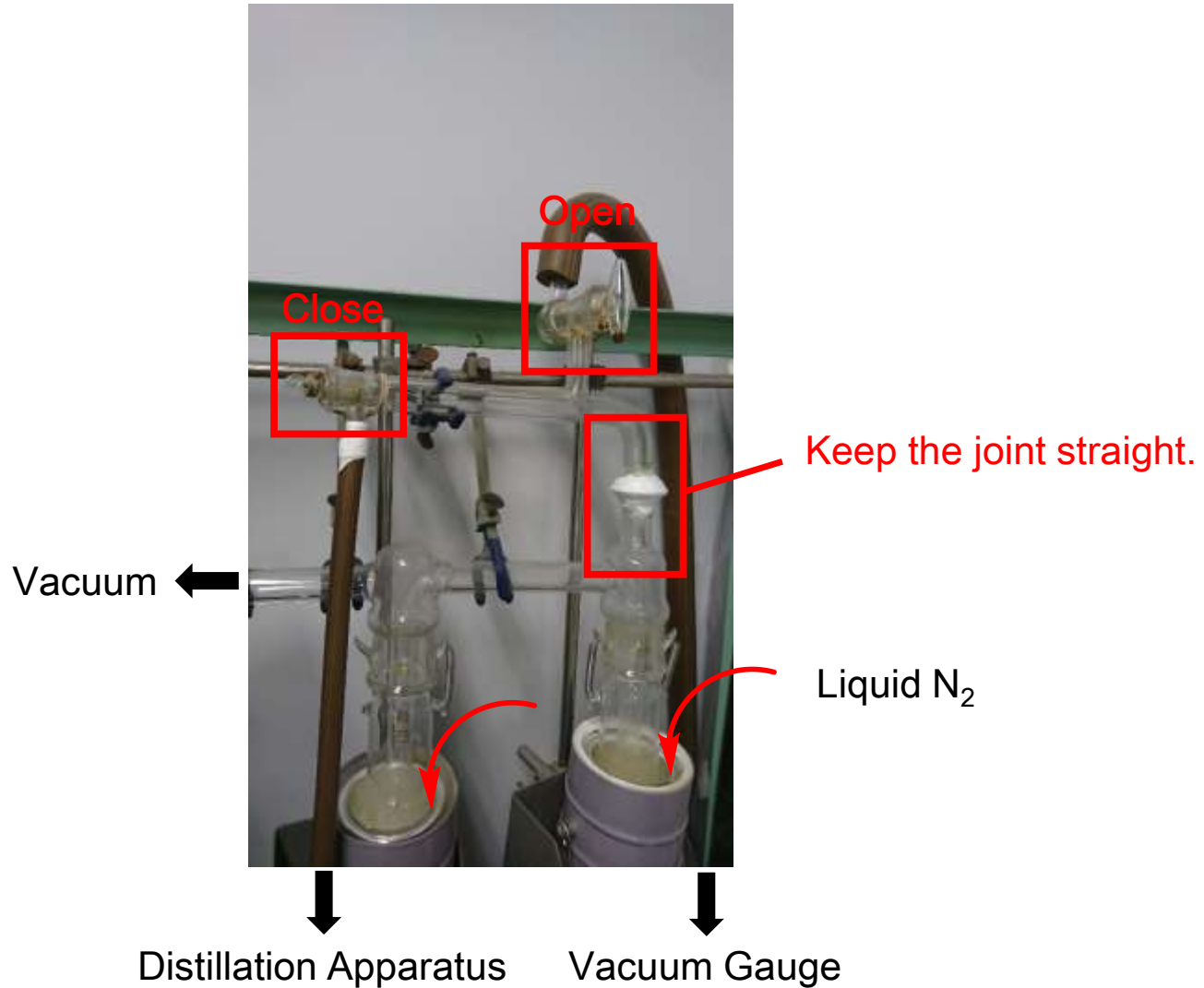
'High vacuum' is defined as $0.1 \sim 10^{-5}$ Pa , but the vacuum created with our machine is around 10 Pa (medium vacuum...), because it is old.

How to Use

1. Close the valve.



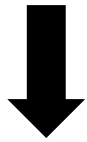
2. Set up apparatus.



3. Turn on the vacuum gauge.



Push



4. Turn on the weak pump.



Backside



Turn on

Wait for a while.

5. Turn on the main pump.



Push

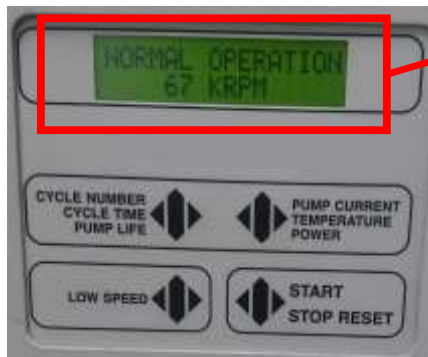
6. Wait about 45 min.



This pump often stops during the preparation of vacuum.



1st Push: Reset
2nd Push: Start again



You can use vacuum at this stage.

Under 10 Pa !!
O brave new world.



7. Enjoy distillation.

Connect to the distillation apparatus.



Distillation Apparatus

8. Stop the pump.

Disconnect distillation apparatus.



Don't let the air in.



Push

9. Open the valve.



Wash the traps as necessary.