What is missing from this setup?

HOSE CLAMPS!!

If you are using a reflux condenser, you MUST secure your hoses. You can use hose clamps, zip ties, copper wire, or anything that will ensure your hoses do not come off.

A low water flow rate is all that is needed for your condenser to work properly. You may consider using a flow indicator (pictured) to visually observe the flow.

Do you need water? With certain style condensers you can eliminate the need for water by slowly flowing air through the condenser.

Lastly, remember that the building water pressure typically increases at night. Keep this in mind the next time your run an overnight reaction.

Do your part to reduce lab floods

How old are your gas cylinders?

Inspection dates stamped on the top shoulder of your gas cylinder can give you an idea of how long that cylinder has been sitting in your lab. These dates tell you when the tank was last inspected and for how long the inspection remains valid. Use of a tank passed its expiration date is not recommended and the tank should be returned to the manufacturer.

This tank was last inspected on 01/2007, without a star the tank is good for 5 years, with the star this tank is good for 10 years. The date should tell you to stop using this tank and return it to the company by January 2017. Take time today to look at tanks in your lab, how many should be returned soon, how many should be returned today?!

Do you need lab stickers?

Is your laboratory fridge, freezer, or microwave missing the proper stickers? Contact EHS at dehsafety@udel.edu