

Waterless Condensers for Lab Use



In order to minimize the amount of water consumed during synthetic procedures, all labs have been equipped with air condensers.

In each lab, you will find Vigreux air condensers (shown here). These are often used for fractional distillation, but can also be fitted onto your reaction flasks in place of traditional water-cooled condensers to decrease your water consumption!

How to Use:

These condensers may be used the same as a traditional water-cooled condenser. However, there are a few things to be mindful of:

1. Be sure not to overheat reactions (especially for low boiling solvents), as this may result in solvent evaporation.
2. When using for the first time, monitor solvent level (especially for low-boiling solvents like DCM or diethyl ether) to ensure reaction does not dry out under your reaction conditions.