

General Storage:

- Large cylinders must always be secured except when moving!
 - Use the cylinder clamps for securing cylinders inside lab spaces
 - Tighten the belt to prevent tipping or moving during use
 - When returning cylinders, use the chains provided by the SCS facilities
- When not in use, the regulator should be removed, and the cap should be replaced
- Always store gas cylinders in well-ventilated areas and return them when they are empty (ask me for help!)



Transportation:

- Never transport gas containers before removing the regulator and replacing the cap!
- Always use the gas transportation carts when moving the cylinders (even short distances!) – we have a cart on the 2nd floor by the SPS
- Secure the cylinder to the cart with the attached chain to prevent tipping
- Once the cylinder is correctly placed and secured, remove the cap and install the regulator
- Empty cylinders can be returned to the loading dock (outside the Nitrogen room) with the cap in place



Usage:

- Always use a regulator for dispensing pressurized gases!
- When a gas cylinder is directly attached to a Schlenk line, be careful that the pressure is too high – it may damage the line!
- In all cases, the regulator must be completely emptied of gas before closing!
 - Close the main gas tank
 - Open the regulator and outlet to allow the excess gas to purge from the regulator – both gauges should read zero
 - Close regulator and then the outlet valve

[Regulator Instructions](#)
[Gas Cylinder Instructions - UIUC](#)

