



STALL STREET JOURNAL

College of Engineering Office of Safety

SAFETY STARTS WITH YOU If you have ideas for the Stall Street Journal, contact: coesafety@engr.wisc.edu

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Cylinder Management

Compressed gas cylinders are used in a wide variety of research and they are used on a daily basis throughout the College of Engineering. Gases stored in the cylinders can be inert, flammable, toxic, oxidizing, or mixtures of any types of these substances. These cylinders supply pressure of 800 to 6000 psi with 2,250 being the most common pressure. This month the SSJ is offering some cylinder management tips that can help keep you safe around cylinders in the laboratory & shops.

Cylinder Best Practices

- Never force a valve or fitting to connect
- Do not use oil or grease to make a valve connect to the cylinder
- Never empty a cylinder by off-gassing
- Do not tamper with, or try to repair, any safety device on the cylinder
- Do not move a gas cylinder unless:
 - It is capped
 - You use a secure cylinder dolly



Other Compressed Gas Cylinder tips to consider:

Always ensure that the cylinder is capped when not being used.

Label cylinders that are empty so they can be identified as empty.

Always secure cylinders upright at the mid-point or 3/4 up to prevent them from tipping.

Make sure that they are secured with a metal chain or flame-retardant straps to a wall.

Minimize the number of cylinders stored in a room when possible.

Never store cylinders in hallways or unprotected areas.