

Protocol for the Farquharson Building Gas Cylinder Distribution/Storage Cage

These storage cages are to be used for non-flammable, non-toxic compressed gas cylinders and Liquid Nitrogen Dewars ONLY. Cylinders containing flammable or toxic gases should be taken to Petrie building, Rm 023.

In accordance with WHMIS and TDG regulations, each cylinder must be clearly labeled with the name of the gas and its UN number. A tag showing the principle investigator's name and account number should be clearly visible.

"Full" cylinders (cage on the right) must be separated from "Empty" cylinders (cage on the left). Do not combine the two sections.

The procedures below must be followed in these cages:

1. Users of these gas cylinder cages must have received WHMIS II training *and* Gas Cylinder training.
2. Approved gas cylinder carts must be used to transport gas cylinders in and out of these gas cylinder cages. Cylinders must be chained to the cart for safe transport.
3. During transportation or storage, all cylinders must have a tightly secured protective cap in place.
4. All gas cylinders in these cages must be secured. Cylinders should be packed together and touching each other so that the chain can be pulled tightly and securely around the "nest" of cylinders. Ensure to tighten the chain around cylinders such that cylinders are not free standing. The gas cylinder cages must be closed and locked up upon leaving.
5. The cylinder account holder or delegate must contact the compressed gas distributor to advise that empty cylinders are ready to be picked up.
6. When adding a gas cylinder to the gas cylinder cage, verify that an updated MSDS is in the binder.
7. Gas cylinders should not be stored in front of the heat vent along the back wall (in the cage on the right).
8. If you have any questions or safety concerns, contact the Health & Safety Officer (HSO) at ext 20770. If it is an emergency situation, contact Security at ext 33333 or 416-736-5333.